



"Empowerment through quality technical education"
Dr D Y Patil Educational Enterprises Charitable Trust's

AJEENKYA

DY PATIL SCHOOL OF ENGINEERING

(Formerly known as DY Patil School of Engineering)

AICTE ID - 1-3847411

AISHE Code: C-46648

DTE Code: EN6732

SPPU PUN Code: CEGP015720

(Approved by AICTE, Recognized by Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University)

(Accredited by NAAC, NABL & ISO 9001:2015 & 21001:2018 Certified Institute)

Criteria 2

2.6 : Student Performance and Learning Outcome

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website.

2.6.2 Attainment of POs and COs are evaluated

Sr.No.	Parameters	Academic Year				
1	CO PO Mapping sheets UG & PG	2022-23	2021-22	2020-21	2019-20	2018-19
2	CO PO Attainment Sheet UG & PG					
3	Summary sheet of CO PO Attainment					



Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



"Empowerment through quality technical education"
Dr D Y Patil Educational Enterprises Charitable Trust's

AJEENKYA

DY PATIL SCHOOL OF ENGINEERING

(Formerly known as DY Patil School of Engineering)

(Approved by AICTE, Recognized by Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University)

(Accredited by NAAC, NABL & ISO 9001:2015 & 21001:2018 Certified Institute)

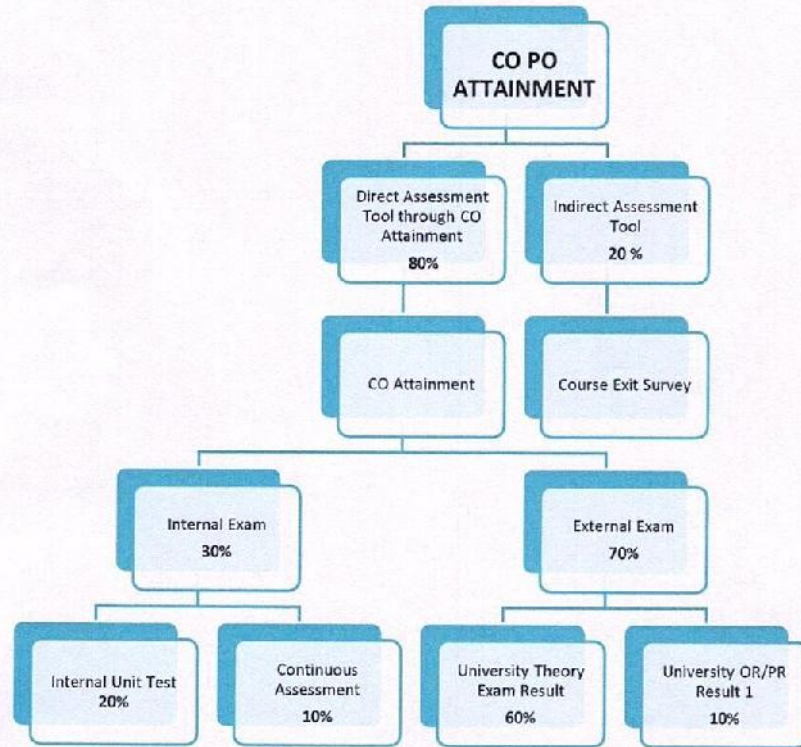
AICTE ID - 1-3847411

AISHE Code: C-46648

DTE Code: EN6732

SPPU PUN Code: CEGP015720

INTERNAL ASSESSMENT PROCESS AND MECHANISM



[Handwritten Signature]

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Academic Year : 2022-2023



AJEENKYA
DY Patil School of Engineering

Empowerment Through Quality Technical Education
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune - 412 105
Website: <https://dypsoe.in/>
Department of Engineering Sciences

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2022-23

Semester: I

Subject: Programming & Problem Solving (110005)

Div: F

Name of Subject Teacher: Prof. Ashlesha C. Adsul

Class: FE

CO No.	BT level	Students will be able to
CO-1	3-Apply 4-Analyze	Inculcate and apply various skills in problem solving.
CO-2	3-Apply 4-Analyze 5-Evaluate	Choose most appropriate programming constructs and features to solve the problems in diversified domains.
CO-3	3-Apply 6-Create	Exhibit the programming skills for the problems those require the writing of well documented programs including use of the logical constructs of language, Python.
CO-4	3-Apply 4-Analyze 6-Create	Demonstrate significant experience with the Python program development environment.
CO-5	2-Understand	To learn features of Object Oriented Programming using Python.
CO-6	1-Remember 2-Understand	To Acquaint with the use and benefits of file handling in Python.

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

(Signature)

Prof. Ashlesha C. Adsul
Subject Teacher



(Signature)

Prof. Dr. S. M. Khairnar
Head, Engg. Sci. Dept.

(Signature)
Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

(Signature)





AJEENKYA

DY Patil School of Engineering

Empowerment Through Quality Technical Education
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune - 412 105
Website: <https://dypsoe.in/>

Department of Engineering Sciences

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Subject: Programming & Problem Solving (110005)

Semester: I

Name of Subject Teacher: Prof. Ashlesha C. Adsul

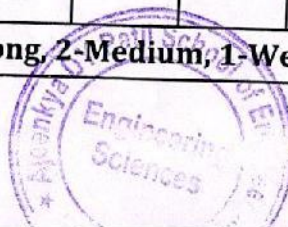
Div: F

Class: FE

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	3-Apply 4-Analyze	3	3			2					1					
CO-2	3-Apply 4-Analyze 5-Evaluate	3	3	3		2										
CO-3	3-Apply 6-Create	3	3	3		2										
CO-4	3-Apply 4-Analyze 6-Create	3				2										
CO-5	2-Understand	3		2												
CO-6	1-Remember 2-Understand	3		1		2										
Average		3.00	3.00	2.25	-	2.00	-	-	-	-	1.00	-	-	-	-	-
Rounded off		3	3	3		2					1					

(Strength of Correlation: 3-Strong, 2-Medium, 1-Weak, Keep Blank if No Correlation)

Prof. Ashlesha C. Adsul
Subject Teacher




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Prof. Dr. S. M. Khairnar
Head, Engg. Sci. Dept.

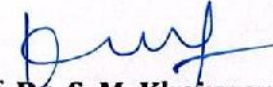
Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	3	Strongly have the knowledge to apply the different skills for solving the problems.
	PO2	3	Strongly student will know how to analyze the problems.
	PO5	2	Moderately the student will know how to use modern tools to solve the problems.
	PO10	1	Slightly the students should know communication in effective way .
CO-2	PO1	3	Strongly have the knowledge to select appropriate statements.
	PO2	3	Strongly the students should analyze about the use of statements.
	PO3	3	Strongly the students should know how to design program using appropriate statements
	PO5	2	Moderately the student will become aware of using appropriate statements in modern tools.
CO-3	PO1	3	Strongly will know the knowledge of Functions.
	PO2	3	Strongly will know how to use an appropriate functions.
	PO3	3	Strongly the students will know how to use function to develop a program
	PO5	2	Moderately will become aware of using appropriate functions in modern tools.
CO-4	PO1	3	Strongly knowledge about the strings .
	PO5	2	Moderately the student will become aware of using string operators in modern tools.
CO-5	PO1	3	Strongly have the knowledge of OOPs.
	PO3	2	Moderately the students should know how to apply OOPs concepts for developing a program.
CO-6	PO1	3	Strongly have the knowledge and syntax for file handling.
	PO3	1	Slightly the students should apply different commands for file handling.
	PO5	2	Moderately make use of modern tools.


Prof. Ashlesha C. Adsul
 Subject Teacher




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune


Prof. Dr. S. M. Khairnar
 Head, Engg. Sci. Dept.



Empowerment Through Quality Technical Education
Ajeenkya D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charkholi (Bk), Lohgaon, Pune - 412 105
 Website: <https://dypsoe.in/>
Department of Engineering Sciences

CO-PQ-PSO Attainment

Form No. IQAC/36

Academic Year: 2022-23

Subject: Programming & Problem Solving (110005)

Name of Subject Teacher: Prof. Ashlesha C. Adsul

Semester: I

Class: FE

Div: F

Subject: Programming & Problem Solving (110005)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Name of Subject Teacher: Prof. Ashlesha C. Adsl																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CD No.	Statement of COs	Blooms Taxonomy	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams						Direct Assess				Indirect Assessment (IDA)	CO Attainment	Med/Notattaine																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

Prof. Ashlesha C. Adsul
Subject Teacher

Prof. Dr. S. M. Khairnar
Head, Engg. Sci. Dept.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



AJEENKYA
DY Patil School of Engineering

Empowerment Through Quality Technical Education

Ajeenkya DY Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Mechanical Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2022-23

Subject:Heating Ventillation and air conditioning

Class:BE

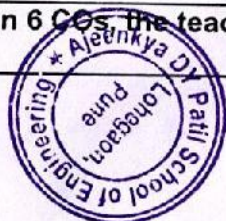
Semester:VII

Div:I

Name of Subject Teacher: Prof.Thombare R S

CO No.	BT level	Students will be able to
CO-1	5-Determine	ANALYSE different air-craft refrigeration systems and EXPLAIN the properties, applications and environmental issues of different refrigerants.
CO-2	4-Analyze	ANALYSE multi pressure refrigeration system used for refrigeration applications.
CO-3	3 -Apply	DISCUSS types of compressors, condensers, evaporators and expansion valves along with regulatory and safety controls and DESCRIBE Transcritical and ejector refrigeration systems.
CO-4	5-Determine	ESTIMATE cooling load for air conditioning systems used with concern of design conditions and indoor quality of air.
CO-5	5-Estimate	DESIGN air distribution system along with consideration of ventilation and infiltration.
CO-6	2-Describe	EXPLAIN the working of types of desiccants, evaporative, thermal storage, radiant cooling, clean room and heat pump systems.

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



[Signature]
Prof. Thombare R.S.

[Signature]
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune
HOD
mechanical Engg

Academic Year: 2022-23

Semester: I

Subject: Heating Ventillation and air conditioning

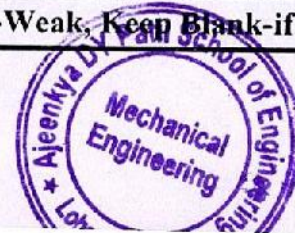
Class: BE

Div: I

Name of Subject Teacher: Prof.Thombare R S

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	5-Determine	3	2	1	1	-	1	-	-	-	-	-	2	1		
CO-2	4-Analyze	3	2	1	1								2	1		
CO-3	4-Analyze	3	2	1	1								2	1		
CO-4	5-Determine	3	2	1	1								2	2		
CO-5	5-Estimate	3	2	2			2						2	1		
CO-6	2-Describe	3	2	2	2		1						2	1		
Average		3.00	2.00	1.33	1.33	-	1.33	-	-	-	-	-	2.00	1.17	-	-
Rounded off		3	2	1	1		2						2	2		

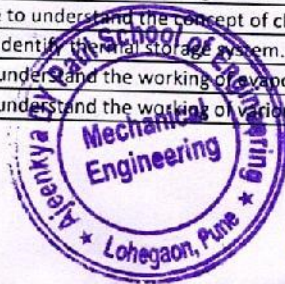
(Strength of Correlation: 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation)



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	3	Student will able to understad various types of refrigerent.
	PO2	2	Student will able to identify and analyze application of refrigerent.
	PO3	2	Student will able to understad the enviornmental issues related to the refrigerent.
	PO9	1	Student must be able to compare the refrigerent.
	PO12	1	Student use knowledge of air refrigeration system.
CO-2	PO1	3	Students will acquire fundamentals of multi compression and multi evaporator system..
	PO2	2	Using fundamentals ofrefrigeration student must understand the application of mult evaporator and multi compression system.
	PO3	1	Knowledge of single satage compression.
	PO4	1	Knowledge of multi evaporator and .multi compression system.
	PO6	2	Student must be able to compare the the systems.
	PO12	1	Student use knowledge of refrigeration through their career.
CO-3	PO1	3	Student will be able to design of compressor,condenser , evaporator and expansion valve .
	PO2	2	Student will able to discuss the compressor,condenser , evaporator and expansion valve.
	PO3	1	Student will able to undestand the ejector refrigeration cycle.
	PO4	1	Student will able to investigate application of transcritical cycle.
	PO12	2	Student will able to use knowledge saftey control.
	PSO1	1	Knowledge of fundamentals of transcritical cycle.
CO-4	PO1	3	Student will able to design air conditionig system.
	PO2	2	Student will able to identify design conditions required.
	PO3	1	Student will able to find out solution for vibrating system.
	PO4	1	student must able to calculate the cooling load.
	PSO1	2	Student will be able to Measure indoor air quality.
CO-5	PO1	3	Student will able to design air distribution system.
	PO2	2	Knowledge of fundamentals of air distribution will be useful throughout the career.
	PSO2	1	Student will able to calculate the equipments capacity requirements.
	PO6	2	Student will able to undestand the design coditions.
	PO12	1	students will understood the requirement of infiltration.
	PSO1	1	students will understood the requirement of ventilation.
CO-6	PO1	3	Student will be able to understand the advacements in air conditioning system.
	PO2	2	Student will able to understand the working of heat pump.
	PO3	2	Student will able to understand the working of radiative cooling system.
	PO4	2	students will be able to underst and the concept of clean room.
	PO6	2	Student will able to identify thermal storage system.
	PO12	2	Student will able to under stand the working of evaporative system.
	PSO1	1	Student will able to understand the working of various dessicants.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune
Mechanical Engg.

Prof. Thombare R.S.

Academic Year: 2022-23

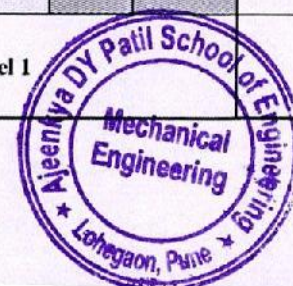
Subject: Heating Ventillation and air conditioning

Name of Subject Teacher: Prof.Thombare R S

CO No.	Statement of COs	Blooms Taxonomy	Direct Assesment (Internal) (30%)						Direct Assesment (External) (70%) University Exams				Direct Assessment (DA)	Indirect Assessment (IDA)		CO Attainment	
			Unit Test (20%)					CA (10%)		Subject Result (60%)		PR/OR/TW (10%)					
			Summative Test	UT1	UT 2	UT 3	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW	Mapping	Mapping of (20% Internal tests+10% Continuous Assessment +60% Univ result(TH)+ 10% Univ oral result	Course Exit Survey	Mapping	Weightage (80% DA+ 20% IDA)
CO-1	ANALYSE different air-craft refrigeration systems and EXPLAIN the properties, applications and environmental issues of different refrigerants.	5-Determine	95.16				3.0	80.69	3	63.00	3.0	100.00	3.0	3.00	84.95	3.0	3.00
CO-2	ANALYSE multi pressure refrigeration system used for refrigeration applications.	4-Analyze		96.61			3.0	80.69	3	63.00	3.0	100.00	3.0	3.0	88.17	3.0	3.00
CO-3	DISCUSS types of compressors, condensers, evaporators and expansion valves along with regulatory and safety controls and DESCRIBE Transcritical and ejector refrigeration systems.	3 -Apply			89.83		3.0	80.69	3	63.00	3.0	100.00	3.0	3.0	94.09	3.0	3.00
CO-4	ESTIMATE cooling load for air conditioning systems used with concern of design conditions and indoor quality of air.	5-Determine			88.14		3.0	80.69	3	63.00	3.0	100.00	3.0	3.0	90.32	3.0	3.00
CO-5	DESIGN air distribution system along with consideration of ventilation and infiltration.	5-Estimate				83.87	3.0	80.69	3	63.00	3.0	100.00	3.0	3.0	89.25	3.0	3.00
CO-6	EXPLAIN the working of types of desiccants, evaporative, thermal storage, radiant cooling, clean room and heat pump systems.	2-Describe				98.31	3.0	80.69	3	63.00	3.0	100.00	3.0	3.0	93.54	3.0	3.00
Mapping Criterias →			Marks >=60: Level 3 Marks >=50: Level 2 Marks >=40: Level 1														


Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



CO-PO-PSO Attainment

Form No. IQAC/36

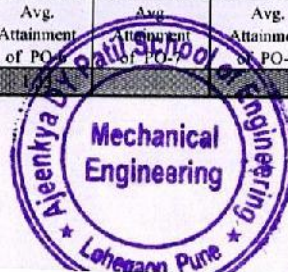
Semester: I

Class: BE

Div: I

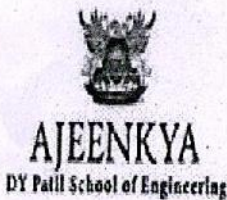
Assessment A)		CO Attainment		Class: BE																												Div: I	
Mapping	Weightage (80% DA+ 20% IDA)	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment		
3.0	3.00	3	3	2	2	1	1	1	1			1	1											2	2	1	1						
3.0	3.00	3	3	2	2	1	1	1	1															2	2	1	1						
3.0	3.00	3	3	2	2	1	1	1	1															2	2	1	1						
3.0	3.00	3	3	2	2	1	1	1	1															2	2	2	2						
3.0	3.00	3	3	2	2	2	2					2	2											2	2	1	1						
3.0	3.00	3	3	2	2	2	2	2	2			1	1											2	2	1	1						
		Avg. Attainment of PO-1		Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3			
		3.00		2.00		1.33		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		2.00		1.17		1.00		1.00			

Prof. Thorabai R. S.



Principal
Ajeenkya DY Patil School of Engineering
Lohargaon, Pune

HOD
Mechanical Engg



"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of Mechanical Engineering

Course Outcomes (COs):

Form No. IQAC/39

Academic Year.: 2022-23

Subject: Numerical & Statistical Methods

Class: TE

Semester: I

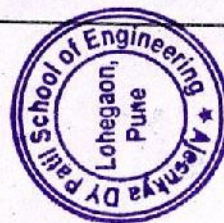
Div: D

Name of Subject Teacher: Prof. Prashant Karajagi

CO No.	BT level	Students will be able to
CO-1	3-Apply	SOLVE system of equations using direct and iterative numerical methods.
CO-2	3-Apply	ESTIMATE solutions for differential equations using numerical techniques.
CO-3	6-Create	DEVELOP solution for engineering applications with numerical integration.
CO-4	6-Create	DESIGN and CREATE a model using a curve fitting and regression analysis.
CO-5	3-Apply	APPLY statistical Technique for quantitative data analysis.
CO-6	3-Apply	DEMONSTRATE the data, using the concepts of probability and linear algebra.

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Prashant Karajagi



Prof. R. N. Garad
HOD

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



AJEENKYA

DY Patil School of Engineering

"Empowerment through quality technical education"

AJEENKYA DY PATIL SCHOOL OF ENGINEERING

Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.

Department of Mechanical Engineering

CO-PO-PSO Mapping

Form No. IQAC/39

Academic Year: 2022-23

Subject: Numerical & Statistical Methods

Name of Subject Teacher: Prof. Prashant Karajagi

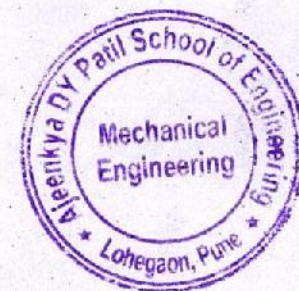
Semester: I

Class: TE

Div: D

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	3-Apply	3	3	2		2								2		
CO-2	3-Apply	3	3	2		2									2	
CO-3	6-Create	3	3	2		2									1	
CO-4	6-Create	3	3	2		2								2		
CO-5	3-Apply	3	3	2		2									2	
CO-6	3-Apply	3	3	2		2									2	
Average		3.00	3.00	2.00	-	2.00	-	-	-	-	-	-	-	2.00	1.75	-
Round d off		3	3	2		2								2	2	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

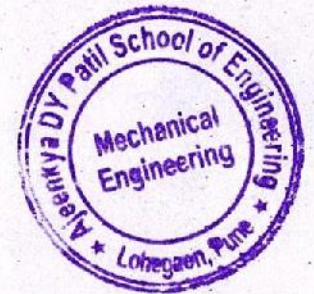


Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	3	Strongly students having the Knowledge of the system of equations.
	PO2	3	Strongly students can identify, formulate and solve the engineering problems.
	PO3	2	moderately students will solve the vibration problems for 3 DOF systems.
	PO5	2	moderately student can program to obtain the solutions for problems using Python/Matlab.
	PSO1	2	moderately student can use the Python programming language to solve the system of equations for problems.
CO-2	PO1	3	Strongly students having the Knowledge of Ordinary and Partial Differential equations.
	PO2	3	Strongly students can formulate the engineering problems into differential equations and solve it.
	PO3	2	moderately students will solve the vibration/Heat Transfer problems.
	PO5	2	moderately student can program to obtain the solutions for problems using Python/Matlab.
	PSO2	2	moderately student can obtain the solutions for heat transfer problems.
CO-3	PO1	3	Strongly students having the Knowledge of single and double integration.
	PO2	3	Strongly students can formulate the engineering problems into integration form and solve it using numerical methods.
	PO3	2	moderately students will solve the engineering problems.
	PO5	2	moderately student can program to obtain the solutions for problems using Python/Matlab.
	PSO2	1	Slightly student can obtain the solutions for engineering problems.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

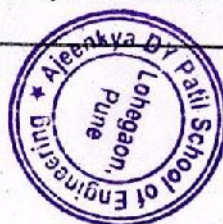
[Signature]

PCB



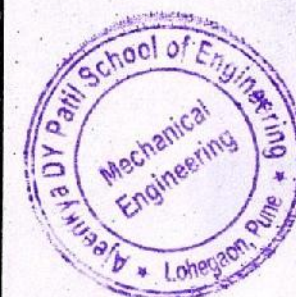
CO-4	PO1	3	Strongly students having the Knowledge of curve fit and regression analysis.
	PO2	3	Strongly students can formulate the engineering problems into curve fit and regression and solve it.
	PO3	2	moderately students will solve the engineering problems using numerical technique.
	PO5	2	moderately student can program to obtain the solutions for problems using Python/Matlab.
	PSO1	1	slightly student can use the Python programming language to solve the system of equations for problems.
CO-5	PO1	3	Strongly students having the Knowledge of statistics.
	PO2	3	Strongly students can formulate the engineering problems into statistics and solve it.
	PO3	2	moderately students will solve the engineering problems using statistics.
	PO5	2	moderately student can program to obtain the solutions for problems using Python/Matlab.
	PSO2	2	moderately student can use the programming skills to solve the problems.
CO-6	PO1	3	Strongly students having the Knowledge of probability.
	PO2	3	Strongly students can formulate the engineering problems into probability distribution model and solve it.
	PO3	2	moderately students will solve the engineering problems using distribution curves.
	PO5	2	moderately student can program to obtain the solutions for problems using Python/Matlab.
	PSO2	2	moderately student can use the programming skills to solve the problems.

Prashant Karajagi



Prof. R. N. Garad
HOD

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Academic Year: 2022-23

Subject: Numerical & Statistical Methods

Name of Subject Teacher: Prof. Prashant Karajagi

CO No.	Statement of COs	Blooms Taxonomy	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)	Indirect Assessment (IDA)		CO Attainment	PO1	Attainment	PO2					
			Unit Test (20%)				CA (10%)		Subject Result (60%)		PR/OR/TW (10%)		Mapping of (20% Internal tests+10% Continuous Assessment +60% Univ result(TH)+ 10% Univ oral result	Course Exit Survey	Mapping	Weightage (80% DA+ 20% IDA)								
			Summative Test	UT1	UT 2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW	Mapping												
CO-1	SOLVE system of equations using direct and iterative numerical methods.	3-Apply	42.86			1.0	83.03	3	26.88	0.0	100.00	3.0	0.80	80.00	3.0	1.24	3	2	3					
CO-2	ESTIMATE solutions for differential equations using numerical techniques.	3-Apply		9.09		0.0	83.03	3	26.88	0.0	100.00	3.0	0.6	76.00	3.0	1.08	3	2	3					
CO-3	DEVELOP solution for engineering applications with numerical integration.	6-Create		5.88		0.0	83.03	3	26.88	0.0	100.00	3.0	0.6	77.33	3.0	1.08	3	2	3					
CO-4	DESIGN and CREATE a model using a curve fitting and regression analysis.	6-Create			91.89	3.0	83.03	3	26.88	0.0	100.00	3.0	1.2	76.67	3.0	1.56	3	2	3					
CO-5	APPLY statistical Technique for quantitative data analysis.	3-Apply			100.00	3.0	83.03	3	26.88	0.0	100.00	3.0	1.2	77.33	3.0	1.56	3	2	3					
CO-6	DEMONSTRATE the data, using the concepts of probability and linear algebra.	3-Apply			35.48	0.0	83.03	3	26.88	0.0	100.00	3.0	0.6	75.33	3.0	1.08	3	2	3					
Mapping Criterias →			Marks ≥60: Level 3													Marks ≥50: Level 2			Marks ≥40: Level 1			Avg. Attainment of PO-1		Avg. Att of P
																						2.00		



Prashant Karajagi



Principal
Ajeenkya DY Patil School of
Engineering, Lohagaon, Pune

Prof. R. N. Garad
HOD

t through quality technical education"

ent of Mechanical Engineering

Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.

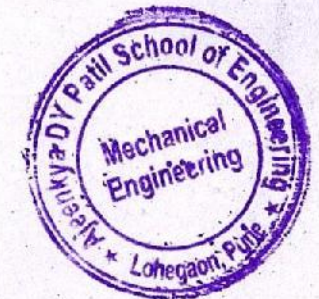
ttainment

Form No. IQAC/39

Semester: I

Class: TE (MECH) Div: D


Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PSO1	Attain ment	PSO2	Attain ment	PSO3	Attain ment
2	2	1			2	1															2	1				
2	2	1			2	1																	2	1		
2	2	1			2	1																	1	1		
2	2	2			2	2															2	2				
2	2	2			2	2																	2	2		
2	2	1			2	1																	2	1		
ainment O-2	Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3	
00	1.33																				1.50		1.25			



PGS

Head (Mech)

Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

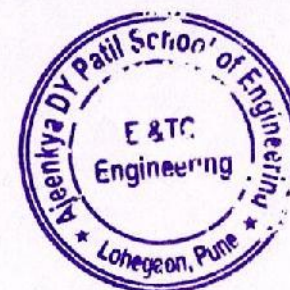
 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105. Department of E&TC Engineering	AY. 2022-23 sem-II TE (E&TC)-A Sub: Network Security
--	---	---

Bloom's Taxonomy Levels		Form No. IQAC/39
Level	Particulars	
1-Remember	Recall facts and basic Concepts (define, duplicate, list, memorize, repeat, state)	
2-Understand	Explain ideas or concepts (classify, describe, discuss, explain, identify, locate, recognize, report, select, translate).	
3-Apply	Use information in new situations (execute, implement, solve, use, demonstrate, interpret, operate, schedule, sketch)	
4-Analyze	Draw connection among ideas (Differentiate, organize, relate, compare, contrast, distinguish, examine, experiment, question, test)	
5-Evaluate	Justify a stand or decision (Appraise, argue, defend, judge, select, support, value, critique, weigh)	
6-Create	Produce new or original work (Design, assemble, construct, conjecture, develop, formulate, author, investigate)	


Dr. Sanjay Koli
Subject Teacher



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



TE - Sem II
NS - SMK



AJEENKYA
DY Patil School of Engineering

“Empowerment through quality technical education”

AJEENKYA DY PATIL SCHOOL OF ENGINEERING

Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.

Department of E&TC Engineering

CO-PO-PSO Mapping

Form No. IQAC/39

Academic Year:2022-23

Semester:II

Subject:Elective-II: Network Security

Class:TE Div:A

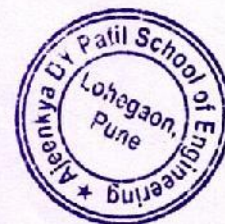
Name of Subject Teacher: Prof. Dr. Sanjay Koli

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	1-Remember	3	3											2		
CO-2	3-Apply	3	3	1	1	2	2								3	
CO-3	3-Apply	3	3	1	1	2	2								3	
CO-4	5-Evaluate	3	3		1	2	2								3	
CO-5	2-Understand	1	3												2	
CO-6	2-Understand	1	3												2	
Average		2.33	3.00	1.00	1.00	2.00	2.00	-	-	-	-	-	-	2.00	2.60	-
Weighted Avg		3	3	1	1	2	2							2	3	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Justification for CO-PO-PSO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	3	Strongly the students will be able to apply the knowledge of mathematics and engineering fundamentals to analyze attacks on computers and computer security.
	PO2	3	Strongly the student will be able to identify and review research literature to analyze attacks on computers and computer security.
	PSO1	2	Moderately the student will understand the fundamentals of designing electronics systems for applications like computer attacks and computer security security.
CO-2	PO1	3	Strongly the student will be able to demonstrate knowledge of cryptography techniques using principles of mathematics and engineering sciences.
	PO2	3	Strongly the student will be able to identify and review research literature to demonstrate knowledge of cryptographic techniques.
	PO3	1	Slightly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of cryptographic techniques.
	PO4	1	Slightly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of cryptographic techniques.
	PO5	2	Moderately the student will be able to apply appropriate techniques and IT tools to complex engineering activities using the knowledge of cryptographic techniques with an understanding of the limitations.
	PO6	2	Moderately the student will be able to apply reasoning informed by the contextual knowledge to assess safety and legal issues and the consequent responsibilities relevant to the professional engineering practice using the knowledge of cryptographic techniques.
	PSO2	3	Strongly the student will strengthen the ability to use open source tools for modeling and simulation to solve technical problems using knowledge of cryptographic techniques.
CO-3	PO1	3	Strongly the student will be able to illustrate various symmetric and asymmetric keys for ciphers using principles of mathematics and engineering sciences.
	PO2	3	Strongly the student will be able to identify and review research literature to illustrate various symmetric and asymmetric keys for ciphers.
	PO3	1	Slightly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of various symmetric and asymmetric keys for ciphers.
	PO4	1	Slightly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of various symmetric and asymmetric keys for ciphers.
	PO5	2	Moderately the student will be able to apply appropriate techniques and IT tools to complex engineering activities using the knowledge of various symmetric and asymmetric keys for ciphers with an understanding of the limitations.
	PO6	2	Moderately the student will be able to apply reasoning informed by the contextual knowledge to assess safety and legal issues and the consequent responsibilities relevant to the professional engineering practice using the knowledge of various symmetric and asymmetric keys for ciphers.
	PSO2	3	Strongly the student will strengthen the ability to use open source tools for modeling and simulation to solve technical problems using knowledge of various symmetric and asymmetric keys for ciphers.
	PO1	3	Strongly the student will be able to apply the knowledge of different message authentication algorithms and Hash functions using principles of mathematics and engineering sciences.
	PO2	3	Strongly the student will be able to identify and review research literature to demonstrate knowledge of different message authentication algorithms and Hash functions.




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

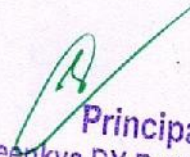


Prof. Sanjay Koli


CO-4	PO4	1	Slightly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of different message authentication algorithms and Hash functions.
	PO5	2	Moderately the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of different message authentication algorithms and Hash functions.
	PO6	2	Moderately the student will be able to apply appropriate techniques and IT tools to complex engineering activities using the knowledge of different message authentication algorithms and Hash functions with an understanding of the limitations.
	PSO2	3	Strongly the student will strengthen the ability to use open source tools for modeling and simulation to solve technical problems using knowledge of various symmetric and asymmetric keys for ciphers.
CO-5	PO1	1	Slightly the students will be able to apply the knowledge of mathematics and engineering fundamentals for getting acquainted with various aspects of E-Mail Security.
	PO3	3	Strongly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of various aspects of E-Mail Security.
	PSO2	2	Moderately the student will strengthen the ability to use open source tools for modeling and simulation to solve technical problems using knowledge of various aspects of E-Mail Security.
CO-6	PO1	1	Slightly the students will be able to apply the knowledge of mathematics and engineering fundamentals for getting acquainted with various aspects of Web Security.
	PO3	3	Strongly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of various aspects of Web Security.
	PSO2	2	Moderately the student will strengthen the ability to use open source tools for modeling and simulation to solve technical problems using knowledge of various aspects of Web Security.



Prof. Sayaj Koli





Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA We Lead School to Engineering		AJEENKYA DY. PATIL SCHOOL OF ENGINEERING										"Improvement through quality technical education" Chhatrgh Bldg, Via Lohegaon, Pune - 412 105. Department of BASIC Engineering										Dr. D. Y. Patil Knowledge City.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
CO-PO-PSO Attainment																						Form No. IQAC/09										Semester:II																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Academic Year:2021-23																						Class:III										Div:A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Subject:Network Security																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Name of Subject Teacher:Dr. Sanjay Kulk																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (IP%)						Direct Assessment (External) (EP%)				Direct Assessment (IDA)		CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PO16	PO17	PO18	PO19	PO20	PO21	PO22	PO23	PO24	PO25	PO26	PO27	PO28	PO29	PO30	PO31	PO32	PO33	PO34	PO35	PO36	PO37	PO38	PO39	PO40	PO41	PO42	PO43	PO44	PO45	PO46	PO47	PO48	PO49	PO50	PO51	PO52	PO53	PO54	PO55	PO56	PO57	PO58	PO59	PO60	PO61	PO62	PO63	PO64	PO65	PO66	PO67	PO68	PO69	PO70	PO71	PO72	PO73	PO74	PO75	PO76	PO77	PO78	PO79	PO80	PO81	PO82	PO83	PO84	PO85	PO86	PO87	PO88	PO89	PO90	PO91	PO92	PO93	PO94	PO95	PO96	PO97	PO98	PO99	PO100	PO101	PO102	PO103	PO104	PO105	PO106	PO107	PO108	PO109	PO110	PO111	PO112	PO113	PO114	PO115	PO116	PO117	PO118	PO119	PO120	PO121	PO122	PO123	PO124	PO125	PO126	PO127	PO128	PO129	PO130	PO131	PO132	PO133	PO134	PO135	PO136	PO137	PO138	PO139	PO140	PO141	PO142	PO143	PO144	PO145	PO146	PO147	PO148	PO149	PO150	PO151	PO152	PO153	PO154	PO155	PO156	PO157	PO158	PO159	PO160	PO161	PO162	PO163	PO164	PO165	PO166	PO167	PO168	PO169	PO170	PO171	PO172	PO173	PO174	PO175	PO176	PO177	PO178	PO179	PO180	PO181	PO182	PO183	PO184	PO185	PO186	PO187	PO188	PO189	PO190	PO191	PO192	PO193	PO194	PO195	PO196	PO197	PO198	PO199	PO200	PO201	PO202	PO203	PO204	PO205	PO206	PO207	PO208	PO209	PO210	PO211	PO212	PO213	PO214	PO215	PO216	PO217	PO218	PO219	PO220	PO221	PO222	PO223	PO224	PO225	PO226	PO227	PO228	PO229	PO230	PO231	PO232	PO233	PO234	PO235	PO236	PO237	PO238	PO239	PO240	PO241	PO242	PO243	PO244	PO245	PO246	PO247	PO248	PO249	PO250	PO251	PO252	PO253	PO254	PO255	PO256	PO257	PO258	PO259	PO260	PO261	PO262	PO263	PO264	PO265	PO266	PO267	PO268	PO269	PO270	PO271	PO272	PO273	PO274	PO275	PO276	PO277	PO278	PO279	PO280	PO281	PO282	PO283	PO284	PO285	PO286	PO287	PO288	PO289	PO290	PO291	PO292	PO293	PO294	PO295	PO296	PO297	PO298	PO299	PO300	PO301	PO302	PO303	PO304	PO305	PO306	PO307	PO308	PO309	PO310	PO311	PO312	PO313	PO314	PO315	PO316	PO317	PO318	PO319	PO320	PO321	PO322	PO323	PO324	PO325	PO326	PO327	PO328	PO329	PO330	PO331	PO332	PO333	PO334	PO335	PO336	PO337	PO338	PO339	PO340	PO341	PO342	PO343	PO344	PO345	PO346	PO347	PO348	PO349	PO350	PO351	PO352	PO353	PO354	PO355	PO356	PO357	PO358	PO359	PO360	PO361	PO362	PO363	PO364	PO365	PO366	PO367	PO368	PO369	PO370	PO371	PO372	PO373	PO374	PO375	PO376	PO377	PO378	PO379	PO380	PO381	PO382	PO383	PO384	PO385	PO386	PO387	PO388	PO389	PO390	PO391	PO392	PO393	PO394	PO395	PO396	PO397	PO398	PO399	PO400	PO401	PO402	PO403	PO404	PO405	PO406	PO407	PO408	PO409	PO410	PO411	PO412	PO413	PO414	PO415	PO416	PO417	PO418	PO419	PO420	PO421	PO422	PO423	PO424	PO425	PO426	PO427	PO428	PO429	PO430	PO431	PO432	PO433	PO434	PO435	PO436	PO437	PO438	PO439	PO440	PO441	PO442	PO443	PO444	PO445	PO446	PO447	PO448	PO449	PO450	PO451	PO452	PO453	PO454	PO455	PO456	PO457	PO458	PO459	PO460	PO461	PO462	PO463	PO464	PO465	PO466	PO467	PO468	PO469	PO470	PO471	PO472	PO473	PO474	PO475	PO476	PO477	PO478	PO479	PO480	PO481	PO482	PO483	PO484	PO485	PO486	PO487	PO488	PO489	PO490	PO491	PO492	PO493	PO494	PO495	PO496	PO497	PO498	PO499	PO500	PO501	PO502	PO503	PO504	PO505	PO506	PO507	PO508	PO509	PO510	PO511	PO512	PO513	PO514	PO515	PO516	PO517	PO518	PO519	PO520	PO521	PO522	PO523	PO524	PO525	PO526	PO527	PO528	PO529	PO530	PO531	PO532	PO533	PO534	PO535	PO536	PO537	PO538	PO539	PO540	PO541	PO542	PO543	PO544	PO545	PO546	PO547	PO548	PO549	PO550	PO551	PO552	PO553	PO554	PO555	PO556	PO557	PO558	PO559	PO560	PO561	PO562	PO563	PO564	PO565	PO566	PO567	PO568	PO569	PO570	PO571	PO572	PO573	PO574	PO575	PO576	PO577	PO578	PO579	PO580	PO581	PO582	PO583	PO584	PO585	PO586	PO587	PO588	PO589	PO590	PO591	PO592	PO593	PO594	PO595	PO596	PO597	PO598	PO599	PO600	PO601	PO602	PO603	PO604	PO605	PO606	PO607	PO608	PO609	PO610	PO611	PO612	PO613	PO614	PO615	PO616	PO617	PO618	PO619	PO620	PO621	PO622	PO623	PO624	PO625	PO626	PO627	PO628	PO629	PO630	PO631	PO632	PO633	PO634	PO635	PO636	PO637	PO638	PO639	PO640	PO641	PO642	PO643	PO644	PO645	PO646	PO647	PO648	PO649	PO650	PO651	PO652	PO653	PO654	PO655	PO656	PO657	PO658	PO659	PO660	PO661	PO662	PO663	PO664	PO665	PO666	PO667	PO668	PO669	PO670	PO671	PO672	PO673	PO674	PO675	PO676	PO677	PO678	PO679	PO680	PO681	PO682	PO683	PO684	PO685	PO686	PO687	PO688	PO689	PO690	PO691	PO692	PO693	PO694	PO695	PO696	PO697	PO698	PO699	PO700	PO701	PO702	PO703	PO704	PO705	PO706	PO707	PO708	PO709	PO710	PO711	PO712	PO713	PO714	PO715	PO716	PO717	PO718	PO719	PO720	PO721	PO722	PO723	PO724	PO725	PO726	PO727	PO728	PO729	PO730	PO731	PO732	PO733	PO734	PO735	PO736	PO737	PO738	PO739	PO740	PO741	PO742	PO743	PO744	PO745	PO746	PO747	PO748	PO749	PO750	PO751	PO752	PO753	PO754	PO755	PO756	PO757	PO758	PO759	PO760	PO761	PO762	PO763	PO764	PO765	PO766	PO767	PO768	PO769	PO770	PO771	PO772	PO773	PO774	PO775	PO776	PO777	PO778	PO779	PO780	PO781	PO782	PO783	PO784	PO785	PO786	PO787	PO788	PO789	PO790	PO791	PO792	PO793	PO794	PO795	PO796	PO797	PO798	PO799	PO800	PO801	PO802	PO803	PO804	PO805	PO806	PO807	PO808	PO809	PO810	PO811	PO812	PO813	PO814	PO815	PO816	PO817	PO818	PO819	PO820	PO821	PO822	PO823	PO824	PO825	PO826	PO827	PO828	PO829	PO830	PO831	PO832	PO833	PO834	PO835	PO836	PO837	PO838	PO839	PO840	PO841	PO842	PO843	PO844	PO845	PO846	PO847	PO848	PO849	PO850	PO851	PO852	PO853	PO854	PO855	PO856	PO857	PO858	PO859	PO860	PO861	PO862	PO863	PO864	PO865	PO866	PO867	PO868	PO869	PO870	PO871	PO872	PO873	PO874	PO875	PO876	PO877	PO878	PO879	PO880	PO881	PO882	PO883	PO884	PO885	PO886	PO887	PO888	PO889	PO890	PO891	PO892	PO893	PO894	PO895	PO896	PO897	PO898	PO899	PO900	PO901	PO902	PO903	PO904	PO905	PO906	PO907	PO908	PO909	PO910	PO911	PO912	PO913	PO914	PO915	PO916	PO917	PO918	PO919	PO920	PO921	PO922	PO923	PO924	PO925	PO926	PO927	PO928	PO929	PO930	PO931	PO932	PO933	PO934	PO935	PO936	PO937	PO938	PO939	PO940	PO941	PO942	PO943	PO944	PO945	PO946	PO947	PO948	PO949	PO950	PO951	PO952	PO953	PO954	PO955	PO956	PO957	PO958	PO959	PO960	PO961	PO962	PO963	PO964	PO965	PO966	PO967	PO968	PO969	PO970	PO971	PO972	PO973	PO974	PO975	PO976	PO977	PO978	PO979	PO980	PO981	PO982	PO983	PO984	PO985	PO986	PO987	PO988	PO989	PO990	PO991	PO992	PO993	PO994	PO995	PO996	PO997	PO998	PO999	PO1000	PO1001	PO1002	PO1003	PO1004	PO1005	PO1006	

 AJEENKYA DY Patil School of Engineering		AJEENKYA DY PATIL SCHOOL OF ENGINEERING																				"Empowerment through quality technical education"										Dr. D. Y. Patil Knowledge City, Chhatoli Bk., Vin									
																						Lohegaon, Pune - 412 105. Department of E&TC Engineering										IQAC Form No:39									
Sr. No.	Class (Div) & Subject	CO No	CO Attainment	PO1	Attainme nt	PO2	Attainme nt	PO3	Attainme nt	PO4	Attainme nt	PO5	Attainme nt	PO6	Attainme nt	PO7	Attainme nt	PO8	Attainme nt	PO9	Attainme nt	PO10	Attainme nt	PO11	Attainme nt	PO12	Attainme nt	PSO1	Attainme nt	PSO2	Attainme nt	PSO3	Attainme nt								
1	TE (A)-NS	CO-1	2.84	3.00	3.00	3.00	3.00					1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00									2.00	2.00			3.00	3.00								
		CO-2	2.52	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00															3.00	3.00									
		CO-3	2.52	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00															3.00	3.00									
		CO-4	2.52	3.00	3.00	3.00	3.00				1.00	1.00	2.00	2.00	2.00	2.00															2.00	2.00									
		CO-5	2.36	1.00	1.00	3.00	3.00																								2.00	2.00									
		CO-6	2.36	1.00	1.00	3.00	3.00																								2.00	2.00									
				Avg. Attainment of PO-1		Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3									
				2.33		3.00		1.00		1.00		2.00		2.00												2.00		2.00													



Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Engineering Sciences

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2022-2023

Subject: Cloud Computinig

Semester:I

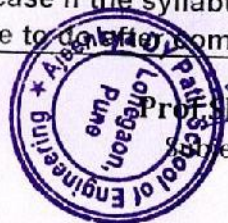
Name of Subject Teacher: Prof.Shirsath M.A

Class: BE

Div:A

CO No.	BT level	Students will be able to
CO-1	3-Apply	Understand the basic concepts of Cloud Computing
CO-2	3-Apply	Describe the underlying principles of different Cloud Service Models
CO-3	3-Apply	Classify the types of Virtualization
CO-4	3-Apply	Examine the Cloud Architecture and understand the importance of Cloud Security
CO-5	4-Analyze	Develop applications on Cloud Platforms
CO-6	2-Understand	Evaluate Distributed Computing and the Internet of Things

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Prof. Shirsath M.A
Subject Teacher



Dr. Saniya Ansari
Head, Engg. E&TC Dept.
Head
Department of E&TC Engg.
Dr. D. Y. Patil School of Engg.
Charholi (Bk), Via Lohegaon, Pune

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Engineering Sciences

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester: I

Subject: Cloud computing

Class: BE Div: A

Name of Subject Teacher: Prof. Shirsath M.A

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	3-Apply	3		3			2	3					2	NA	NA	NA
CO-2	3-Apply	3	3		2	3		2					2	NA	NA	NA
CO-3	3-Apply	3	3	3	2	2	2	2		3				NA	NA	NA
CO-4	3-Apply	2	2	3	2	3	3	3						NA	NA	NA
CO-5	4-Analyze	3	3	3	3	3	3	3		3	2		2	NA	NA	NA
CO-6	2-Understand	3	3	3	2		2	3			2	1	2	NA	NA	NA
Average		2.83	2.80	3.00	2.20	2.75	2.40	2.67	-	3.00	2.00	1.00	2.00	-	-	-
Rounded off		3	3	3	3	3	3	3		3	2	1	2			

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation




Prof. Shirsath M.A
Subject Teacher



Dr. Saniya Ansari
Head, Engg. E&TC Dept.

Head
Department of E&TC Engg.
Dr. D. Y. Patil School of Engg.
Charholi (Bk), Via Lohegaon, Pune

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

		Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Chincholi (BK), Lohegaon, Pune - 412 105 Website: https://dypsoc.in/																				Form No. IQAC/26		Semester I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		CO-PO-PSO Attainment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		Academic Year: 2022-23 Subject: CC Name of Subject Teacher: Prof. Shirsath M.A.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (30%)					Direct Assessment (External) (70%)					Indirect Assessment (IDA)		CO Attainment	PO1 Attainment	PO2 Attainment	PO3 Attainment	PO4 Attainment	PO5 Attainment	PO6 Attainment	PO7 Attainment	PO8 Attainment	PO9 Attainment	PO10 Attainment	PO11 Attainment	PO12 Attainment	PSO1 Attainment	PSO2 Attainment	PSO3 Attainment	PSO4 Attainment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			Unit Test (20%)			CA (10%)		Subject Result	University Exam (50%)			Mapping of 20% Internal test+10% Continuous Assessment +60% University result (110)	Course Exit Survey	Mapping %																		Weightage (80% DA+ 20% IDA)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			Summative Test	UT1	UT2	Mapping	CA		Mapping	% result of Sub.	Mapping																						Result of PR/OR/TW	Mapping																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CO-1	Simplify Boolean Expressions using K Map	3-Apply	###	3.0	72.05	3	0	###	0.0	92.30	3.0	14.71	79.39	3.0	12.37	3	3	3	13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Prof. Shirsath M.A.
Subject Teacher

Dr. Sanjay A. Amari
Head, Engg. E&TC Dept.

Head
Department of E&TC Engg.
Dr. D. Y. Patil School of Engg.
Chincholi (BK), Vashi - Lohegaon, Pune



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Department of E&TC Engineering

Course Outcomes (COs):

Academic Year.:2022-23

Subject:VLSI

Name of Subject Teacher: Prof. Shital Patil

Class:BE

Form No. IQAC/36

Semester: I

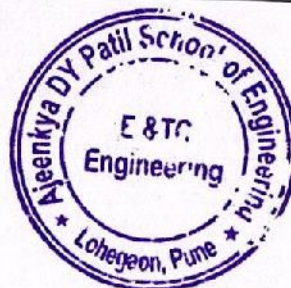
Div:A

CO No.	BT level	Students will be able to
CO-1	6-Create	Develop effective HDL codes for digital design.
CO-2	2-Understand	Apply knowledge of real time issues in digital design.
CO-3	4-Analyze	Model digital circuit with HDL, simulate, synthesis and prototype in PLDs.
CO-4	6-Create	Design CMOS circuits for specified applications.
CO-5	4-Analyze	Analyze various issues and constraints in design of an ASIC.
CO-6	2-Understand	Apply knowledge of testability in design and Build In Self Test (BIST) circuit.

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Prof. S. S. Patil
(Subject Teacher)



Shamada
HOD
E&TC Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

[Signature]
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Academic Year: 2022-23

Subject: VLSI

Semester: I

Name of Subject Teacher: Prof. Shital Patil

Class: BE

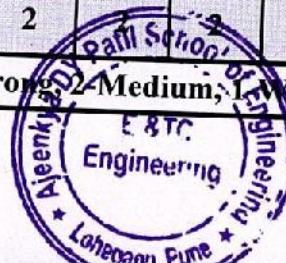
Div: A

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	6-Create	1		3				2				2	2	1		2
CO-2	2-Understand	2	3				2							2	2	
CO-3	4-Analyze			3		2					1					2
CO-4	6-Create			2		2									1	2
CO-5	4-Analyze		2	1	2											1
CO-6	2-Understand	1				1									1	2
Average		1.33	2.50	2.25	2.00	1.67	2.00	2.00	-	-	1.00	2.00	2.00	1.50	1.33	1.80
Rounded off		2	3	3	2	2					1	2	2	2	2	2

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation




Prob. S. S. Patil
 (Subject Teacher)



HOD
E&TC Engineering
 Ajeenkya DY Patil School of Engineering
 Lohegaon, Pune

Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

 AJEENKYA Dr. D. Y. Patil School of Engineering			Improvement Through Quality Technical Education Ajeenkya Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Chaudhikheda, Lohegaon, Pune - 417 303 Website: http://www.aepse.ac.in Department of E&TC Engineering																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Academic Year:2022-23		CO-PO-PSO Attainment													Form No. E&TC/202																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Subject:VLSI		Semester: I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Name of Subject Teacher:Shilpi Patil																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
CO No.	Statement of COs	Course Outcomes	Direct Assessment (Internal) (10%)						Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment	Can III										Can A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			Unit Test (20%)			C.A. (10%)			Subject Result (60%)		PE/OD/PS (40%)		Course Exit Survey	Mapping	Weightage (60% DA + 20% IDA)	PO1		Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PO13	Attain ment	PO14	Attain ment	PSO1	Attain ment	PSO2	Attain ment	PSO3	Attain ment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			Written test	UT1	UT2	Mapping	CA	Mapping	% result of Sub	Mapping	% Result of PE/OD/PS	Mapping																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CO-1	Develop effective HDL codes for digital design.	6-Credits	88.88			3.0	71.25	3	63.46	3.0	100.00	3.0	3.00	76.97	3.0	3.00	3.00	1	1			3	3			2	2					2	2	2	2	1	1			2	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
CO-2	Apply knowledge of real time issues in digital design.	2-Understand	31.54			0.0	71.25	3	63.46	3.0	100.00	3.0	3.0	76.97	3.0	2.50	2.50	2	2	3	3					1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</



AJEENKYA
DY Patil School of Engineering

Empowerment Through Quality Technical Education
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune - 412 105
Website: <https://dypsoe.in/>

Department of E&TC Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Subject: Signals & Systems (204191)

Name of Subject Teacher: Prof. Ashwini Bagde

Semester: II

Div: B

Class: SE

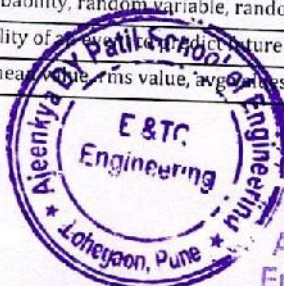
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	3	2											2		
CO-2	3-Apply	3	2			1								1	1	
CO-3	4-Analyze	3	3			1								1	1	
CO-4	4-Analyze	3	3	2		2								1		
CO-5	3-Apply	3	2													
CO-6	2- Understand	2														
Average		2.83	2.40	2.00	-	1.33	-	-	-	-	-	-	-	1.25	1.00	-
Rounded off		3	3	2		2								2	1	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	3	Strong knowledge of signals, their types, system and their types, CT and DT signals and systems, operations on signals
	PO2	2	Student can identify the type of signal and system, modify the signal as per analysis
	PSO1	2	student can understand the fundamental of signals and system and can design a basic system
CO-2	PO1	3	strong understanding of signal, types and convolution between two signals
	PO2	2	They can analyze the signal and perform the convolution
	PO5	1	Modern tools like simulink, MATLAB, virtual LAB, SCALA etc can be used for operations
	PSO1	1	student can understand the fundamental of signals and system and can design a basic system
CO-3	PSO2	1	With the help of tools, student can perform operations on signals and can understand and solve problem
	PO1	3	strong knowledge of fourier series and transform, frequency domain, amplitude and phase spectrum
	PO2	3	student can convert the signal into frequency domain and analyze their properties.
	PO5	1	Virtual lab, simulink, MATLAB can be used to perform FT and FS
	PSO1	1	Strong understanding of FS and FT can help student to understand communication system
CO-4	PSO2	1	Matlab, Scala etc tools makes it easier to perform FS and FT, also issues can be resolved quickly
	PO1	3	Strong knowledge of laplace transform, advantages of LT, properties of LT, S-domain, poles and zeros and ROC
	PO2	3	With the help of S-domain, student can easily predict the stability of given system, if unstable they can rearrange the element to make it stable
	PO3	2	Student can design the stable system with the help of S-domain graph
	PO5	2	Matlab, Scala, Virtual lab etc can be used for LT and ILT operations
CO-5	PSO1	1	Strong understanding LT can help student to understand LTI stable system
	PO1	3	Strong knowledge of probability, random variable, random experiment, random signal, CDF and PDF
CO-6	PO2	2	Student can find probability of a given discrete time signal, CDF and PDF also
	PO1	2	Basic understanding of mean, variance, this value, averages, std deviation etc.

Prof. Ashwini Bagde
Subject Teacher



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Dr. Saniya Ansari
HoD E&TC

Academic Year: 2022-23

Subject: Signals & Systems

Name of Subject Teacher: Prof. Ashwini Bagde

Semester: II

Class: SE

Div: B


CO No.	Statement of COS	Blooms Taxonomy	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams						Indirect Assessment (IDA)		CO Attainment 4	ned/ Not attaine	POs																		Avg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			Unit Test (20%)			CA (10%)			Subject Result		PR/OR/TW (10%)		Mapping of (20% Internal tests +10 % Conti	TARG US	CO ATTA INMENT STAT	Course Exit Survey			Mapping	Weightage (80% DA+ 20% IDA)	Target	PO1	Att ain ment	PO2	Att ain ment	PO3	Att ain ment	PO4	Att ain ment	PO5	Att ain ment	PO6	Att ain ment	PO7	Att ain ment	PO8	Att ain ment	PO9	Att ain ment	PO10	Att ain ment	PO11	Att ain ment	PO12	Att ain ment	PO13	Att ain ment	PO14	Att ain ment	PO15	Att ain ment	PO16	Att ain ment	PO17	Att ain ment	PO18	Att ain ment	PO19	Att ain ment	PO20	Att ain ment	PO21	Att ain ment	PO22	Att ain ment	PO23	Att ain ment	PO24	Att ain ment	PO25	Att ain ment	PO26	Att ain ment	PO27	Att ain ment	PO28	Att ain ment	PO29	Att ain ment	PO30	Att ain ment	PO31	Att ain ment	PO32	Att ain ment	PO33	Att ain ment	PO34	Att ain ment	PO35	Att ain ment	PO36	Att ain ment	PO37	Att ain ment	PO38	Att ain ment	PO39	Att ain ment	PO40	Att ain ment	PO41	Att ain ment	PO42	Att ain ment	PO43	Att ain ment	PO44	Att ain ment	PO45	Att ain ment	PO46	Att ain ment	PO47	Att ain ment	PO48	Att ain ment	PO49	Att ain ment	PO50	Att ain ment	PO51	Att ain ment	PO52	Att ain ment	PO53	Att ain ment	PO54	Att ain ment	PO55	Att ain ment	PO56	Att ain ment	PO57	Att ain ment	PO58	Att ain ment	PO59	Att ain ment	PO60	Att ain ment	PO61	Att ain ment	PO62	Att ain ment	PO63	Att ain ment	PO64	Att ain ment	PO65	Att ain ment	PO66	Att ain ment	PO67	Att ain ment	PO68	Att ain ment	PO69	Att ain ment	PO70	Att ain ment	PO71	Att ain ment	PO72	Att ain ment	PO73	Att ain ment	PO74	Att ain ment	PO75	Att ain ment	PO76	Att ain ment	PO77	Att ain ment	PO78	Att ain ment	PO79	Att ain ment	PO80	Att ain ment	PO81	Att ain ment	PO82	Att ain ment	PO83	Att ain ment	PO84	Att ain ment	PO85	Att ain ment	PO86	Att ain ment	PO87	Att ain ment	PO88	Att ain ment	PO89	Att ain ment	PO90	Att ain ment	PO91	Att ain ment	PO92	Att ain ment	PO93	Att ain ment	PO94	Att ain ment	PO95	Att ain ment	PO96	Att ain ment	PO97	Att ain ment	PO98	Att ain ment	PO99	Att ain ment	PO100	Att ain ment	PO101	Att ain ment	PO102	Att ain ment	PO103	Att ain ment	PO104	Att ain ment	PO105	Att ain ment	PO106	Att ain ment	PO107	Att ain ment	PO108	Att ain ment	PO109	Att ain ment	PO110	Att ain ment	PO111	Att ain ment	PO112	Att ain ment	PO113	Att ain ment	PO114	Att ain ment	PO115	Att ain ment	PO116	Att ain ment	PO117	Att ain ment	PO118	Att ain ment	PO119	Att ain ment	PO120	Att ain ment	PO121	Att ain ment	PO122	Att ain ment	PO123	Att ain ment	PO124	Att ain ment	PO125	Att ain ment	PO126	Att ain ment	PO127	Att ain ment	PO128	Att ain ment	PO129	Att ain ment	PO130	Att ain ment	PO131	Att ain ment	PO132	Att ain ment	PO133	Att ain ment	PO134	Att ain ment	PO135	Att ain ment	PO136	Att ain ment	PO137	Att ain ment	PO138	Att ain ment	PO139	Att ain ment	PO140	Att ain ment	PO141	Att ain ment	PO142	Att ain ment	PO143	Att ain ment	PO144	Att ain ment	PO145	Att ain ment	PO146	Att ain ment	PO147	Att ain ment	PO148	Att ain ment	PO149	Att ain ment	PO150	Att ain ment	PO151	Att ain ment	PO152	Att ain ment	PO153	Att ain ment	PO154	Att ain ment	PO155	Att ain ment	PO156	Att ain ment	PO157	Att ain ment	PO158	Att ain ment	PO159	Att ain ment	PO160	Att ain ment	PO161	Att ain ment	PO162	Att ain ment	PO163	Att ain ment	PO164	Att ain ment	PO165	Att ain ment	PO166	Att ain ment	PO167	Att ain ment	PO168	Att ain ment	PO169	Att ain ment	PO170	Att ain ment	PO171	Att ain ment	PO172	Att ain ment	PO173	Att ain ment	PO174	Att ain ment	PO175	Att ain ment	PO176	Att ain ment	PO177	Att ain ment	PO178	Att ain ment	PO179	Att ain ment	PO180	Att ain ment	PO181	Att ain ment	PO182	Att ain ment	PO183	Att ain ment	PO184	Att ain ment	PO185	Att ain ment	PO186	Att ain ment	PO187	Att ain ment	PO188	Att ain ment	PO189	Att ain ment	PO190	Att ain ment	PO191	Att ain ment	PO192	Att ain ment	PO193	Att ain ment	PO194	Att ain ment	PO195	Att ain ment	PO196	Att ain ment	PO197	Att ain ment	PO198	Att ain ment	PO199	Att ain ment	PO200	Att ain ment	PO201	Att ain ment	PO202	Att ain ment	PO203	Att ain ment	PO204	Att ain ment	PO205	Att ain ment	PO206	Att ain ment	PO207	Att ain ment	PO208	Att ain ment	PO209	Att ain ment	PO210	Att ain ment	PO211	Att ain ment	PO212	Att ain ment	PO213	Att ain ment	PO214	Att ain ment	PO215	Att ain ment	PO216	Att ain ment	PO217	Att ain ment	PO218	Att ain ment	PO219	Att ain ment	PO220	Att ain ment	PO221	Att ain ment	PO222	Att ain ment	PO223	Att ain ment	PO224	Att ain ment	PO225	Att ain ment	PO226	Att ain ment	PO227	Att ain ment	PO228	Att ain ment	PO229	Att ain ment	PO230	Att ain ment	PO231	Att ain ment	PO232	Att ain ment	PO233	Att ain ment	PO234	Att ain ment	PO235	Att ain ment	PO236	Att ain ment	PO237	Att ain ment	PO238	Att ain ment	PO239	Att ain ment	PO240	Att ain ment	PO241	Att ain ment	PO242	Att ain ment	PO243	Att ain ment	PO244	Att ain ment	PO245	Att ain ment	PO246	Att ain ment	PO247	Att ain ment	PO248	Att ain ment	PO249	Att ain ment	PO250	Att ain ment	PO251	Att ain ment	PO252	Att ain ment	PO253	Att ain ment	PO254	Att ain ment	PO255	Att ain ment	PO256	Att ain ment	PO257	Att ain ment	PO258	Att ain ment	PO259	Att ain ment	PO260	Att ain ment	PO261	Att ain ment	PO262	Att ain ment	PO263	Att ain ment	PO264	Att ain ment	PO265	Att ain ment	PO266	Att ain ment	PO267	Att ain ment	PO268	Att ain ment	PO269	Att ain ment	PO270	Att ain ment	PO271	Att ain ment	PO272	Att ain ment	PO273	Att ain ment	PO274	Att ain ment	PO275	Att ain ment	PO276	Att ain ment	PO277	Att ain ment	PO278	Att ain ment	PO279	Att ain ment	PO280	Att ain ment	PO281	Att ain ment	PO282	Att ain ment	PO283	Att ain ment	PO284	Att ain ment	PO285	Att ain ment	PO286	Att ain ment	PO287	Att ain ment	PO288	Att ain ment	PO289	Att ain ment	PO290	Att ain ment	PO291	Att ain ment	PO292	Att ain ment	PO293	Att ain ment	PO294	Att ain ment	PO295	Att ain ment	PO296	Att ain ment	PO297	Att ain ment	PO298	Att ain ment	PO299	Att ain ment	PO300	Att ain ment	PO301	Att ain ment	PO302	Att ain ment	PO303	Att ain ment	PO304	Att ain ment	PO305	Att ain ment	PO306	Att ain ment	PO307	Att ain ment	PO308	Att ain ment	PO309	Att ain ment	PO310	Att ain ment	PO311	Att ain ment	PO312	Att ain ment	PO313	Att ain ment	PO314	Att ain ment	PO315	Att ain ment	PO316	Att ain ment	PO317	Att ain ment	PO318	Att ain ment	PO319	Att ain ment	PO320	Att ain ment	PO321	Att ain ment	PO322	Att ain ment	PO323	Att ain ment	PO324	Att ain ment	PO325	Att ain ment	PO326	Att ain ment	PO327	Att ain ment	PO328	Att ain ment	PO329	Att ain ment	PO330	Att ain ment	PO331	Att ain ment	PO332	Att ain ment	PO333	Att ain ment	PO334	Att ain ment	PO335	Att ain ment	PO336	Att ain ment	PO337	Att ain ment	PO338	Att ain ment	PO339	Att ain ment	PO340	Att ain ment	PO341	Att ain ment	PO342	Att ain ment	PO343	Att ain ment	PO344	Att ain ment	PO345	Att ain ment	PO346	Att ain ment	PO347	Att ain ment	PO348	Att ain ment	PO349	Att ain ment	PO350	Att ain ment	PO351	Att ain ment	PO352	Att ain ment	PO353	Att ain ment	PO354	Att ain ment	PO355	Att ain ment	PO356	Att ain ment	PO357	Att ain ment	PO358	Att ain ment	PO359	Att ain ment	PO360	Att ain ment	PO361	Att ain ment	PO362	Att ain ment	PO363	Att ain ment	PO364	Att ain ment	PO365	Att ain ment	PO366	Att ain ment	PO367	Att ain ment	PO368	Att ain ment	PO369	Att ain ment	PO370	Att ain ment	PO371	Att ain ment	PO372	Att ain ment	PO373	Att ain ment	PO374	Att ain ment	PO375	Att ain ment	PO376	Att ain ment	PO377	Att ain ment	PO378	Att ain ment	PO379	Att ain ment	PO380	Att ain ment	PO381	Att ain ment	PO382	Att ain ment	PO383	Att ain ment	PO384	Att ain ment	PO385	Att ain ment	PO386	Att ain ment	PO387	Att ain ment	PO388	Att ain ment	PO389	Att ain ment	PO390	Att ain ment	PO391	Att ain ment	PO392	Att ain ment	PO393	Att ain ment	PO394	Att ain ment	PO395	Att ain ment	PO396	Att ain ment	PO397	Att ain ment	PO398	Att ain ment	PO399	Att ain ment	PO400	Att ain ment	PO401	Att ain ment	PO402	Att ain ment	PO403	Att ain ment	PO404	Att ain ment	PO405	Att ain ment	PO406	Att ain ment	PO407	Att ain ment	PO408	Att ain ment	PO409	Att ain ment	PO410	Att ain ment	PO411	Att ain ment	PO412	Att ain ment	PO413	Att ain ment	PO414	Att ain ment	PO415	Att ain ment	PO416	Att ain ment	PO417	Att ain ment	PO418	Att ain ment	PO419	Att ain ment	PO420	Att ain ment	PO421	Att ain ment	PO422	Att ain ment	PO423	Att ain ment	PO424	Att ain ment	PO425	Att ain ment	PO426	Att ain ment	PO427	Att ain ment	PO428	Att ain ment	PO429	Att ain ment	PO430	Att ain ment	PO431	Att ain ment	PO432	Att ain ment	PO433	Att ain ment	PO434	Att ain ment	PO435	Att ain ment	PO436	Att ain ment	PO437	Att ain ment	PO438	Att ain ment	PO439	Att ain ment	PO440	Att ain ment	PO441	Att ain ment	PO442	Att ain ment	PO443	Att ain ment	PO444	Att ain ment	PO445	Att ain ment	PO446	Att ain ment	PO447	Att ain ment	PO448	Att ain ment	PO449	Att ain ment	PO450	Att ain ment	PO451	Att ain ment	PO452	Att ain ment	PO453	Att ain ment	PO454	Att ain ment	PO455	Att ain ment	PO456	Att ain ment	PO457	Att ain ment	PO458	Att ain ment	PO459	Att ain ment	PO460	Att ain ment	PO461	Att ain ment	PO462	Att ain ment	PO463	Att ain ment	PO464	Att ain ment	PO465	Att ain ment	PO466	Att ain ment	PO467	Att ain ment	PO468	Att ain ment	PO469	Att ain ment	PO470	Att ain ment	PO471	Att ain ment	PO472	Att ain ment	PO473	Att ain ment	PO474	Att ain ment	PO475	Att ain ment	PO476	Att ain ment	PO477	Att ain ment	PO478	Att ain ment	PO479	Att ain ment	PO480	Att ain ment	PO481	Att ain ment	PO482	Att ain ment	PO483	Att ain ment	PO484	Att ain ment	PO485	Att ain ment	PO486	Att ain ment	PO487	Att ain ment	PO488	Att ain ment	PO489	Att ain ment	PO490	Att ain ment	PO491	Att ain ment	PO492	Att ain ment	PO493	Att ain ment	PO494	Att ain ment	PO495	Att ain ment	PO496	Att ain ment	PO497	Att ain ment	PO498	Att ain ment	PO499	Att ain ment	PO500	Att ain ment	PO501	Att ain ment	PO502	Att ain ment	PO503	Att ain ment	PO504	Att ain ment	PO505	Att ain ment	PO506	Att ain ment	PO507	Att ain ment	PO508	Att ain ment	PO509	Att ain ment	PO510	Att ain ment	PO511	Att ain ment	PO512	Att ain ment	PO513	Att ain ment	PO514	Att ain ment	PO515	Att ain ment	PO516	Att ain ment	PO517	Att ain ment	PO518	Att ain ment	PO519	Att ain ment	PO520	Att ain ment	PO521	Att ain ment	PO522	Att ain ment	PO523	Att ain ment	PO524	Att ain ment	PO525	Att ain ment	PO526	Att ain ment	PO527	Att ain ment	PO528	Att ain ment	PO529	Att ain ment	PO530	Att ain ment	PO531

Prof. Ashwini Bagde
Subject Teacher

Dr. Sanjay Anant
HoD




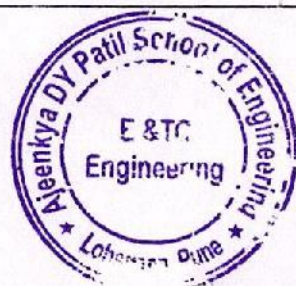
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

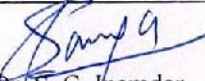
 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105. Department of E&TC Engineering		Dr. D.

Course Outcomes (COs):		Form No. IQAC/36
Academic Year.:2022-23		Semester:01
Subject: WSN		Class:ME- I
Name of Subject Teacher: Prof. Kalpita Mane		Div:
CO No.	BT level	Students will be able to
CO-1	2- Understand	To understand basic WSN Technology and its supporting Protocols
CO-2	3-Apply	To learn routing protocols and their design issues in WSN
CO-3	3-Apply	To understand sensor- management, sensor- network middle ware and operating systems
CO-4	2-Understand	To understand WSN layers' issues and their protocols
CO-5		
CO-6		


In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



 Prof. Kalpita Mane
 Subject teacher




 Dr. S. C. Inamdar
 HoD

HOD
E&TC Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune


Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

		<p align="center">"Empowerment through quality technical education"</p> <p align="center">AJEENKYA DY PATIL SCHOOL OF ENGINEERING</p> <p align="center">Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.</p> <p align="center">Department of E&TC Engineering</p>																	
<p align="center">CO-PO-PSO Mapping</p>																	<p align="center">Form No. IQAC/36</p>		
<p>Academic Year: 2022-23</p>																	<p align="center">Semester:01</p>		
<p>Subject: WSN</p>																	<p align="center">Class: ME-I Div:</p>		
<p>Name of Subject Teacher: Prof. Kalpita Mane</p>																			
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3			
CO-1	2- Understand	3	3	2	1	2								2	3	3			
CO-2	3-Apply	2	2	3			1	1						2	3				
CO-3	3-Apply	3	3											2	2				
CO-4	2- Understand	3	2											3		2			
CO-5	0																		
CO-6	0																		
Average		2.75	2.50	2.50	1.00	2.00	1.00	1.00	-	-	-	-	-	2.25	2.67	2.50			
Rounded off		3	3	3	1	2	1	1						3	3	3			
<p align="center">(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation</p>																			

Justification for CO-PO Mapping.

CO No.	PO/PSO	Level	Justification of Mapping
CO-1	PO1	2	Moderately having the Knowledge of the fundamental concepts of Digital system students can define logic
	PO2	3	Strongly the students can use the basic logic gates knowledge and various reduction techniques of digital
	PO5	1	Slightly the student will become aware of the primary components of a digital system.
	PO11	1	Slightly the student will recognize the need for, and have the preparation and ability to engage in
	PO12	2	Moderately the student will become aware of the need for lifelong learning and the continued upgrading of
	PSO1	1	Slightly students can strengthen the ability to solve technical problems and understand the fundamentals of
CO-2	PSO2	3	Strongly the students can inculcate the skills to manage and lead a team contributing to development of
	PO1	3	Strongly having the Knowledge of the fundamental concepts of broadband communication system that
	PO2	2	Moderately the student will analyse System architectures, Point to point links of light wave system
	PO6	1	Slightly the student using the knowledge of Point to point links and can design and develop solutions for
	PO12	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of
	PSO1	1	Slightly Understand the fundamentals of designing electronics circuits for applications like digital systems
CO-3	PSO2	3	Strongly the students can strengthen the ability to use open source tools for modeling and simulation of
	PO1	3	Strongly the students will apply the knowledge to design the combinational logic circuits
	PO2	2	Moderately the student will know Principles of mathematics and engineering sciences used in various
	PO3	2	Slightly the student using the knowledge of digital system, can design and develop solutions for complex
CO-4	PSO1	3	Slightly the student will study of fundamental concepts of digital system to analyse and develop small mode
	PO1	3	Strongly having the Knowledge of the basics of sequential circuits students will be able to design the digital
	PO2	3	Strongly students will identify sequential circuits
	PO5	1	Slightly the student using the knowledge of orbital mechanics and the look angles, can design and develop
	PO12	2	Moderately having Knowledge of sequential circuits can be used to conduct experiments in real life problems
	PSO1	2	Slightly students will study of fundamental concepts of sequential circuits to analyze the digital systems
CO-5	PO1	2	Moderately students will apply the knowledge of the fundamentals of Moore and mealy machine to design
	PO2	3	strongly the student will inculcate the skills to manage and lead a team contributing to development of
	PO5	2	Moderately students will study of fundamental concepts of ASM to analyse and develop systems and
	PSO2	1	Slightly students will strengthen the ability to use open source tools for modeling and simulation to solve
CO-6	PO1	2	Moderately students apply subject understanding in PLDs.
	PO2	3	Strongly students apply the knowledge of PLA and PAL for design and development solutions for complex
	PO5	1	Slightly students will apply knowledge of the concepts relevant to the professional engineering practice.
	PSO1	2	Moderately students will understand the importance of memories for applications of digital systems

Prof. Kalpita Mane

Dr. S.C. Inamdar

Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of E&TC Engineering

Dr. D.

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2022-23

Subject: Digital CMOS Design

Semester:01

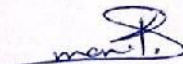
Name of Subject Teacher: Prof. Kalpita Mane

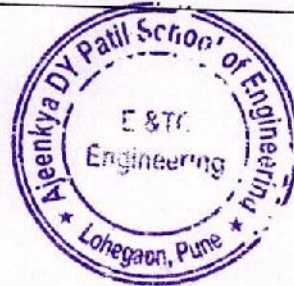
Class:ME- I

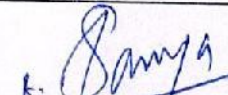
Div:

CO No.	BT level	Students will be able to
CO-1	2- Understand	Understand the fundamentals of CMOS Technology in Digital Domain
CO-2	3-Apply	Explore the skills of designing digital VLSI
CO-3	3-Apply	Demonstrate the ability of using EDA tools in IC Design
CO-4		
CO-5		
CO-6		

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"


Prof. Kalpita Mane
Subject teacher




Dr. S. C. Inamdar
HoD


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
 Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
 Department of E&TC Engineering

CO-PO-PSO Mapping

Academic Year: 2022-23

Form No. IQAC/36

Subject: Digital CMOS Design

Semester:01

Name of Subject Teacher: Prof. Kalpita Mane

Class: ME-I Div:

CO	PO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2-Understand		3	2	3	2	2								3	3	3
CO-2	3-Apply		2	3	2			1	1						2	2	3
CO-3	3-Apply		3	2											3	3	
CO-4	0																
CO-5	0																
CO-6	0																
Average			2.67	2.33	2.50	2.00	2.00	1.00	1.00	-	-	-	-	-	2.67	2.67	3.00
Rounded off			3	3	3	2	2	1	1						3	3	3

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Justification for CO-PO Mapping.

CO No.	PO/PSO	Level	Justification of Mapping
CO-1	PO1	2	Moderately having the Knowledge of the fundamental concepts of Digital system students can define logic
	PO2	3	Strongly the students can use the basic logic gates knowledge and various reduction techniques of digital
	PO5	1	Slightly the student will become aware of the primary components of a digital system.
	PO11	1	Slightly the student will recognize the need for, and have the preparation and ability to engage in
	PO12	2	Moderately the student will become aware of the need for lifelong learning and the continued upgrading of
	PSO1	1	Slightly students can strengthen the ability to solve technical problems and understand the fundamentals of
CO-2	PSO2	3	Strongly the students can inculcate the skills to manage and lead a team contributing to development of
	PO1	3	Strongly having the Knowledge of the fundamental concepts of broadband communication system that
	PO2	2	Moderately the student will analyse System architectures, Point to point links of light wave system
	PO6	1	Slightly the student using the knowledge of Point to point links and can design and develop solutions for
	PO12	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of
	PSO1	1	Slightly Understand the fundamentals of designing electronics circuits for applications like digital systems
CO-3	PSO2	3	Strongly the students can strengthen the ability to use open source tools for modeling and simulation of
	PO1	3	Strongly the students will apply the knowledge to design the combinational logic circuits
	PO2	2	Moderately the student will know Principles of mathematics and engineering sciences used in various
	PO3	2	Slightly the student using the knowledge of digital system, can design and develop solutions for complex
CO-4	PSO1	3	Slightly the student will study of fundamental concepts of digital system to analyse and develop small models
	PO1	3	Strongly having the Knowledge of the basics of sequential circuits students will be able to design the digital
	PO2	3	Strongly students will identify sequential circuits
	PO5	1	Slightly the student using the knowledge of orbital mechanics and the look angles, can design and develop
	PO12	2	Moderately having Knowledge of sequential circuits can be used to conduct experiments in real life problems
CO-5	PSO1	2	Slightly students will study of fundamental concepts of sequential circuits to analyze the digital systems
	PO1	2	Moderately students will apply the knowledge of the fundamentals of Moore and mealy machine to design
	PO2	3	strongly the student will inculcate the skills to manage and lead a team contributing to development of
	PO5	2	Moderately students will study of fundamental concepts of ASM to analyse and develop systems and
	PSO2	1	Slightly students will strengthen the ability to use open source tools for modeling and simulation to solve
CO-6	PO1	2	Moderately students apply subject understanding in PLDs.
	PO2	3	Strongly students apply the knowledge of PLA and PAL for design and development solutions for complex
	PO5	1	Slightly students will apply knowledge of memories relevant to the professional engineering practice.
	PSO1	2	Moderately students will understand the fundamentals of memories for applications of digital systems

Prof. Kalpita Mane



[Signature]
 Dr. S. Manjari



[Signature]
Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



AJEENKYA
DY Patil School of Engineering

“Empowerment through quality technical education”
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of E&TC Engineering

Dr. D.

Course Outcomes (COs):

Form No. IQAC/39

Academic Year.:2022-23

Subject: Analog CMOS Design

Name of Subject Teacher: Prof. Kalpita Mane

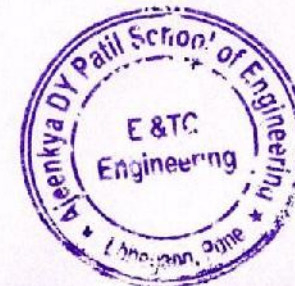
Class:ME-I

Semester:02

Div:

CO No.	BT level	Students will be able to
CO-1	2- Understand	Understand design concepts and issues of CMOS amplifiers
CO-2	3-Apply	Learn different Compensation techniques
CO-3	2- Understand	Acquire the knowledge of designing of HF and Low Noise Amplifiers
CO-4		
CO-5		
CO-6		

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



AJEENKYA
DY Patil School of Engineering

"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of E&TC Engineering

CO-PO-PSO Mapping

Form No. IQAC/39

Academic Year: 2022-23

Semester: 02

Subject: Analog CMOS Design

Class: ME-I Div:

Name of Subject Teacher: Prof. Kalpita Mane


PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	3	2	3	2	2								3	3	3
CO-2	3-Apply	2	3	2			1	1						2	2	3
CO-3	2- Understand	3	2											3	3	
CO-4	0															
CO-5	0															
CO-6	0															
Average		2.67	2.33	2.50	2.00	2.00	1.00	1.00	-	-	-	-	-	2.67	2.67	3.00
Rounded off		3	3	3	2	2	1	1						3	3	3

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



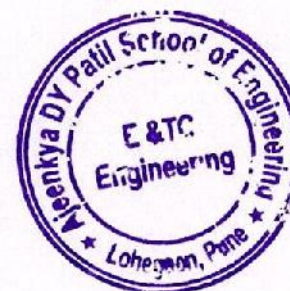

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



		<p>Empowerment through quality technical education</p> <p>AJEENKYA DY. PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Chaudh. Bld., Via. Lohegaon, Pune - 412 108</p> <p>Department of E&TC Engineering</p>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Academic Year: 2022-23		CO-PO-PSO Attainment															Form No. EPM709																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Subject: Analog CMOS Design		Semester: I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Name of Subject Teacher: Prof. Kalpita Mane																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (80%)						Direct Assessment (External) (75%) University Exam				Direct Assessment (DA)		Indirect Assessment (IA)		CO Attainment	Class MBE																		Dis																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			Unit Test (20%)			CA (10%)			Subject Result (60%)		PROJECT/TH (15%)		Mapping of (20% Internal test+10% Continuous Assessment +40% Univ. result)(TH+10% Univ. result)	Course Exit Survey	Mapping	Weightage (80% DA+ 20% IA)		PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PO13	Attain ment	PO14	Attain ment	PO15	Attain ment	PO16	Attain ment	PO17	Attain ment	PO18	Attain ment	PO19	Attain ment	PO20	Attain ment	PO21	Attain ment	PO22	Attain ment	PO23	Attain ment	PO24	Attain ment	PO25	Attain ment	PO26	Attain ment	PO27	Attain ment	PO28	Attain ment	PO29	Attain ment	PO30	Attain ment	PO31	Attain ment	PO32	Attain ment	PO33	Attain ment	PO34	Attain ment	PO35	Attain ment	PO36	Attain ment	PO37	Attain ment	PO38	Attain ment	PO39	Attain ment	PO40	Attain ment	PO41	Attain ment	PO42	Attain ment	PO43	Attain ment	PO44	Attain ment	PO45	Attain ment	PO46	Attain ment	PO47	Attain ment	PO48	Attain ment	PO49	Attain ment	PO50	Attain ment	PO51	Attain ment	PO52	Attain ment	PO53	Attain ment	PO54	Attain ment	PO55	Attain ment	PO56	Attain ment	PO57	Attain ment	PO58	Attain ment	PO59	Attain ment	PO60	Attain ment	PO61	Attain ment	PO62	Attain ment	PO63	Attain ment	PO64	Attain ment	PO65	Attain ment	PO66	Attain ment	PO67	Attain ment	PO68	Attain ment	PO69	Attain ment	PO70	Attain ment	PO71	Attain ment	PO72	Attain ment	PO73	Attain ment	PO74	Attain ment	PO75	Attain ment	PO76	Attain ment	PO77	Attain ment	PO78	Attain ment	PO79	Attain ment	PO80	Attain ment	PO81	Attain ment	PO82	Attain ment	PO83	Attain ment	PO84	Attain ment	PO85	Attain ment	PO86	Attain ment	PO87	Attain ment	PO88	Attain ment	PO89	Attain ment	PO90	Attain ment	PO91	Attain ment	PO92	Attain ment	PO93	Attain ment	PO94	Attain ment	PO95	Attain ment	PO96	Attain ment	PO97	Attain ment	PO98	Attain ment	PO99	Attain ment	PO100	Attain ment	PO101	Attain ment	PO102	Attain ment	PO103	Attain ment	PO104	Attain ment	PO105	Attain ment	PO106	Attain ment	PO107	Attain ment	PO108	Attain ment	PO109	Attain ment	PO110	Attain ment	PO111	Attain ment	PO112	Attain ment	PO113	Attain ment	PO114	Attain ment	PO115	Attain ment	PO116	Attain ment	PO117	Attain ment	PO118	Attain ment	PO119	Attain ment	PO120	Attain ment	PO121	Attain ment	PO122	Attain ment	PO123	Attain ment	PO124	Attain ment	PO125	Attain ment	PO126	Attain ment	PO127	Attain ment	PO128	Attain ment	PO129	Attain ment	PO130	Attain ment	PO131	Attain ment	PO132	Attain ment	PO133	Attain ment	PO134	Attain ment	PO135	Attain ment	PO136	Attain ment	PO137	Attain ment	PO138	Attain ment	PO139	Attain ment	PO140	Attain ment	PO141	Attain ment	PO142	Attain ment	PO143	Attain ment	PO144	Attain ment	PO145	Attain ment	PO146	Attain ment	PO147	Attain ment	PO148	Attain ment	PO149	Attain ment	PO150	Attain ment	PO151	Attain ment	PO152	Attain ment	PO153	Attain ment	PO154	Attain ment	PO155	Attain ment	PO156	Attain ment	PO157	Attain ment	PO158	Attain ment	PO159	Attain ment	PO160	Attain ment	PO161	Attain ment	PO162	Attain ment	PO163	Attain ment	PO164	Attain ment	PO165	Attain ment	PO166	Attain ment	PO167	Attain ment	PO168	Attain ment	PO169	Attain ment	PO170	Attain ment	PO171	Attain ment	PO172	Attain ment	PO173	Attain ment	PO174	Attain ment	PO175	Attain ment	PO176	Attain ment	PO177	Attain ment	PO178	Attain ment	PO179	Attain ment	PO180	Attain ment	PO181	Attain ment	PO182	Attain ment	PO183	Attain ment	PO184	Attain ment	PO185	Attain ment	PO186	Attain ment	PO187	Attain ment	PO188	Attain ment	PO189	Attain ment	PO190	Attain ment	PO191	Attain ment	PO192	Attain ment	PO193	Attain ment	PO194	Attain ment	PO195	Attain ment	PO196	Attain ment	PO197	Attain ment	PO198	Attain ment	PO199	Attain ment	PO200	Attain ment	PO201	Attain ment	PO202	Attain ment	PO203	Attain ment	PO204	Attain ment	PO205	Attain ment	PO206	Attain ment	PO207	Attain ment	PO208	Attain ment	PO209	Attain ment	PO210	Attain ment	PO211	Attain ment	PO212	Attain ment	PO213	Attain ment	PO214	Attain ment	PO215	Attain ment	PO216	Attain ment	PO217	Attain ment	PO218	Attain ment	PO219	Attain ment	PO220	Attain ment	PO221	Attain ment	PO222	Attain ment	PO223	Attain ment	PO224	Attain ment	PO225	Attain ment	PO226	Attain ment	PO227	Attain ment	PO228	Attain ment	PO229	Attain ment	PO230	Attain ment	PO231	Attain ment	PO232	Attain ment	PO233	Attain ment	PO234	Attain ment	PO235	Attain ment	PO236	Attain ment	PO237	Attain ment	PO238	Attain ment	PO239	Attain ment	PO240	Attain ment	PO241	Attain ment	PO242	Attain ment	PO243	Attain ment	PO244	Attain ment	PO245	Attain ment	PO246	Attain ment	PO247	Attain ment	PO248	Attain ment	PO249	Attain ment	PO250	Attain ment	PO251	Attain ment	PO252	Attain ment	PO253	Attain ment	PO254	Attain ment	PO255	Attain ment	PO256	Attain ment	PO257	Attain ment	PO258	Attain ment	PO259	Attain ment	PO260	Attain ment	PO261	Attain ment	PO262	Attain ment	PO263	Attain ment	PO264	Attain ment	PO265	Attain ment	PO266	Attain ment	PO267	Attain ment	PO268	Attain ment	PO269	Attain ment	PO270	Attain ment	PO271	Attain ment	PO272	Attain ment	PO273	Attain ment	PO274	Attain ment	PO275	Attain ment	PO276	Attain ment	PO277	Attain ment	PO278	Attain ment	PO279	Attain ment	PO280	Attain ment	PO281	Attain ment	PO282	Attain ment	PO283	Attain ment	PO284	Attain ment	PO285	Attain ment	PO286	Attain ment	PO287	Attain ment	PO288	Attain ment	PO289	Attain ment	PO290	Attain ment	PO291	Attain ment	PO292	Attain ment	PO293	Attain ment	PO294	Attain ment	PO295	Attain ment	PO296	Attain ment	PO297	Attain ment	PO298	Attain ment	PO299	Attain ment	PO300	Attain ment	PO301	Attain ment	PO302	Attain ment	PO303	Attain ment	PO304	Attain ment	PO305	Attain ment	PO306	Attain ment	PO307	Attain ment	PO308	Attain ment	PO309	Attain ment	PO310	Attain ment	PO311	Attain ment	PO312	Attain ment	PO313	Attain ment	PO314	Attain ment	PO315	Attain ment	PO316	Attain ment	PO317	Attain ment	PO318	Attain ment	PO319	Attain ment	PO320	Attain ment	PO321	Attain ment	PO322	Attain ment	PO323	Attain ment	PO324	Attain ment	PO325	Attain ment	PO326	Attain ment	PO327	Attain ment	PO328	Attain ment	PO329	Attain ment	PO330	Attain ment	PO331	Attain ment	PO332	Attain ment	PO333	Attain ment	PO334	Attain ment	PO335	Attain ment	PO336	Attain ment	PO337	Attain ment	PO338	Attain ment	PO339	Attain ment	PO340	Attain ment	PO341	Attain ment	PO342	Attain ment	PO343	Attain ment	PO344	Attain ment	PO345	Attain ment	PO346	Attain ment	PO347	Attain ment	PO348	Attain ment	PO349	Attain ment	PO350	Attain ment	PO351	Attain ment	PO352	Attain ment	PO353	Attain ment	PO354	Attain ment	PO355	Attain ment	PO356	Attain ment	PO357	Attain ment	PO358	Attain ment	PO359	Attain ment	PO360	Attain ment	PO361	Attain ment	PO362	Attain ment	PO363	Attain ment	PO364	Attain ment	PO365	Attain ment	PO366	Attain ment	PO367	Attain ment	PO368	Attain ment	PO369	Attain ment	PO370	Attain ment	PO371	Attain ment	PO372	Attain ment	PO373	Attain ment	PO374	Attain ment	PO375	Attain ment	PO376	Attain ment	PO377	Attain ment	PO378	Attain ment	PO379	Attain ment	PO380	Attain ment	PO381	Attain ment	PO382	Attain ment	PO383	Attain ment	PO384	Attain ment	PO385	Attain ment	PO386	Attain ment	PO387	Attain ment	PO388	Attain ment	PO389	Attain ment	PO390	Attain ment	PO391	Attain ment	PO392	Attain ment	PO393	Attain ment	PO394	Attain ment	PO395	Attain ment	PO396	Attain ment	PO397	Attain ment	PO398	Attain ment	PO399	Attain ment	PO400	Attain ment	PO401	Attain ment	PO402	Attain ment	PO403	Attain ment	PO404	Attain ment	PO405	Attain ment	PO406	Attain ment	PO407	Attain ment	PO408	Attain ment	PO409	Attain ment	PO410	Attain ment	PO411	Attain ment	PO412	Attain ment	PO413	Attain ment	PO414	Attain ment	PO415	Attain ment	PO416	Attain ment	PO417	Attain ment	PO418	Attain ment	PO419	Attain ment	PO420	Attain ment	PO421	Attain ment	PO422	Attain ment	PO423	Attain ment	PO424	Attain ment	PO425	Attain ment	PO426	Attain ment	PO427	Attain ment	PO428	Attain ment	PO429	Attain ment	PO430	Attain ment	PO431	Attain ment	PO432	Attain ment	PO433	Attain ment	PO434	Attain ment	PO435	Attain ment	PO436	Attain ment	PO437	Attain ment	PO438	Attain ment	PO439	Attain ment	PO440	Attain ment	PO441	Attain ment	PO442	Attain ment	PO443	Attain ment	PO444	Attain ment	PO445	Attain ment	PO446	Attain ment	PO447	Attain ment	PO448	Attain ment	PO449	Attain ment	PO450	Attain ment	PO451	Attain ment	PO452	Attain ment	PO453	Attain ment	PO454	Attain ment	PO455	Attain ment	PO456	Attain ment	PO457	Attain ment	PO458	Attain ment	PO459	Attain ment	PO460	Attain ment	PO461	Attain ment	PO462	Attain ment	PO463	Attain ment	PO464	Attain ment	PO465	Attain ment	PO466	Attain ment	PO467	Attain ment	PO468	Attain ment	PO469	Attain ment	PO470	Attain ment	PO471	Attain ment	PO472	Attain ment	PO473	Attain ment	PO474	Attain ment	PO475	Attain ment	PO476	Attain ment	PO477	Attain ment	PO478	Attain ment	PO479	Attain ment	PO480	Attain ment	PO481	Attain ment	PO482	Attain ment	PO483	Attain ment	PO484	Attain ment	PO485	Attain ment	PO486	Attain ment	PO487	Attain ment	PO488	Attain ment	PO489	Attain ment	PO490	Attain ment	PO491	Attain ment	PO492	Attain ment	PO493	Attain ment	PO494	Attain ment	PO495	Attain ment	PO496	Attain ment	PO497	Attain ment	PO498	Attain ment	PO499	Attain ment	PO500	Attain ment	PO501	Attain ment	PO502	Attain ment	PO503	Attain ment	PO504	Attain ment	PO505	Attain ment	PO506	Attain ment	PO507	Attain ment	PO508	Attain ment	PO509	Attain ment	PO510	Attain ment	PO511	Attain ment	PO512	Attain ment	PO513	Attain ment	PO514	Attain ment	PO515	Attain ment	PO516	Attain ment	PO517	Attain ment	PO518	Attain ment	PO519	Attain ment	PO520	Attain ment	PO521	Attain ment	PO522	Attain ment	PO523	Attain ment	PO524	Attain ment	PO525	Attain ment	PO526	Attain ment	PO527	Attain ment	PO528	Attain ment	PO529	Attain ment	PO530	Attain ment	PO531	Attain ment	PO532	Attain ment	PO533	Attain ment	PO534	Attain ment	PO535	Attain ment	PO536	Attain ment	PO537	Attain ment	PO538	Attain ment	PO539	Attain ment	PO540	Attain ment	PO541	Attain ment	PO542	Attain ment	PO543	Attain ment	PO544	Attain ment	PO545	Attain ment	PO546	Attain ment	PO547	Attain ment	PO548	Attain ment	PO549	Attain ment	PO550	Attain ment	PO551	Attain ment	PO552	Attain ment	PO553	Attain ment	PO554	Attain ment	PO555	Attain ment	PO556	Attain ment	PO557	Attain ment	PO558	Attain ment	PO559	Attain ment	PO560	Attain ment	PO561	Attain ment	PO562	Attain ment	PO563	Attain ment	PO564	Attain ment	PO565	Attain ment	PO566	Attain ment	PO567	Attain ment	PO568	Attain ment	PO569	Attain ment	PO570	Attain ment	PO571	Attain ment	PO572	Attain ment	PO573	Attain ment	PO574	Attain ment	PO575	Attain ment	PO576	Attain ment	PO577	Attain ment	PO578	Attain ment	PO579	Attain ment	PO580	Attain ment	PO581	Attain ment	PO582	Attain ment	PO583	Attain ment	PO584	Attain ment	PO585	Attain ment	PO586	Attain ment	PO587	Attain ment	PO588	Attain ment	PO589	Attain ment	PO590	Attain ment	PO591	Attain ment	PO592	Attain ment	PO593	Attain ment	PO594	Attain ment	PO595	Attain ment	PO596	Attain ment	PO597	Attain ment	PO598	Attain ment	PO599	Attain ment	PO600	Attain ment	PO601	Attain ment	PO602	Attain ment	PO603	Attain ment	PO604	Attain ment	PO605	Attain ment	PO606	Attain ment	PO607	Attain ment	PO608	Attain ment	PO609	Attain ment	PO610	Attain ment	PO611	Attain ment	PO612	Attain ment	PO613	Attain ment	PO614	Attain ment	PO615	Attain ment	PO616	Attain ment	PO617	Attain ment	PO618	Attain ment	PO619	Attain ment	PO620	Attain ment	PO621	Attain ment	PO622	Attain ment	PO623	Attain ment	PO624	Attain ment	PO625	Attain ment	PO626	Attain ment	PO627	Attain ment	PO628	Attain ment	PO629	Attain ment	PO630	Attain ment	PO631	Attain ment	PO632	Attain ment	PO633	Attain ment	PO634	Attain ment	PO635	Attain ment	PO636	Attain ment	PO637	Attain ment	PO638	Attain ment	PO639	Attain ment	PO640	Attain ment	PO641	Attain ment	PO642	Attain ment	PO643	Attain ment	PO644	Attain ment	PO645	Attain ment	PO646	Attain ment	PO647	Attain ment	PO648	Attain ment	PO649	Attain ment	PO650	Attain ment	PO651	Attain ment	PO652	Attain ment	PO653	Attain ment	PO654	Attain ment	PO655	Attain ment	PO656	Attain ment	PO657	Attain ment	PO658	Attain ment	PO659	Attain ment	PO660	Attain ment	PO661	Attain ment	PO662	Attain ment	PO663	Attain ment	PO664	Attain ment	PO665	Attain ment	PO666	Attain ment	PO667	Attain ment	PO668	Attain ment	PO669	Attain ment	PO670	Attain ment	PO671	Attain ment	PO672	Attain ment	PO673	Attain ment	PO674	Attain ment	PO675	Attain ment	PO676	Attain ment	PO677	Attain ment	PO678	Attain ment	PO679	Attain ment	PO680	Attain ment	PO681	Attain ment	PO682	Attain ment	PO683	Attain ment	PO684	Attain ment	PO685	Attain ment	PO686	Attain ment	PO687	Attain ment	PO688	Attain ment	PO689	Attain ment	PO690	Attain ment	PO691	Attain ment	PO692	Attain ment	PO693	Attain ment	PO694	Attain ment	PO695	Attain ment	PO696	Attain ment	PO697	Attain ment	PO698	Attain ment	PO699	Attain ment	PO700	Attain ment	PO701	Attain ment	PO702	Attain ment	PO703	Attain ment	PO704	Attain ment	PO70

[Signature]
 Prof. Kalpita S. Mane
 Subject teacher

[Signature]
 HOD



[Signature]
Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



AJEENKYA
DY Patil School of Engineering

"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of E&TC Engineering

Dr. D.

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2022-23

Semester:01

Subject: Reconfigurable Computing

Class:ME- I

Div: A

Name of Subject Teacher: Prof. Prajkata Khairnar

CO No.	BT level	Students will be able to
CO-1	2- Understand	Understand the concept of reconfigurable computing and its integration on computing platforms
CO-2	3-Apply	Design, implement and analyze reconfigurable systems in the recent application domains using HDL
CO-3	3-Apply	Use advanced EDA tools to simulate and synthesize HDL codes for reconfigurable architectures
CO-4		
CO-5		
CO-6		

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



for
Prof. Prajkata Khairnar
Subject Teacher



Sanyas
Dr. S. C. Inamdar
HoD

Principal
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
Department of E&TC Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester: 01

Subject: Reconfigurable Computing

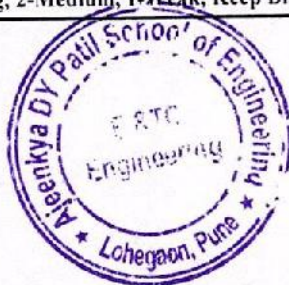
Class: ME-I Div:

Name of Subject Teacher: Prof. Prajkata Khairnar

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	3	3	3	1	2								3	3	3
CO-2	3-Apply	2	2	2			1	1						2	2	
CO-3	3-Apply	3	2											2	3	
CO-4	0															
CO-5	0															
CO-6	0															
Average		2.67	2.33	2.50	1.00	2.00	1.00	1.00	-	-	-	-	-	2.33	2.67	3.00
Rounded off		3	3	3	1	2	1	1						3	3	3

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation


Prof. Prajkata Khairnar
Subject Teacher




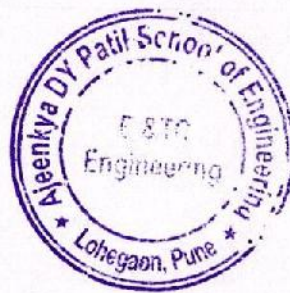
Dr. S. C. Inamdar
HoD

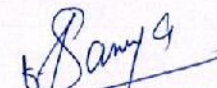
Principal
Ajeenkya DY Patil School of Engineering



 AJEENKYA <small>Dr. D. Y. Patil School of Engineering</small>		<div>Empowerment through quality technical education</div> <div>AJEENKYA DY. PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Chaudhary Bldg., Via. Lohegaon, Pune - 412 105</div> <div>Department of E&TC Engineering</div>																																	
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9			PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment	
1	ME (Reconfigurable Computing)	CO-1	2.40	3.00	3.00	3.00	3.00	3.00	3.00	1.00	1.00	2.00	2.00		1.00	1.00	1.00	1.00												3.00	3.00	3.00	3.00	3.00	3.00
		CO-2	2.40	2.00	2.00	2.00	2.00	2.00	2.00																					2.00	2.00	2.00	2.00		
		CO-3	1.32	3.00	2.00	2.00	2.00																							2.00	2.00	3.00	2.00		
		CO-4	1.32																																
		CO-5	2.40																																
		CO-6	2.40																																
						Avg. Attainment of PO-1		Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3	
						2.33		2.33		2.50		1.00		2.00		1.00		1.00												2.33		2.33		3.00	



 Prof. Pratiksha Khairnar
 Subject Teacher





 Dr. S.C. Inamdar
 HoD

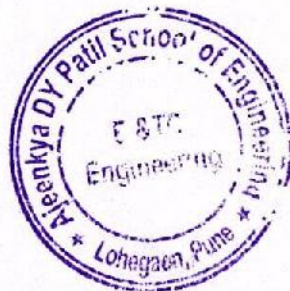

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune




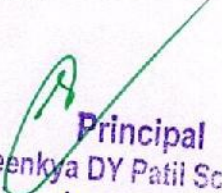
 AJEENKYA <small>DY Patil School of Engineering</small>		<p align="center">"Empowerment through quality technical education"</p> <p align="center">AJEENKYA DY PATIL SCHOOL OF ENGINEERING</p> <p align="center">Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.</p> <p align="center">Department of E&TC Engineering</p>	
		Course Outcomes (COs):	Form No. IQAC/36
Academic Year.:2022-23			Semester: 01
Subject: Embedded System Design		Class:ME- I	Div:
Name of Subject Teacher: Dr. Saniya Ansari			
CO No.	BT level	Students will be able to	
CO-1	2- Understand	Understand attributes of functional units of Network Protocol	
CO-2	3-Apply	Design ARM Processor based Embedded Systems	
CO-3	3-Apply	Carry out programming in Embedded programming in C, C++	
CO-4	3-Apply	Port Linux operating system and device drivers	
CO-5			
CO-6			

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"


 Dr. Saniya Ansari
 Subject Teacher




 Dr. Sharan namdar
 HoD


Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester:01

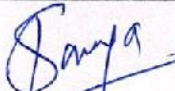
Subject: Embedded System Design

Class: ME-I Div:


Name of Subject Teacher: Dr. Saniya Ansari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2-Understand	3	2	3	2	2								3	3	3
CO-2	3-Apply	2	3	2			1	1						2	2	3
CO-3	3-Apply	3	2											3	3	
CO-4	3-Apply	3	3											2	2	
CO-5	0															
CO-6	0															
Average		2.75	2.50	2.50	2.00	2.00	1.00	1.00	-	-	-	-	-	2.50	2.50	3.00
Rounded off		3	3	3	2	2	1	1						3	3	3

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation


 Dr. Saniya Ansari
 Subject Teacher




 Dr. Sharan Inamdar
 HoD


 Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune





Academic Year: 2022-23

Semester: I

Subject: Embedded System Design

Name of Subject Teacher: Dr. Sandya Anant

CO No.	Statement of COs	Exams Tentative	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)		CO Attainment	Class AB																				Dist																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Unit Test			(20%)			CA (10%)		Subject Exam (40%)		PROJECT (30%)			Mapping of (20% Internal + 10% Continuous Assessment + 10% Lab + 10% Project) = 50% Overall result (10% University result)	Course- Exit Survey	Mapping	Weightage (40% DA + 20% DA)	PO1	Attain- ment	PO2	Attain- ment	PO3	Attain- ment	PO4	Attain- ment	PO5	Attain- ment	PO6	Attain- ment	PO7	Attain- ment	PO8	Attain- ment	PO9	Attain- ment	PO10	Attain- ment	PO11	Attain- ment	PO12	Attain- ment	PO13	Attain- ment	PO14	Attain- ment	PO15	Attain- ment	PO16	Attain- ment	PO17	Attain- ment	PO18	Attain- ment	PO19	Attain- ment	PO20	Attain- ment	PO21	Attain- ment	PO22	Attain- ment	PO23	Attain- ment	PO24	Attain- ment	PO25	Attain- ment	PO26	Attain- ment	PO27	Attain- ment	PO28	Attain- ment	PO29	Attain- ment	PO30	Attain- ment	PO31	Attain- ment	PO32	Attain- ment	PO33	Attain- ment	PO34	Attain- ment	PO35	Attain- ment	PO36	Attain- ment	PO37	Attain- ment	PO38	Attain- ment	PO39	Attain- ment	PO40	Attain- ment	PO41	Attain- ment	PO42	Attain- ment	PO43	Attain- ment	PO44	Attain- ment	PO45	Attain- ment	PO46	Attain- ment	PO47	Attain- ment	PO48	Attain- ment	PO49	Attain- ment	PO50	Attain- ment	PO51	Attain- ment	PO52	Attain- ment	PO53	Attain- ment	PO54	Attain- ment	PO55	Attain- ment	PO56	Attain- ment	PO57	Attain- ment	PO58	Attain- ment	PO59	Attain- ment	PO60	Attain- ment	PO61	Attain- ment	PO62	Attain- ment	PO63	Attain- ment	PO64	Attain- ment	PO65	Attain- ment	PO66	Attain- ment	PO67	Attain- ment	PO68	Attain- ment	PO69	Attain- ment	PO70	Attain- ment	PO71	Attain- ment	PO72	Attain- ment	PO73	Attain- ment	PO74	Attain- ment	PO75	Attain- ment	PO76	Attain- ment	PO77	Attain- ment	PO78	Attain- ment	PO79	Attain- ment	PO80	Attain- ment	PO81	Attain- ment	PO82	Attain- ment	PO83	Attain- ment	PO84	Attain- ment	PO85	Attain- ment	PO86	Attain- ment	PO87	Attain- ment	PO88	Attain- ment	PO89	Attain- ment	PO90	Attain- ment	PO91	Attain- ment	PO92	Attain- ment	PO93	Attain- ment	PO94	Attain- ment	PO95	Attain- ment	PO96	Attain- ment	PO97	Attain- ment	PO98	Attain- ment	PO99	Attain- ment	PO100	Attain- ment	PO101	Attain- ment	PO102	Attain- ment	PO103	Attain- ment	PO104	Attain- ment	PO105	Attain- ment	PO106	Attain- ment	PO107	Attain- ment	PO108	Attain- ment	PO109	Attain- ment	PO110	Attain- ment	PO111	Attain- ment	PO112	Attain- ment	PO113	Attain- ment	PO114	Attain- ment	PO115	Attain- ment	PO116	Attain- ment	PO117	Attain- ment	PO118	Attain- ment	PO119	Attain- ment	PO120	Attain- ment	PO121	Attain- ment	PO122	Attain- ment	PO123	Attain- ment	PO124	Attain- ment	PO125	Attain- ment	PO126	Attain- ment	PO127	Attain- ment	PO128	Attain- ment	PO129	Attain- ment	PO130	Attain- ment	PO131	Attain- ment	PO132	Attain- ment	PO133	Attain- ment	PO134	Attain- ment	PO135	Attain- ment	PO136	Attain- ment	PO137	Attain- ment	PO138	Attain- ment	PO139	Attain- ment	PO140	Attain- ment	PO141	Attain- ment	PO142	Attain- ment	PO143	Attain- ment	PO144	Attain- ment	PO145	Attain- ment	PO146	Attain- ment	PO147	Attain- ment	PO148	Attain- ment	PO149	Attain- ment	PO150	Attain- ment	PO151	Attain- ment	PO152	Attain- ment	PO153	Attain- ment	PO154	Attain- ment	PO155	Attain- ment	PO156	Attain- ment	PO157	Attain- ment	PO158	Attain- ment	PO159	Attain- ment	PO160	Attain- ment	PO161	Attain- ment	PO162	Attain- ment	PO163	Attain- ment	PO164	Attain- ment	PO165	Attain- ment	PO166	Attain- ment	PO167	Attain- ment	PO168	Attain- ment	PO169	Attain- ment	PO170	Attain- ment	PO171	Attain- ment	PO172	Attain- ment	PO173	Attain- ment	PO174	Attain- ment	PO175	Attain- ment	PO176	Attain- ment	PO177	Attain- ment	PO178	Attain- ment	PO179	Attain- ment	PO180	Attain- ment	PO181	Attain- ment	PO182	Attain- ment	PO183	Attain- ment	PO184	Attain- ment	PO185	Attain- ment	PO186	Attain- ment	PO187	Attain- ment	PO188	Attain- ment	PO189	Attain- ment	PO190	Attain- ment	PO191	Attain- ment	PO192	Attain- ment	PO193	Attain- ment	PO194	Attain- ment	PO195	Attain- ment	PO196	Attain- ment	PO197	Attain- ment	PO198	Attain- ment	PO199	Attain- ment	PO200	Attain- ment	PO201	Attain- ment	PO202	Attain- ment	PO203	Attain- ment	PO204	Attain- ment	PO205	Attain- ment	PO206	Attain- ment	PO207	Attain- ment	PO208	Attain- ment	PO209	Attain- ment	PO210	Attain- ment	PO211	Attain- ment	PO212	Attain- ment	PO213	Attain- ment	PO214	Attain- ment	PO215	Attain- ment	PO216	Attain- ment	PO217	Attain- ment	PO218	Attain- ment	PO219	Attain- ment	PO220	Attain- ment	PO221	Attain- ment	PO222	Attain- ment	PO223	Attain- ment	PO224	Attain- ment	PO225	Attain- ment	PO226	Attain- ment	PO227	Attain- ment	PO228	Attain- ment	PO229	Attain- ment	PO230	Attain- ment	PO231	Attain- ment	PO232	Attain- ment	PO233	Attain- ment	PO234	Attain- ment	PO235	Attain- ment	PO236	Attain- ment	PO237	Attain- ment	PO238	Attain- ment	PO239	Attain- ment	PO240	Attain- ment	PO241	Attain- ment	PO242	Attain- ment	PO243	Attain- ment	PO244	Attain- ment	PO245	Attain- ment	PO246	Attain- ment	PO247	Attain- ment	PO248	Attain- ment	PO249	Attain- ment	PO250	Attain- ment	PO251	Attain- ment	PO252	Attain- ment	PO253	Attain- ment	PO254	Attain- ment	PO255	Attain- ment	PO256	Attain- ment	PO257	Attain- ment	PO258	Attain- ment	PO259	Attain- ment	PO260	Attain- ment	PO261	Attain- ment	PO262	Attain- ment	PO263	Attain- ment	PO264	Attain- ment	PO265	Attain- ment	PO266	Attain- ment	PO267	Attain- ment	PO268	Attain- ment	PO269	Attain- ment	PO270	Attain- ment	PO271	Attain- ment	PO272	Attain- ment	PO273	Attain- ment	PO274	Attain- ment	PO275	Attain- ment	PO276	Attain- ment	PO277	Attain- ment	PO278	Attain- ment	PO279	Attain- ment	PO280	Attain- ment	PO281	Attain- ment	PO282	Attain- ment	PO283	Attain- ment	PO284	Attain- ment	PO285	Attain- ment	PO286	Attain- ment	PO287	Attain- ment	PO288	Attain- ment	PO289	Attain- ment	PO290	Attain- ment	PO291	Attain- ment	PO292	Attain- ment	PO293	Attain- ment	PO294	Attain- ment	PO295	Attain- ment	PO296	Attain- ment	PO297	Attain- ment	PO298	Attain- ment	PO299	Attain- ment	PO300	Attain- ment	PO301	Attain- ment	PO302	Attain- ment	PO303	Attain- ment	PO304	Attain- ment	PO305	Attain- ment	PO306	Attain- ment	PO307	Attain- ment	PO308	Attain- ment	PO309	Attain- ment	PO310	Attain- ment	PO311	Attain- ment	PO312	Attain- ment	PO313	Attain- ment	PO314	Attain- ment	PO315	Attain- ment	PO316	Attain- ment	PO317	Attain- ment	PO318	Attain- ment	PO319	Attain- ment	PO320	Attain- ment	PO321	Attain- ment	PO322	Attain- ment	PO323	Attain- ment	PO324	Attain- ment	PO325	Attain- ment	PO326	Attain- ment	PO327	Attain- ment	PO328	Attain- ment	PO329	Attain- ment	PO330	Attain- ment	PO331	Attain- ment	PO332	Attain- ment	PO333	Attain- ment	PO334	Attain- ment	PO335	Attain- ment	PO336	Attain- ment	PO337	Attain- ment	PO338	Attain- ment	PO339	Attain- ment	PO340	Attain- ment	PO341	Attain- ment	PO342	Attain- ment	PO343	Attain- ment	PO344	Attain- ment	PO345	Attain- ment	PO346	Attain- ment	PO347	Attain- ment	PO348	Attain- ment	PO349	Attain- ment	PO350	Attain- ment	PO351	Attain- ment	PO352	Attain- ment	PO353	Attain- ment	PO354	Attain- ment	PO355	Attain- ment	PO356	Attain- ment	PO357	Attain- ment	PO358	Attain- ment	PO359	Attain- ment	PO360	Attain- ment	PO361	Attain- ment	PO362	Attain- ment	PO363	Attain- ment	PO364	Attain- ment	PO365	Attain- ment	PO366	Attain- ment	PO367	Attain- ment	PO368	Attain- ment	PO369	Attain- ment	PO370	Attain- ment	PO371	Attain- ment	PO372	Attain- ment	PO373	Attain- ment	PO374	Attain- ment	PO375	Attain- ment	PO376	Attain- ment	PO377	Attain- ment	PO378	Attain- ment	PO379	Attain- ment	PO380	Attain- ment	PO381	Attain- ment	PO382	Attain- ment	PO383	Attain- ment	PO384	Attain- ment	PO385	Attain- ment	PO386	Attain- ment	PO387	Attain- ment	PO388	Attain- ment	PO389	Attain- ment	PO390	Attain- ment	PO391	Attain- ment	PO392	Attain- ment	PO393	Attain- ment	PO394	Attain- ment	PO395	Attain- ment	PO396	Attain- ment	PO397	Attain- ment	PO398	Attain- ment	PO399	Attain- ment	PO400	Attain- ment	PO401	Attain- ment	PO402	Attain- ment	PO403	Attain- ment	PO404	Attain- ment	PO405	Attain- ment	PO406	Attain- ment	PO407	Attain- ment	PO408	Attain- ment	PO409	Attain- ment	PO410	Attain- ment	PO411	Attain- ment	PO412	Attain- ment	PO413	Attain- ment	PO414	Attain- ment	PO415	Attain- ment	PO416	Attain- ment	PO417	Attain- ment	PO418	Attain- ment	PO419	Attain- ment	PO420	Attain- ment	PO421	Attain- ment	PO422	Attain- ment	PO423	Attain- ment	PO424	Attain- ment	PO425	Attain- ment	PO426	Attain- ment	PO427	Attain- ment	PO428	Attain- ment	PO429	Attain- ment	PO430	Attain- ment	PO431	Attain- ment	PO432	Attain- ment	PO433	Attain- ment	PO434	Attain- ment	PO435	Attain- ment	PO436	Attain- ment	PO437	Attain- ment	PO438	Attain- ment	PO439	Attain- ment	PO440	Attain- ment	PO441	Attain- ment	PO442	Attain- ment	PO443	Attain- ment	PO444	Attain- ment	PO445	Attain- ment	PO446	Attain- ment	PO447	Attain- ment	PO448	Attain- ment	PO449	Attain- ment	PO450	Attain- ment	PO451	Attain- ment	PO452	Attain- ment	PO453	Attain- ment	PO454	Attain- ment	PO455	Attain- ment	PO456	Attain- ment	PO457	Attain- ment	PO458	Attain- ment	PO459	Attain- ment	PO460	Attain- ment	PO461	Attain- ment	PO462	Attain- ment	PO463	Attain- ment	PO464	Attain- ment	PO465	Attain- ment	PO466	Attain- ment	PO467	Attain- ment	PO468	Attain- ment	PO469	Attain- ment	PO470	Attain- ment	PO471	Attain- ment	PO472	Attain- ment	PO473	Attain- ment	PO474	Attain- ment	PO475	Attain- ment	PO476	Attain- ment	PO477	Attain- ment	PO478	Attain- ment	PO479	Attain- ment	PO480	Attain- ment	PO481	Attain- ment	PO482	Attain- ment	PO483	Attain- ment	PO484	Attain- ment	PO485	Attain- ment	PO486	Attain- ment	PO487	Attain- ment	PO488	Attain- ment	PO489	Attain- ment	PO490	Attain- ment	PO491	Attain- ment	PO492	Attain- ment	PO493	Attain- ment	PO494	Attain- ment	PO495	Attain- ment	PO496	Attain- ment	PO497	Attain- ment	PO498	Attain- ment	PO499	Attain- ment	PO500	Attain- ment	PO501	Attain- ment	PO502	Attain- ment	PO503	Attain- ment	PO504	Attain- ment	PO505	Attain- ment	PO506	Attain- ment	PO507	Attain- ment	PO508	Attain- ment	PO509	Attain- ment	PO510	Attain- ment	PO511	Attain- ment	PO512	Attain- ment	PO513	Attain- ment	PO514	Attain- ment	PO515	Attain- ment	PO516	Attain- ment	PO517	Attain- ment	PO518	Attain- ment	PO519	Attain- ment	PO520	Attain- ment	PO521	Attain- ment	PO522	Attain- ment	PO523	Attain- ment	PO524	Attain- ment	PO525	Attain- ment	PO526	Attain- ment	PO527	Attain- ment	PO528	Attain- ment	PO529	Attain- ment	PO530	Attain- ment	PO531	Attain- ment	PO532	Attain- ment	PO533	Attain- ment	PO534	Attain- ment	PO535	Attain- ment	PO536	Attain- ment	PO537	Attain- ment	PO538	Attain- ment	PO539	Attain- ment	PO540	Attain- ment	PO541	Attain- ment	PO542	Attain- ment	PO543	Attain- ment	PO544	Attain- ment	PO545	Attain- ment	PO546	Attain- ment	PO547	Attain- ment	PO548	Attain- ment	PO549	Attain- ment	PO550	Attain- ment	PO551	Attain- ment	PO552	Attain- ment	PO553	Attain- ment	PO554	Attain- ment	PO555	Attain- ment	PO556	Attain- ment	PO557	Attain- ment	PO558	Attain- ment	PO559	Attain- ment	PO560	Attain- ment	PO561	Attain- ment	PO562	Attain- ment	PO563	Attain- ment	PO564	Attain- ment	PO565	Attain- ment	PO566	Attain- ment	PO567	Attain- ment	PO568	Attain- ment	PO569	Attain- ment	PO570	Attain- ment	PO571	Attain- ment	PO572	Attain- ment	PO573	Attain- ment	PO574	Attain- ment	PO575	Attain- ment	PO576	Attain- ment	PO577	Attain- ment	PO578	Attain- ment	PO579	Attain- ment	PO580	Attain-



AJEENKYA
DY Patil School of Engineering

“Empowerment through quality technical education”
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of E&TC Engineering

Dr. D.

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2022-23

Subject: Research Methodology

Class:ME- I

Semester:01

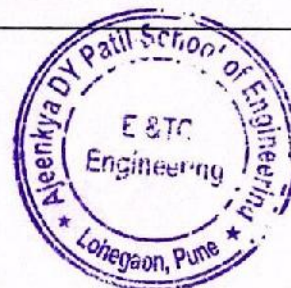
Name of Subject Teacher: Dr. Saniya Ansari

CO No.	BT level	Students will be able to
CO-1	3-Apply	Outline research problem, its scope, objectives and errors
CO-2	2- Understand	Understand basic instrumentation schemes and its data collection methods
CO-3	3-Apply	Learn various statistical techniques
CO-4	3-Apply	Develop model and can predict the performance of experimental system
CO-5	2- Understand	Write research proposals of their own domain
CO-6		

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Saniya
Dr. Saniya Ansari
Subject Teacher



Sharan
Dr. Sharan namdar
HoD

Principal
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester: 01

Subject: Research Methodology

Class: ME-I Div:

Name of Subject Teacher: Dr. Saniya Ansari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	3-Apply	3	2	3	2	2								3	3	3
CO-2	2- Understand	2	3	2			1	1						2	2	3
CO-3	3-Apply	3	2											3	3	
CO-4	3-Apply	3	3											2	2	
CO-5	2- Understand	3	3											3	2	
CO-6	0															
Average		2.80	2.60	2.50	2.00	2.00	1.00	1.00	-	-	-	-	-	2.60	2.40	3.00
Rounded off		3	3	3	2	2	1	1						3	3	3

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Saniya
Dr. Saniya Ansari
Subject Teacher



Saniya
Dr. Sharan Inamdar
HoD

P
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Academic Year: 2022-23

Subject: Research Methodology

Name of Subject Teacher: Dr. Samiya Ansari

[illegible]


Sampa
 Ty. Sampa Anson
 Subject Teacher



Sampson
Director of Administration




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune


 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon. Pune – 412 105. Department of E&TC Engineering	Dr. D.
--	--	--------

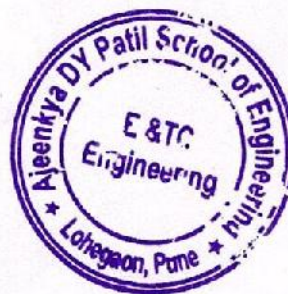
Course Outcomes (COs):		Form No. IQAC/36
Academic Year.:2022-23		Semester:01
Subject: WSN		Class:ME- I
Name of Subject Teacher: Prof. Kalpita Mane		Div:
CO No.	BT level	Students will be able to
CO-1	2- Understand	To understand basic WSN Technology and its supporting Protocols
CO-2	3-Apply	To learn routing protocols and their design issues in WSN
CO-3	3-Apply	To understand sensor- management, sensor- network middle ware and operating systems
CO-4	2-Understand	To understand WSN layers' issues and their protocols
CO-5		
CO-6		


In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"





Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

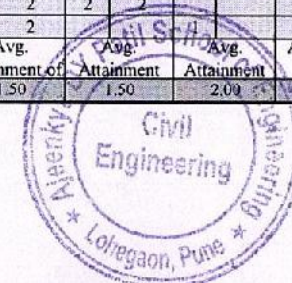
		<p align="center">"Empowerment through quality technical education"</p> <p align="center">AJEENKYA DY PATIL SCHOOL OF ENGINEERING</p> <p align="center">Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.</p> <p align="center">Department of E&TC Engineering</p>														
CO-PO-PSO Mapping												Form No. IQAC/36				
Academic Year: 2022-23												Semester: 01				
Subject: WSN												Class: ME-I Div:				
Name of Subject Teacher: Prof. Kalpita Mane																
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	3	3	2	1	2								2	3	3
CO-2	3-Apply	2	2	3			1	1						2	3	
CO-3	3-Apply	3	3											2	2	
CO-4	2- Understand	3	2											3		2
CO-5	0															
CO-6	0															
Average		2.75	2.50	2.50	1.00	2.00	1.00	1.00	-	-	-	-	-	2.25	2.67	2.50
Rounded off		3	3	3	1	2	1	1						3	3	3
(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation																




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



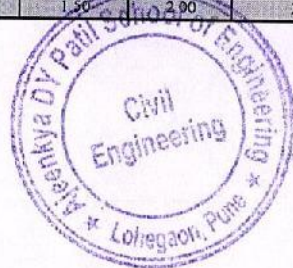
 AJEENKYA DY Patil School of Engineering		"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charkholi Bk., Via. Lohegaon, Pune – 412 105. CIVIL ENGINEERING DEPARTMENT																															
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
1	SE (A) BTAP	CO-1	1.56	2	2	3	2	2	2	1	1					2	2							2	2			2	2	1	1		
		CO-2	1.4	2	2	3	2	2	1			1	1																	3	2		
		CO-3	1.56	2	2	3	2			3	2	3	2													1	1	2	2	1	1	2	
		CO-4	1.56	2	2	3	2	2	2	2	2			2	2															3			
		CO-5	1.56	2	2	3	2		3	2	2	2	2			2	2									2			1	1	2	2	
		CO-6	1.08	2	2	3	2			3	2					1	1					2	1							2	1		
		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO-7		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO	
		2		2		1.8		1.66666667		2		1.66666667								1		2		1		2		1.25		2		1.66666667	
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
2	SE (A) MOS	CO-1	1.56	2	2	3	2	2	2	1	1					2	2							2	2			2	2	1	1		
		CO-2	1.4	2	1	1	1	2	1			1	1						1														
		CO-3	1.56	2	2	3	2		3					2						2													
		CO-4	1.56	2	2	2	2	2	3					2	2			3	2			2	2			1				3			
		CO-5	1.56	2				2	2	2	2	3	2			2	2				1									1			
		CO-6	1.08	2	2	3	2			3	2			1						1	1	2	1							2			
		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO-7		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO	
		1.75		1.75		2.20		1.50		1.50		2.00		2.00		1.67		1.00		2.00		2.00		2.00		2.00		2.00		1.00		1.00	
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
3	SE (A) PM	CO-1	3	2	3	3	3			1	1					2	2											2	2	1	1		
		CO-2	2.84	2	1	1	1	2	2			1	1												2								
		CO-3	3	2	3	3	3		3					2									1										
		CO-4	3	2	2	2	2	2	3					2	2							2	2			1				3			
		CO-5	3	2				2	2			3	3			2	2				1				2					1		1	1
		CO-6	2.52	2	2	3	2			3	3			1						1	1	2	2			2	2			2			
		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO-7		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO	
		2.25		2.25		2.50		1.00		2.00		2.00		2.00		2.00		1.00		2.00		2.00		2.00		2.00		2.00		1.00		1.00	
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
4	SE (A) FM	CO-1	1.56	3	2	2	2	1	1					2	2							2	2			2	2	1	1			1	1
		CO-2	1.4	3	2	2	1			1	1					2	1			3	2					2	2	3	2				
		CO-3	1.56	3	2					3	2							2	2					1	1	2	2	1	1			2	2
		CO-4	1.56	3	2	2	2	2	2			2	2			3	2			2	2							3	2	2	2		
		CO-5	1.56	3	2			2	2	2	2			2	2									2	2	2	2	1	1				
		CO-6	1.08	3	2			3	2					1	1					2	1							2	1			3	2
		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO-7		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO	
		2		1.67		1.75		1.67		2		1.67		2		1.5		2		1.67		2		1.5		2		1.33		2		1.67	
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
5	SE (A) MIII	CO-1	1.56	2	2	3	2	2	2	1	1					2	2							2	2			2	2	1	1		
		CO-2	1.4	2	1	1	1	2	1			1	1									3	2					2	2	3	2		
		CO-3	1.56	2	2	2	2		3																			2	2	1			
		CO-4	1.56	2	2	2	2	2	2					2	2			3	2			2	2					2	2	1			
		CO-5	1.56	2	2			2	2	2	2	2	2			2	2				1				1	2	2	2	2	1	1		
		CO-6	1.08	2	2	2	2			3	2									1	1	2	1					2	1				
		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO-7		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO		Avg. Attainment of PO	
		1.75		1.5		2.00		1.50		1.50		2.00		2.00		2.00		2.00		1.00		2.00		1.67		2.00		2.00		1.33		1.67	



Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

HOD
 Civil Engineering
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainm	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
6	SE (A) EG	CO-1	3	2	2	2	2	2	2	1	1					2	2							2	2			2	2	1	1			
		CO-2	2.84	2	1	1	1	2	2			1	1										3	3					3	3				
		CO-3	3	2	2	2	2		3																					1				
		CO-4	3	2	2	2	2	2	2						2	2			3	3			2	2						3				
		CO-5	3	2					2	2	2	2					2	2				1								1				
		CO-6	2.52	2	2	3	2			3	3				1							1	1	2	2						2			
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			1.75		1.75		2.25		1.50		1.50		2.00		2.00		3.00		1.00		2.50		2.00				2.00		2.00		2.00			
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainm	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
7	SE (A) GTE	CO-1	1.56	2	2	3	2	1	1					2	2	3	2							1	1	2	2	1	1			2	2	
		CO-2	1.56	3	2	2	2	3	2	2	2			1	1	2	2							1	1	1	1	3	2			1	1	
		CO-3	1.08	2	1	3	2	1	1	2	1	1	1											2	1			2	1			2	1	
		CO-4	1.08	3	2			2	1	2	1	1	1	1	1	2	1							1	1	1	1	2	1			2	1	
		CO-5	1.56	2	2			2	2			1	1			2	2									2	2	1	1	2	2			
		CO-6	1.56	1	1			2	2	2	2				2	1	1									1	1	2	2			1	1	
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			1.67		2		1.5		1.5		1		1.5		1.6		1		1.4		1.33		2		1.2									
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainm	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
8	SE (A) SURVEY	CO-1		3	2	2	2	1	1					2	2							2	2			2	2	1	1			1	1	
		CO-2		2	2	2	1			1	1					2	1				3	2					3	2						
		CO-3		2	2	3				3	2															2	2	1	1			2	2	
		CO-4		3	2	2	2	2	2	3		2	2			3	2			2	2							3	2	2	2			
		CO-5		3	2	1		2	2	2	2				2	2									2	2	2	2	1	1				
		CO-6		3	2			3	2						1	1					2	1					2	1			3	2		
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			2		1.67		1.75		1.67		2		1.67		1.5		2		1.67		2		1.5		2		1.33		2		1.67			
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainm	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
9	SE (A) CT	CO-1	3	2	2	3	3	2	2	1	1					2	2							2	2			2	2	1	1			
		CO-2	2.84	2	1	3	3	2	2			1	1																	3	3			
		CO-3	3	2	2	3	3			3																								
		CO-4	3	2	2			2																			1	1			1		2	
		CO-5	3	2					3			2	2			2	2													3				
		CO-6	2.52	2	2	3	3		3	3						1	1		2		1	2	2			2				1	1	2	2	
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			1.75		3.00		2.33		1.00		1.50		2.00		2.00		2.00		2.00		2.00		2.00		1.00		2.00		1.67		2.00			
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainm	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
10	SE (A) SA	CO-1	2.04	2	2	2	2	2	2	1	1					2	2												2	2	1	1		
		CO-2	1.88	2	1	1	1	2	2			1	1											2	2			2	2	1	1			
		CO-3	2.04	2	2	2	2		3						2																			
		CO-4	2.04	2	2	2	2	2	2						2	2																		
		CO-5	2.04	2					2	2	2	2							3	3			2	2			1				3			
		CO-6	1.56	2	2	3	2		3	2					1						1	1	2	2							2			
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			1.75		1.75		2.25		1.50		1.50		2.00		2.00		3.00		1.00		2.00		2.00		2.00		2.00		1.00					



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

HOD
Civil Engineering
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	tainme	PO2	tainme	PO3	ainm	PO4	tainme	PO5	tainme	PO6	tainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	tainme	PO11	tainme	PO12	tainme	PSO	tainme	PSO2	ainm	PSO3	ainm																														
1	TE A HWRE	CO-1	2.52	3	3	2	2	1	1					2	2							2	2			2	2	1	1	1	1																																
		CO-2	2.36	3	3	2	2			1	1					2	2					3	3					3	3	3	3																																
		CO-3	2.52	3	3						3	3							2	2					1	1	2	2	1	1	1		2																														
		CO-4	2.52	3	3	2	2			2	2		2	2			3	3				2	2					3	3	3																																	
		CO-5	2.52	3	3					2	2	2	2		2	2						2	2																																								
		CO-6	2.04	3	3					3	3					1	1						2	2			2	2	1	1	1	1	2	2																													
				: Attainment of F				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of																															
				3.00				2.00				2.00				2.00				2.00				1.67				2.50				2.00				2.33				2.00				1.50				2.00				1.83				1.67				2.00			
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	tainme	PO2	tainme	PO3	ainm	PO4	tainme	PO5	tainme	PO6	tainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	tainme	PO11	tainme	PO12	tainme	PSO	tainme	PSO2	ainm	PSO3	ainm																														
2	TE A DSS	CO-1	3	2	3	3	3	2	2	1	1					2	2									1	1			1	1																																
		CO-2	2.84	2	3	3	3	2	2			1	1																	3	3																																
		CO-3	3	2	3	3	3				3					1									2			3	1			2																															
		CO-4	3	2	2	2	2	2				2			2	2				2							1	1		2	3																																
		CO-5	3	2	3	1	3			3			2	2			2	2								2				1	1	2	2																														
		CO-6	2.52	2	3	3	3	2	2	3	3						1	1		2		1	2	2						2	2																																
				: Attainment of F				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of																											
				2.80				2.80				2.33				1.50				1.50				1.50				2.00				2.00				2.00				2.00				1.00				2.00				1.67				2.00							
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	tainme	PO2	tainme	PO3	ainm	PO4	tainme	PO5	tainme	PO6	tainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	tainme	PO11	tainme	PO12	tainme	PSO	tainme	PSO2	ainm	PSO3	ainm																														
3	TE A EEFM	CO-1	2.52	3	2	3	3	3	2	2	1	1															1	1			1	1																															
		CO-2	2.36	2.84	2	3	3	3	3	2	2																																																				
		CO-3	2.52	3	2	3	3	3				3																			3	3																															
		CO-4	2.52	3	2	2	2	2	2				2														2				3	1		2																													
		CO-5	2.52	3	2	3	1	3		3																					3																																
		CO-6	2.04	2.52	2	3	3	3	2	2	3	3																2			1	1	2	2																													
				: Attainment of F				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of																											
				2				1.67				1.75				1.67				2				1.67				1.5				2				1.67				2				1.5				2				1.33				1.67				2.00			
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	tainme	PO2	tainme	PO3	ainm	PO4	tainme	PO5	tainme	PO6	tainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	tainme	PO11	tainme	PO12	tainme	PSO	tainme	PSO2	ainm	PSO3	ainm																														
4	TE A CM	CO-1	2.52	3	2	2	2	1	1					2	2							2	2			2	2	1	1	1	1																																
		CO-2	2.36	3	2	2	1				1	1					2	1				3	2					3	2	3	3																																
		CO-3	2.52	3	2						3	2																																																			
		CO-4	2.52	3	2	2	2	2	2				2	2			3	2							1	1	2	2	1	1	1		2																														
		CO-5	2.52	3	2				2	2	2	2			2	2														3	2	3																															
		CO-6	2.04	3	2				3	2					1	1							2	1					2	1	2	2																															
				: Attainment of F				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of																											
				2				1.67				1.75				1.67				2				1.67				1.5				2				1.67				2				1.5				2				1.33				1.67				2.00			
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	tainme	PO2	tainme	PO3	ainm	PO4	tainme	PO5	tainme	PO6	tainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	tainme	PO11	tainme	PO12	tainme	PSO	tainme	PSO2	ainm	PSO3	ainm																														
5	TE A ACT	CO-1	3	2	2	2	1	1					2	2								2	2			2	2	1	1		1	1																															
		CO-2	3	2	2	1				1	1					2	1				3	2							3	2	3	3																															
		CO-3	3	2						3	2							2	2																																												
		CO-4	3	2	2	2	2	2			2	2			3	2								1	1	2	2	1	1		1		2																														
		CO-5	3	2				2	2	2	2			2	2														3	2	2	3																															
		CO-6	3	2				3	2					1	1					2	1																																										
				: Attainment of F				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of				Attainment of																											
				2				1.67				1.75				1.67				2				1.67				1.5				2				1.67				2				1.5				2				1.33				1.67				2.00			

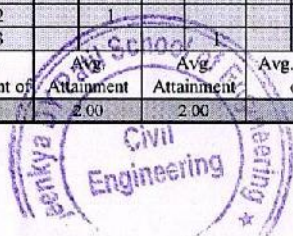
Sr. No.	ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	ttainme	PO11	tainme	PO12	tainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
6	TE A WWE	CO-1	3	2	3	3	3	2	2	1	1						1			3						1	1			1	1			
		CO-2	2.84	2	3	3	3	2	2				1											2			1			3	3			
		CO-3	3	2	3	3	3				3				1		2	2							2			3		1		2		
		CO-4	3	2	2	2	2	2			2									3								2	3					
		CO-5	3	2	3	1	3			3				1				3					2						2	3				
		CO-6	2.52	2	3	3	3	2	2	3	3					1							1				2				1	1	2	2
			Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of			
			2.80		2.80		2.33		1.50		1.00				2.00		3.00						2.00		1.00		2.00		1.67		2.00			
Sr. No.	ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	ttainme	PO11	tainme	PO12	tainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
7	TE A DRCS	CO-1	3	2	3	3	3	2	2	1	1					2	2									1	1			1	1			
		CO-2	2.84	2	3	3	3	2	2				1	1																3	3			
		CO-3	3	2	3	3	3				3					1									2			3		1		2		
		CO-4	3	2	2	2	2	2			2				2	2					2							1	1		2	3		
		CO-5	3	2	3	1	3			3			2	2				2	2								2				1	1	2	2
		CO-6	2.52	2	3	3	3	2	2	3	3						1	1			2		1	2	2						2	2		
			Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of			
			2.80		2.80		2.33		1.50		1.50		1.50		2.00		2.00						2.00		1.00		2.00		1.67		2.00			
Sr. No.	ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	ttainme	PO11	tainme	PO12	tainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
8	TE A RSGIS	CO-1	3	2	3	3	3	2	2	1	1						1			3							1	1			1	1		
		CO-2	2.84	2					2	2				1		2									2						3	3		
		CO-3	3	2	3	3	3				3				1		2	2					3					3		1		2		
		CO-4	3	2	2		2	2			2					3					3									2	3			
		CO-5	3	2	2	1	2			3				1				3													2	3		
		CO-6	2.52	2	3	3	3	2	2	3	3						1						1		2	2	2					2	2	
			Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of		Attainment of			
			2.50		2.50		2.33		1.50		1.00		2.50		2.00		3.00						2.00		1.00		2.00		1.67		2.00			
Sr. No.	ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	ttainme	PO11	tainme	PO12	tainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
9	TE A SWM	CO-1	3	2	3	3	3	2	2	1	1						1			3							1	1			1	1		
		CO-2	2.84	2	2	2	2	2	2				1		2									2							3	3		
		CO-3	3	2	3	3	3				3				1		2	2					3					3		1		2		
		CO-4	3	2	2	2	2	2			2			2		3					3									2	3			
		CO-5	3	2	2	1	2			3				1				3				2	2	2							1	1	2	2
		CO-6	2.52	2	3	3	3	2	2	3	3						1						1		2	2	2					2	2	
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			2.50		2.25		2.00		1.33		2.00		2.00		3.00		1.75		2.00		2.00		1.00		2.00		2.00		1.67		2.00			
Sr. No.	Class (Div) & Subject	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainm	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	tainme	PO9	tainm	PO10	ttainme	PO11	tainme	PO12	tainme	PSO	ttainm	PSO2	ainm	PSO3	ainm	
1	BE A FE	CO-1	80			3	81.87	3	94	3	100	3	3	84	3	3	3	3																
		CO-2	60			3	81.87	3	94	3	100	3	3	91	3	3	3	3	2	2	1	1	1	1										
		CO-3		71.43		3	81.87	3	94	3	100	3	3	87	3	3	3	3	2	2	1	1	1	1										
		CO-4		85.71		3	81.87	3	94	3	100	3	3	93	3	3	3	3	2	2	1	1	1	1										
		CO-5			80	3	81.87	3	94	3	100	3	3	84	3	3	3	3																
		CO-6			87.5	3	81.87	3	94	3	100	3	3	89	3	3	3	3																
			Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of PO-7		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of			
			2.50		2.25		2.00		1.33		2.00		2.00		3.00		1.75		2.00		2.00		1.00		2.00		2.00		2.00		2.00			



(Signature)
Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

(Signature)
HOD
Civil Engineering
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainn	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainme	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainme	PSO2	ttainme	PSO3	ttainme	
2	BE A IWRPM	CO-1	2	2	2			2	2	1	1	1	1			1	1			1	1			2	2	2	2	1	1					
		CO-2	2	3	3	2	2	2	2					2	2	2	2									2	2	2	2			2	2	
		CO-3	2						2	2				2	2									2	2	2	2	2	2					
		CO-4	1.5	1	1	2	2	2	2	2	2	2	2	2	2	2	2				2	2					2	2	1	1				
		CO-5	1.8									1	1			2	2										3	3	2	2	2	2		
		CO-6	2	3	3							3	3	2	2	2	2							2	2	2	2	3	3			3	3	
				Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		
				2.00		2.00		2.00		1.50		1.50		2.00		1.75		1.50		2.00		2.00		2.20		1.60		2.00		2.00		2.00		
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainn	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainme	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainme	PSO2	ttainme	PSO3	ttainme	
3	BE APC	CO-1	3	1	1	2	2	3	3							3	3									2	2			2	2			
		CO-2	3	3	3	2	2	2	2							2	2									1	1							
		CO-3	2.52						2	2					3	3	3	3												3	3			
		CO-4	2.84	3	3			2	2	2	2	1	1	1	1	2	2											3	3					
		CO-5	2.84								3	3	2	2			2	2									3	3			3	3		
		CO-6	3													3	3										3	3			1	1	3	3
				Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		
				2.33		2		2.25		2.5		1.5		2		2.5										2		3		2.25		3		
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainn	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainme	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainme	PSO2	ttainme	PSO3	ttainme	
4	BE A HON	CO-1	3											3	3			3	3															
		CO-2	3											3	3	2	2																	
		CO-3	2.52						2	2			2	2	3	3	3	3												2	2			
		CO-4	2.52														3	3																
		CO-5	3						2	2			2	2			2	2																
		CO-6	3													3	3													2	2			
				Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		
								2		2		3		2.6		3														2				
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainn	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainme	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainme	PSO2	ttainme	PSO3	ttainme	
5	BE A DHS	CO-1	3	2	3	3	3	2	2	1	1						1			3						1	1		2	1	1			
		CO-2	2.84	2	2	2	2	2	2				1		2				2		2			2					3	3				
		CO-3	3	2	3	3	3			3					1		2	2	2	2	2	3						3						
		CO-4	3	2	3	2	3	2			2		2		3				2	3		2							2	3				
		CO-5	3	2	3	1	3			3	2		1				3				2	2	2				2		2	1			1	
		CO-6	2.52	2	3	3	3	2	2	3	3					1				2		1		2	2	2			2	2	2			
				Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		
				2.80		2.80		2.33		1.67		1.33		2.50		2.00		2.50		2.00				2.00		1.00		2.00		2.00		1.00		
Sr. No.	Ass (Div) & Subj	CO No.	O Attainme	PO1	ttainme	PO2	ttainme	PO3	ainn	PO4	ttainme	PO5	ttainme	PO6	ttainme	PO7	Attainment	PO8	ttainme	PO9	ttainme	PO10	ttainme	PO11	ttainme	PO12	ttainme	PSO	ttainme	PSO2	ttainme	PSO3	ttainme	
6	BE A QSCT	CO-1	3	2		3		2	2	1	1						1			3						1	1		2					
		CO-2	2.84	2				2	2				1		2						2			2										
		CO-3	3	2							3				1		2				2		3						3					
		CO-4	3	2					2			2		2	3						2								2					
		CO-5	3	2		1				3	2		1					3			2	2	2				2		2	1			1	
		CO-6	2.52	2	2	3	2	2	2	3	3									2		1		2	2	2			2	2				
				Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		Avg. Attainment of		
				2		2		2.00		1.33		2.00		2.00		2.00		1.75		2.00		2.00		1.00		2.00		1.00		2.00		2.00		



Principal
Ajeenkya DY Patil School of

HOD
Ajeenkya DY Patil School of Engineering
Lohgaon, Pune



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City,
 Charholi (Bk), Lohegaon, Pune - 412 105
 Website: <https://dypsoe.in/>

Department of Electronics and Telecommunication Engineering

Form No. IQAC/36

A.Y 2020-21 Semester-I

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
1	SE (A)-DS	CO-1	D9:AE	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00																	3.00	3.00				
		CO-2	3.00	1.00	1.00	2.00	2.00				1.00																	2.00	2.00				
		CO-3	3.00	2.00	2.00																							2.00	2.00				
		CO-4	3.00			2.00	2.00				1.00	1.00																2.00	2.00				
		CO-5	3.00	1.00	1.00				1.00	1.00	1.00	1.00																		2.00	2.00	2.00	2.00
		CO-6	3.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00																	1.00	1.00	1.00	1.00	1.00	1.00
				Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment	
		1.60		1.50		1.33		1.00		1.00																	2.00		2.00		2.00		

2	SE (A)-Electronic Ckt	CO-1	3.00	2.00	2.00	3.00	3.00				1.00	1.00												1.00	1.00	2.00		1.00	1.00	3.00	3.00		
		CO-2	3.00	3.00	3.00	2.00	2.00							1.00	1.00											1.00		1.00	1.00	3.00	3.00		
		CO-3	3.00	3.00	3.00	2.00	2.00	2.00	2.00																			3.00	3.00	2.00	2.00		
		CO-4	3.00	2.00	2.00	3.00	3.00					2.00	2.00																	2.00	2.00		
		CO-5	3.00	3.00	3.00	3.00	3.00	3.00	3.00				2.00	2.00																1.00	1.00		
		CO-6	3.00	2.00	2.00	3.00	3.00					1.00	1.00																	2.00	2.00		
				Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment	
		3.00		3.00		3.00		2.00		1.00															1.00		1.33		2.00		3.00		

3	SE (A)-Electric Ckt	CO-1	3.00	3.00	3.00	2.00	2.00			1.00	1.00													1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
		CO-2	3.00	3.00	3.00	3.00	3.00			1.00	1.00			1.00	1.00													2.00	2.00	1.00	1.00	1.00	1.00
		CO-3	3.00	3.00	3.00	3.00	3.00					1.00	1.00																			1.00	1.00
		CO-4	3.00	1.00	1.00	1.00	1.00							1.00	1.00	1.00	1.00															1.00	1.00
		CO-5	3.00	2.00	2.00	1.00	1.00							1.00	1.00	2.00	2.00															2.00	2.00
		CO-6	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00											2.00	2.00	1.00	1.00	1.00	1.00
				Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment	
		3.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		1.00		1.00		2.00		2.00		2.00		2.00		2.00			

4	SE (A)-Digital Ckt	CO-1	3.00	2.00	2.00	3.00	3.00					1.00	1.00												1.00	1.00	2.00	2.00	1.00	1.00	3.00		
		CO-2	3.00	3.00	3.00	2.00	2.00							1.00														1.00	1.00	1.00	1.00	3.00	
		CO-3	3.00	2.00	2.00	3.00	3.00	2.00	2.00				2.00	2.00																	3.00	3.00	
		CO-4	3.00	2.00	2.00	3.00	3.00						2.00	2.00																			
		CO-5	3.00	2.00	2.00	3.00	3.00					1.00	1.00																			1.00	
		CO-6	3.00			3.00	3.00																										
				Avg Attainment		3		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment	
		3.00		3.00		2.00		2.00		2.00		1.00														1.00		2.00		2.00		3.00	

5	SE (A)-M-III	CO-1	3.00	3.00	3.00																						2.00	2.00	1.00	1.00				
		CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00																2.00	2.00	1.00	1.00				
		CO-3	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00																	2.00	2.00	1.00	1.00			
		CO-4	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00																	2.00	2.00	1.00	1.00			
		CO-5	3.00	3.00	3.00																							2.00	2.00	1.00	1.00			
		CO-6	3.00	3.00	3.00																							2.00	2.00	1.00	1.00			
				Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		Avg Attainment		
		3.00		2.00		1.00		1.00																			2.00		1.00					

8	TE (A)-EMFT	CO-1	3.00	3.00	3.00	3.00	3.00	1.00	1.00	2.00	2.00																	2.00	2.00	3.00	3.00	3.00	3.00	
		CO-2	3.00	3.00	3.00	2.00	2.00	2.00	2.00					1.00	1.00	1.00	1.00											2.00	2.00	2.00	2.00			
		CO-3	3.00	3.00	3.00	2.00	2.00																						2.00	2.00				
		CO-4	3.00	2.00	2.00	2.00	2.00	1.00	1.00			1.00	1.00																1.00	1.00	2.00	2.00	1.00	1.00
		CO-5	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00											3.00	3.00	3.00	3.00	2.00	2.00	
		CO-6	3.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00				1.00	1.00	1.00	1.00											3.00	3.00	2.00	2.00	2.00	2.00



Principal
 Dr. D. Y. Patil School of Engineering, Lohegaon, Pune



Principal
Ajeenkya DY Patil School of
Engineering, Lohgaon, Pune

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1 Attainment	PO2 Attainment	PO3 Attainment	PO4 Attainment	PO5 Attainment	PO6 Attainment	PO7 Attainment	PO8 Attainment	PO9 Attainment	PO10 Attainment	PO11 Attainment	PO12 Attainment	PSO1 Attainment	PSO2 Attainment	PSO3 Attainment
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment
9	TE (A)-DC	CO-1	3.00	3.00	3.00	1.00	1.00										3.00	3.00
		CO-2	3.00			3.00	3.00										3.00	3.00
		CO-3	3.00			3.00	3.00										3.00	3.00
		CO-4	3.00					3.00	3.00								2.00	2.00
		CO-5	3.00	1.00	1.00	3.00	3.00										3.00	3.00
		CO-6	3.00	3.00	3.00	2.00	2.00										3.00	3.00
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment
		3.00	3.00			3.00									3.00	3.00		
10	TE (B)-DC	CO-1	3.00	3.00	3.00	1.00	1.00										3.00	3.00
		CO-2	3.00			3.00	3.00										3.00	3.00
		CO-3	3.00			3.00	3.00										3.00	3.00
		CO-4	3.00					3.00	3.00								2.00	2.00
		CO-5	3.00	1.00	1.00	3.00	3.00										3.00	3.00
		CO-6	3.00	3.00	3.00	2.00	2.00										3.00	3.00
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment
		3.00	3.00			3.00									3.00	3.00		
11	TE (A)-MC	CO-1	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00							3.00	3.00
		CO-2	3.00	2.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00				1.00	1.00	3.00	3.00
		CO-3	3.00			3.00	3.00	3.00	3.00								3.00	3.00
		CO-4	3.00			3.00	3.00	2.00	2.00						2.00	2.00	1.00	1.00
		CO-5	3.00					3.00	3.00	2.00	2.00				2.00	2.00	2.00	2.00
		CO-6	3.00					3.00	3.00	2.00	2.00				2.00	2.00	1.00	1.00
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment
		3.00	3.00	3.00	2.00								2.00	1.00	3.00	3.00	2.00	
12	TE (B)-MC	CO-1	3.00	3.00	3.00			1.00	1.00			2.00	2.00	3.00	3.00		1.00	1.00
		CO-2	3.00	3.00	3.00	2.00	2.00				1.00	1.00	2.00	2.00		1.00	1.00	
		CO-3	2.52	3.00	3.00	3.00	3.00	1.00	1.00	2.00	2.00						1.00	1.00
		CO-4	2.52	3.00	3.00	2.00	2.00	2.00	2.00		1.00	1.00	1.00	1.00	2.00	2.00		
		CO-5	3.00	2.00	2.00										2.00	2.00	1.00	1.00
		CO-6	3.00	3.00	3.00			2.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	2.00	2.00
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment
		3.00	3.00	2.00	2.00	1.00	2.00	2.00					2.00	2.00	1.00	3.00		
13	TE (A)-CN	CO-1	3.00	3.00	3.00	2.00	2.00	2.00	2.00							1.00	1.00	2.00
		CO-2	3.00	1.00	1.00	2.00	2.00										2.00	2.00
		CO-3	3.00			2.00	2.00			2.00	2.00			1.00	1.00		2.00	2.00
		CO-4	3.00	3.00	3.00	2.00	2.00	2.00	2.00									
		CO-5	3.00					2.00	2.00					1.00	1.00		2.00	2.00
		CO-6	3.00	3.00	3.00	2.00	2.00	1.00	1.00								2.00	2.00
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment
		3.00	2.00	2.00	2.00	1.00					1.00		2.00	2.00	2.00	2.00	2.00	
14	TE (B)-CN	CO-1	3.00	3.00	3.00	2.00	2.00	2.00	2.00							1.00	1.00	2.00
		CO-2	3.00	1.00	1.00	2.00	2.00										2.00	2.00
		CO-3	2.52			2.00	2.00			2.00	2.00			1.00	1.00		2.00	2.00
		CO-4	2.52	3.00	3.00	2.00	2.00	2.00	2.00								2.00	2.00
		CO-5	3.00					2.00	2.00					1.00	1.00		2.00	2.00
		CO-6	3.00	3.00	3.00	2.00	2.00	1.00	1.00								2.00	2.00
				Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment	Avg. Attainment

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment	
				3.00		2.00		2.00		2.00		1.00		1.33										2.00		2.00		2.00		2.00		2.00	

15	TE (A)-DBMS	CO-1	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
----	-------------	------	------	------	------	------	------	------	------	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

16	TE (B)-DBMS	CO-1	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
----	-------------	------	------	------	------	------	------	------	------	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

17	BE (A)- RMT	CO-1	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
----	----------------	------	------	------	------	------	------	------	------	------	------	------	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

18	BE (A)- VLSI	CO-1	3.00	2.00	2.00	2.00	2.00	2.00					1.00	1.00														3.00	3.00			2.00		
		CO-2	3.00	3.00	3.00	2.00	2.00	2.00	2.00	1.00	1.00			1.00	1.00					1.00	1.00							2.00	2.00					
		CO-3	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00										1.00	1.00	1.00	1.00			3.00			
		CO-4	3.00	3.00	3.00	2.00	2.00	2.00	2.00			1.00	1.00	1.00	1.00	2.00	2.00									1.00	1.00	2.00	2.00					
		CO-5	3.00	2.00	2.00	3.00	3.00	3.00	3.00	2.00	2.00															1.00	1.00							
		CO-6	3.00	3.00	3.00			2.00	2.00																				2.00	2.00			1.00	

19	BE (A)- Cloud Computi ng	CO-1	3.00	3.00	3.00			3.00	3.00					2.00	2.00	3.00	3.00										2.00						
		CO-2	3.00	3.00	3.00	3.00	3.00				2.00	2.00	3.00	3.00			2.00	2.00									2.00						
		CO-3	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00			3.00	3.00												
		CO-4	3.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00																
		CO-5	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00	2.00	2.00				2.00						
		CO-6	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00			2.00	2.00	3.00	3.00					2.00	2.00	1.00	1.00	2.00							

BE (B)	CO-1	3.00	3.00	3.00			3.00	3.00					2.00	2.00	3.00	3.00											2.00					
	CO-2	3.00	3.00	3.00	3.00	3.00			2.00	2.00	3.00	3.00			2.00	2.00											2.00					
	CO-3	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00			3.00	3.00												



Ajeenkya DY Patil School of Engineering, Lohgaon, Pune

Principal

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment			
20	Cloud Computing	CO-4	3.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	2.00	3.00	3.00	3.00	3.00	3.00	3.00																			
		CO-5	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00	2.00	2.00			2.00										
		CO-6	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00			2.00	2.00	3.00	3.00					2.00	2.00	1.00	1.00	2.00									
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment				
				3.00		2.50		2.33		2.50		3.00		1.50		2.00		1.50		2.40		2.00		3.00		1.20		2.00		2.75		2.33				
21	BE (A)-DIVP	CO-1	3.00	3.00	3.00	2.00	2.00			1.00	1.00																									
		CO-2	3.00	3.00	3.00	3.00	3.00			2.00	2.00	3.00	3.00																		1.00					
		CO-3	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	3.00	3.00																			3.00				
		CO-4	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	3.00	3.00																				3.00			
		CO-5	3.00	3.00	3.00	3.00	2.00	2.00			1.00	1.00	3.00	3.00																			3.00			
		CO-6	3.00	2.00	2.00	2.00	2.00						2.00	2.00																						
				Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		
				3.00		3.00		2.00		2.00		3.00																		2.00		3.00				
22	BE (B)-DIVP	CO-1	3.00	3.00	3.00	2.00	2.00			1.00	1.00																						1.00			
		CO-2	3.00	3.00	3.00	3.00	3.00			2.00	2.00	3.00	3.00																				3.00			
		CO-3	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	3.00	3.00																					3.00		
		CO-4	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	3.00	3.00																					3.00		
		CO-5	3.00	3.00	3.00	2.00	2.00			1.00	1.00	3.00	3.00																				3.00			
		CO-6	3.00	2.00	2.00	2.00	2.00						2.00	2.00																						
				Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		Avg.		
				3.00		3.00		2.00		2.00		3.00																		2.00		3.00				

Dr. S. M. Koli
HOD ENT

Head
Department of E&TC Engg.
Dr. D. Y. Patil School of Engg.
Charholi (Bk), Via Lohgaon, Pune



Principal
Ajeenkya DY Patil School of
Engineering, Lohgaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,

Charholi (Bk), Lohegaon, Pune - 412 105

Website: <https://dypsoe.in/>

Department of Electronics and Telecommunication Engineering

Form No. IQAC/36

AY 2020-21

Sem-II

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment	
1	SE (A)-CS	CO-1	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00													3.00	3.00					
		CO-2	3.00				2.00	2.00	2.00	2.00		1.00	1.00															2.00	2.00					
		CO-3	3.00	2.00	2.00	2.00	2.00				1.00	1.00																2.00	2.00					
		CO-4	3.00	2.00	2.00		1.00	1.00	2.00	2.00																		2.00	2.00	2.00	2.00			
		CO-5	3.00	2.00	2.00								2.00	2.00														2.00	2.00					
		CO-6	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00								1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00		
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment
		3.00		3.00		3.00		2.00		2.00		2.00		2.00		2.00									1.00		1.00		2.00		2.00			
2	SE (A)-PCS	CO-1	3.00	1.00	1.00	3.00	3.00																					2.00	2.00					
		CO-2	3.00					2.00	2.00																				1.00	1.00				
		CO-3	3.00	2.00	2.00																								1.00	1.00				
		CO-4	3.00							3.00	3.00																		1.00	1.00				
		CO-5	3.00			2.00	2.00					2.00	2.00																		1.00	1.00		
		CO-6	3.00	1.00	1.00			2.00	2.00	2.00	2.00																	2.00	2.00			1.00	1.00	
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
		2.00		3.00		2.00		3.00																			2.00		1.00		1.00			
3	SE (B)-PCS	CO-1	3.00	1.00	1.00	3.00	3.00																					2.00	2.00					
		CO-2	3.00					2.00	2.00																				1.00	1.00				
		CO-3	2.52	2.00	2.00																								1.00	1.00				
		CO-4	2.52							3.00	3.00																		1.00	1.00				
		CO-5	3.00			2.00	2.00					2.00	2.00																		1.00	1.00		
		CO-6	3.00	1.00	1.00			2.00	2.00	2.00	2.00																	2.00	2.00			1.00	1.00	
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
		2.00		3.00		2.00		3.00																			2.00		1.00		1.00			
4	TE (A)-NS	CO-1	3.00	3.00	3.00	3.00	3.00																					2.00	2.00					
		CO-2	3.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00																3.00	3.00		
		CO-3	2.52	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00																3.00	3.00		
		CO-4	2.52	3.00	3.00	3.00	3.00			1.00	1.00	2.00	2.00	2.00	2.00																3.00	3.00		
		CO-5	3.00	1.00	1.00	3.00	3.00																								2.00	2.00		
		CO-6	3.00	1.00	1.00	3.00	3.00	1.00	1.00																						2.00	2.00		
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
		3.00		3.00		1.00		1.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		3.00		3.00		
5	TE (B)-NS	CO-1	3.00	3.00	3.00	3.00	3.00																					2.00	2.00					
		CO-2	3.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00																3.00	3.00		
		CO-3	3.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00																3.00	3.00		
		CO-4	3.00	3.00	3.00	3.00	3.00			1.00	1.00	2.00	2.00	2.00	2.00																3.00	3.00		
		CO-5	3.00	1.00	1.00	3.00	3.00																								2.00	2.00		
		CO-6	3.00	1.00	1.00	3.00	3.00	1.00	1.00																						2.00	2.00		
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
		3.00		3.00		1.00		1.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		3.00		3.00		
	CO-1	3.00	3.00	3.00	3.00	2.00						1.00	1.00	1.00	1.00												1.00	1.00	3.00	3.00	2.00	2.00		



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment	
6	TE (A)-PM	CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00	3.00	3.00	2.00	2.00			2.00	2.00			1.00		1.00	1.00	2.00	2.00	2.00	2.00	
		CO-3	3.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00			1.00	1.00	3.00	3.00	2.00	2.00	1.00		3.00	3.00	1.00	1.00	1.00	1.00	
		CO-4	3.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00					1.00	1.00			1.00	1.00	1.00	1.00			1.00		2.00	2.00	1.00	1.00	2.00	2.00	
		CO-5	3.00	1.00	1.00	1.00	1.00							1.00	1.00	1.00	1.00					2.00	2.00					1.00	1.00	3.00	3.00	2.00	2.00	
		CO-6	3.00	1.00	1.00			1.00	1.00	1.00	1.00					1.00	1.00					1.00	1.00					1.00	1.00					
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
				2.00		2.00		2.00		2.00		1.00		2.00		2.00		2.00		1.00		2.00		2.00		1.00		2.00		2.00		2.00		
7	TE (B)-PM	CO-1	3.00	3.00	3.00	2.00	2.00							1.00	1.00	1.00	1.00					2.00	2.00					1.00	1.00	3.00	3.00	2.00	2.00	
		CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00	3.00	3.00	2.00	2.00			2.00	2.00			1.00		1.00	1.00	2.00	2.00	2.00	2.00	
		CO-3	2.52	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00			1.00	1.00	3.00	3.00	2.00	2.00	1.00		3.00	3.00	1.00	1.00	1.00	1.00	
		CO-4	2.52	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00					1.00	1.00			1.00	1.00	1.00	1.00			1.00		2.00	2.00	1.00	1.00	2.00	2.00	
		CO-5	3.00	1.00	1.00	1.00	1.00							1.00	1.00	1.00	1.00					2.00	2.00					1.00	1.00	3.00	3.00	2.00	2.00	
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
				2.00		2.00		2.00		2.00		1.00		2.00		2.00		2.00		1.00		2.00		2.00		1.00		2.00		2.00		2.00		
8	TE (A)-PDC	CO-1	3.00	3.00	3.00																					2.00	2.00	1.00	1.00					
		CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00															2.00	2.00	1.00	1.00			1.00	1.00	
		CO-3	2.52	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00																2.00	2.00	2.00	2.00				
		CO-4	2.52	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00																2.00	2.00	1.00	1.00	1.00	1.00		
		CO-5	3.00	1.00	1.00																						2.00	2.00	1.00	1.00				
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
				3.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		1.00	1.00		1.00	
9	TE (B)-PDC	CO-1	3.00	3.00	3.00																					2.00	2.00	1.00	1.00					
		CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	1.00	1.00															2.00	2.00	1.00	1.00			1.00	1.00	
		CO-3	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00																2.00	2.00	2.00	2.00				
		CO-4	2.52	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00																2.00	2.00	1.00	1.00	1.00	1.00		
		CO-5	2.52	1.00	1.00																						2.00	2.00	1.00	1.00				
				Avg. Attainment of PO-1		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
				3.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		2.00		1.00	1.00		1.00	
10	BE (A)-FOC	CO-1	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00																	3.00	3.00					
		CO-2	3.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00																			2.00	2.00			
		CO-3	3.00	2.00	2.00			3.00	3.00	2.00	2.00																			1.00	1.00			
		CO-4	2.52	2.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00																			1.00	1.00			
		CO-5	2.52					3.00	3.00	3.00	3.00			3.00	3.00														1.00	1.00	1.00	1.00		
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
				2.00		2.00		2.00		2.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		2.00	2.00		2.00	
11	BE (B)-FOC	CO-1	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00																	3.00	3.00					
		CO-2	3.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00																			2.00	2.00			
		CO-3	2.52	2.00	2.00			3.00	3.00	2.00	2.00			3.00	3.00															1.00	1.00			
		CO-4	2.52	2.00	2.00	2.00	2.00	3.00	3.00	3.00	3.00																			1.00	1.00			
		CO-5	3.00					3.00	3.00	3.00	3.00																		1.00	1.00	1.00	1.00		
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		
				2.00		2.00		2.00		2.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		3.00		



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
				2.00		2.00		2.00		2.00				3.00														2.00		3.00			
12	BE (A)- Mobile Communication	CO-1	3.00	3.00	3.00	2.00	2.00	1.00	1.00			1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00	0.00	0.00					1.00	1.00	1	1	1	1	2	2
		CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00					2.00	2.00	3	3	2	2	3	3
		CO-3	2.52	2.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	3.00			2.00	2.00	1.00	1.00	3	3	2	2	3	3
		CO-4	2.52	3.00	2.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00					3.00	3.00												
		CO-5	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	3.00							3.00	3.00												
		CO-6	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	3.00	3.00												
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment			
				2.80		1.40		1.00		1.75		1.40		1.75		1.33		1.33		2.75		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment			
13	BE (B)- Mobile Communication	CO-1	3.00	3.00	3.00	2.00	2.00	1.00	1.00			1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00	0.00	0.00					1.00	1.00	1	1	1	1	2	2
		CO-2	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00					2.00	2.00	3	3	2	2	3	3
		CO-3	2.52	2.00	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	3.00			2.00	2.00	1.00	1.00	3	3	2	2	3	3
		CO-4	2.52	3.00	2.00	1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00					3.00	3.00												
		CO-5	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	3.00							3.00	3.00												
		CO-6	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	3.00	3.00												
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment			
				2.80		1.40		1.00		1.75		1.40		1.75		1.33		1.33		2.75		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment			
14	SE (B)- CS	CO-1	3.00	3.00	3.00	3.00	3.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00													3.00	3.00				
		CO-2	3.00			2.00	2.00	2.00	2.00	1.00	1.00																	2.00	2.00				
		CO-3	3.00	2.00	2.00	2.00	2.00			1.00	1.00																	2.00	2.00				
		CO-4	3.00	2.00	2.00	1.00	1.00	2.00	2.00																			2.00	2.00	2.00	2.00		
		CO-5	3.00	2.00	2.00							2.00	2.00																				
		CO-6	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00							1.00	1.00	1.00	1.00	1.00	1.00				
				Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment			
				3.00		3.00		3.00		2.00		2.00		2.00		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		Avg. Attainment		2.00		2.00					

(Signature)

Dr. S.M. Koli
HOD ENT



Head
Department of E&TC Engg.
Dr. D. Y. Patil School of Engg.
Charholi (Bk), Via Lohegaon, Pune

(Signature)

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Mapping of CO-PO through activities

Name of Subject Teacher : Prof R.N. Garad

Academic year : 2022-23

Semester : II Subject : Applied Thermodynamics

Class : SE Div : A

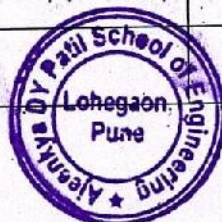
CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3				2						1
CO 2	3	3	2				1					1
CO 3	2	1	1	2								2
CO 4	2	2				2						2
CO 5	3	2									1	1
CO 6	2						3					2

Note – List of activities carried out to map PO's

Sr. No .	Activity	PO	Justification
01	Seminar on soft skills and technical skills	07	Activity based Mapping
02	Seminar on Human Ethics	08	Activity based Mapping
03			

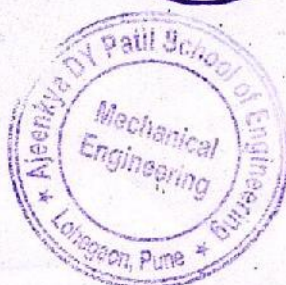
Prof R.N. Garad

Subject Teacher

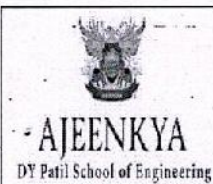


Prof R.N. Garad

HOD



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of Engineering Sciences

Form No. IQAC/28

Date: 15/01/2023

Event Notice

Academic Year: 2022-23

Semester-II

Name of the event: Seminar on "Human Ethics"

Mode of Conduction: Online

Date of the event :

Sr. No.	Date & Day	Time	Speaker
1	17/01/2023, Tuesday	02:00 pm to 03:00 pm	Mr. Kaustubh Dhawale

Prof. P. R. Nawathe

Event Coordinator

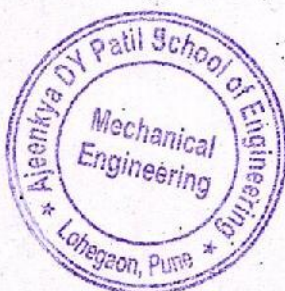
Prof. R. N. Garad


Head of Department

Dr. F. B. Sayyad

Principal

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Engineering Sciences
	Form No. IQAC/28

Date: 18/01/2023

Event Report

Academic Year: 2022-23

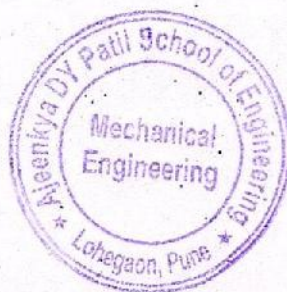
Semester-II

Name of the event: Seminar on "Human Ethics"

Date and Time	17/01/2023 2.00 to 3.00 pm
Event Venue	Dr D Y Patil School of Engineering
Organized by	Mechanical Department
Targeted Audience	SE/TE/BE Mechanical Students
Resource Person	Mr. Kaustubh Dhawale

Event Contents:

1. Positive Thinking
2. Self Esteem
3. Self-Worth
4. Self Confidence
5. Goal Setting
6. Time Management
7. Empathy
8. Body Language
9. Team work
10. Decision Making
11. Resume Writing
12. Interview Skills
13. Leadership Quality




 Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

Details of the event:

The department of Mechanical Engineering had organized seminar on "**Human Ethics**" for the benefit of pre-final year students of D Y Patil School of Engineering. Mr. Kaustubh Dhawale Alumni of Mechanical Dept, DYP SOE) were the resource persons for this training program.

During the formal inaugural session, Prof. Pooja R Nawathe, Coordinator of Alumni welcomed the gathering and also introduced resource persons to the students.

He explain Professional ethics are values that manage the attitude of a person or group of corporate/professional environment. It also provide guidelines on an environment on how a person should act towards other people and institutions Education is clearly about understanding (what to do?), learning skills (how to do?) and practicing the understanding & skills leading to fulfilment of one's purpose. It is not just about learning skills (how to do?). The subject which deals with "what to do" and "what not to do" is called value education – it facilitates development of Right Understanding. The subject which deals with "how to do" is called technical education or professional education – it facilitates development of skills. As there is a complementarity among them and are required, the priority need to be values, than skills. The impression on students on professional ethics are • Students respect professionalism • Students disagree dismissal of an employee who are against law • Students respect code of ethics Thus, education has an essential impact on the conduct and perception of the ethics of future professionals. Our college conducts a course to teach these skills through program. They include:

1. Positive Thinking

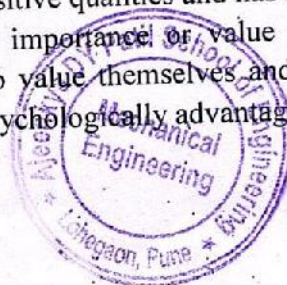
Positive thinking can help a personality in numerous ways. It leads an individual toward confidence and helps in looking for fine things in life. It brings in an innovative perspective that can craft all the difference in the world.

2. Self Esteem

Self-esteem contributes to a noteworthy position in ones motivation and triumph throughout the life. Low self-esteem may seize one back from succeeding in their respective avenues. On a contrast, having a strong self-esteem can help one accomplish because the individual moves across in his life with a positive attitude and believe in accomplishment of goals.

3. Self-Worth

Self-worth is the sense that one has positive qualities and has achieved good milestones in life. It is the sense of an individual's own importance or value as a person. However, there are numerous paths for a human being to value themselves and measure their worth as a human being, and several of these are more psychologically advantageous than others.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

4. Self Confidence

One may be affluent and intelligent. But if one does not poise confidence then he cannot come out and speak. Self-confidence is important than the hard work. It can be obtained through practice

5. Goal Setting

Goal setting is the procedure of identifying something that you want to achieve and institute measurable goals in time bounded frames. It involves the growth of an action plan planned to stimulate and guide an individual to boost efficiency.

6. Time Management

"Until we can manage time, we can manage nothing" – Peter Drucker "Life and time are the world's best teachers. Life teaches us to make good use of time and time teaches us the value of life"- APJ Abdul Kalam Time management is the route of classifying and scheduling how to manage time amid specific activities. Good time management allows an individual to work smarter. There are various methods and skills involved in time management. Few of them include avoiding delay, organizing work-life balance, utilizing waiting time productively; get ready with a 'To-do list', prioritizing tasks, and reinstating useless activities with productive activities.

7. Empathy

Empathy is the skill to comprehend another person's difficulties and point of vision. It is the act of understanding, being responsive of, being aware to, and vicariously experiencing the thoughts, and experience of another of either the past or present without encompassing the feelings, thoughts, and practice fully conversed in a purposive explicit manner

8. Body language

Body language is an important communication skill. It is the unspoken factor of communication that we use to disclose our true emotions and feelings that includes posture, facial expressions and gestures. Positive body language adds vigor to the verbal ideas or messages that one wants to express, it will also help an individual to avoid sending confusing or mixed signals.

9. Team work



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

It is very significant to have an efficient team leader who motivates the team towards the goal directed behavior. Effective Teamwork includes: • Understanding team goal and objectives • Knowing the roles and responsibilities in the team • Respecting others thoughts, opinions, perspectives • Sharing the knowledge and expertise • Appreciating others contribution • Resolving conflicts with empathy Team work makes Dream works.

10. Decision making

Decision making is a prime skill and is mainly important if you want to be an successful leader. It involves the procedure of deciding between two or more courses of action. In daily decisions, one must decide his course of action in a split second. Decision making skill encompasses foresight, emotional intelligence, intuition, critical thinking and self control. It includes procedures like defining the problem, identifying the alternatives, making the decision and employing the decision. It is very important to evaluate the made decision as it will help in future decision making processes and events.

11. Resume Writing

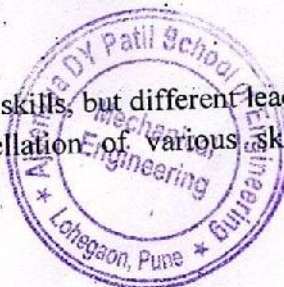
A resume is a written record of your contact details, skills, skills and employment history. It establishes your details and appears to be appealing and convincing. It reflects and symbolizes an individual. Hence it is very vital to methodically draft the document with the adequate information concerning ones professional life. It is a skill, and specialists in resume writing have taken it as a full time profession too. But individuals have to be skilled to draft their own resume as it is going to be advantageous for their careers and only they know themselves better

12. Interview Skills

Interviewing for an occupation needs a good amount of self-confidence, panache and interpersonal communication sense. They way in which you reflect yourself during an interview give hiring managers a first notion of you as a probable staffer, and set the quality for how you would perform in an daily capacity. Interview skills for setting yourself separately from your competition include advance preparation and research, in-depth information of the company, and a inclusive understanding of the duties of the role you're seeking. Some of the to do things in an interview include: • Organizing the materials required for interview • Good dressing sense • Being cheerful and expressive • Having a positive body posture

13. Leadership Quality

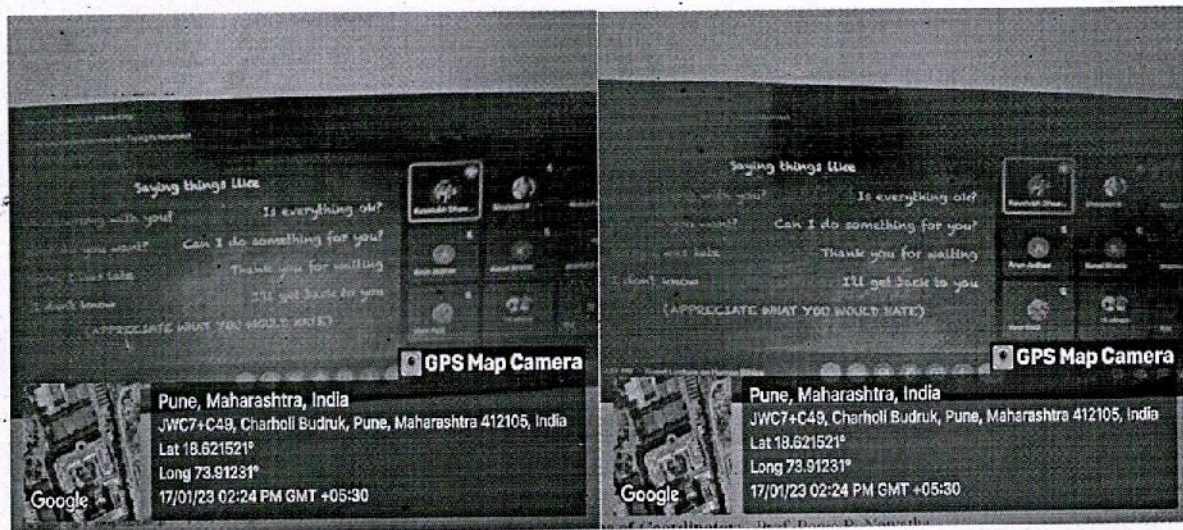
The aptitude to lead relies on a number of key skills, but different leaders have different styles of leadership. Leadership in itself is a constellation of various skill sets like : • Effective



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Communication • Motivation • Delegation • Trustworthiness • Creativity • Feedback • Responsibility • Decision Making • Strategic Planning • People Management • Persuasion and Influence • Change Management

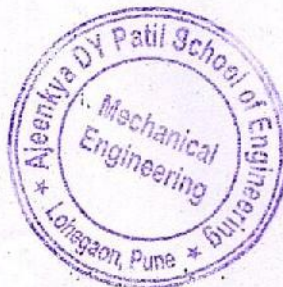
Photos:



Name of Coordinator: Prof. Pooja R. Nawathe

HoD: Prof. Rohit N. Garad

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Date: 17/01/2023

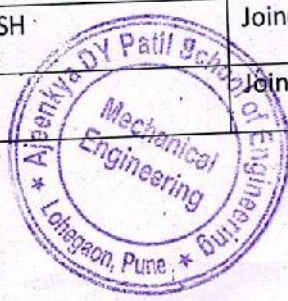
Event Attendance

Academic Year: 2022-23

Semester-II

Name of Event: Seminar on "Human Ethics"

Sr. No.	Name of the Participant	User Action	Time Stamp
1	TANMAY DIGAMBAR DABHADE	Joined	01/05/2020, 11:02:02
2	TEJAS BALASAHEB PANSARE	Joined	01/05/2020, 11:03:04
3	TELANG ROHIT VIJAYKUMAR	Joined	01/05/2020, 11:03:05
4	THAKARE HIMANSHU ANANT	Joined	01/05/2020, 11:03:06
5	TOGE SANKET VILAS	Joined	01/05/2020, 11:03:07
6	TUSHANT KUMAR	Joined	01/05/2020, 11:03:08
7	TUSHAR SHASHIDHAR DEVADIGA	Joined	01/05/2020, 11:03:09
8	PHUGE ROHAN GOKUL	Joined	01/05/2020, 11:03:11
9	PRAVIN PAWAR	Joined	01/05/2020, 11:03:11
10	RAGHAVENDRA SINGH	Joined	01/05/2020, 11:03:12
11	RAUT GAJANAN SURYAKANT	Joined	01/05/2020, 11:03:13
12	REKHATE SHIVA BALKRUSHNA	Joined	01/05/2020, 11:03:14
13	RITIK CHIVATE	Joined	01/05/2020, 11:03:15
14	ROHAN PAWAR	Joined	01/05/2020, 11:03:16
15	ROKADE VISHWAJEET PANDIT	Joined	01/05/2020, 11:03:17
16	SACHIN KULAKARNI	Joined	01/05/2020, 11:03:18
17	SATPUTE ROHAN RAMESH	Joined	01/05/2020, 11:03:19
18	Dasai Shreyash Satish	Joined	01/05/2020, 11:03:20



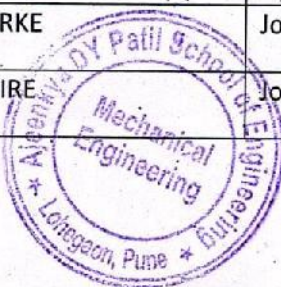
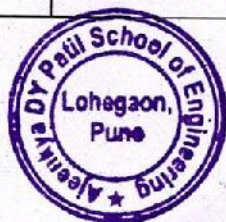
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

19	Dhage Pramod Kalidasrao	Joined	01/05/2020, 11:03:21
20	Sarthak Binalkumar Dharmik	Joined	01/05/2020, 11:03:22
21	Dondal Yash Dilip	Joined	01/05/2020, 11:03:23
22	Gautam Yadav	Joined	01/05/2020, 11:03:24
23	Gawade Rohit R	Joined	01/05/2020, 11:03:25
24	Ghanwat Karan Ajit	Joined	01/05/2020, 11:03:26
25	Saurabh Ankush Kamble	Joined	01/05/2020, 11:03:27
26	Kartik Samantelliwar	Joined	01/05/2020, 11:03:28
27	Shounaq Pandit	Joined	01/05/2020, 11:03:29
28	Hrushikesh G. Raut	Joined	01/05/2020, 11:03:30
29	Sanade Suhel Iqbal	Joined	01/05/2020, 11:03:31
30	Sujit Jogi	Joined	01/05/2020, 11:04:32
31	Vaje Vishal Nivrutti	Joined	01/05/2020, 11:04:33
32	Aditya Priyadarshi	Joined	01/05/2020, 11:01:31
33	Ajay Mahadeo Dagade	Joined	01/05/2020, 11:04:32
34	Akhil Sharma	Joined	01/05/2020, 11:04:33
35	Anurag Krishnan Namboodiri	Joined	01/05/2020, 11:04:34
36	Atharva Surendra Bhagwat	Joined	01/05/2020, 11:04:34
37	Bhadoriya Brajmohansingh B	Joined	01/05/2020, 11:04:34
38	Bhilare Yashraj Sudhakar	Joined	01/05/2020, 11:04:34
39	Chavan Abhijeet Sudhakar	Joined	01/05/2020, 11:04:35
40	Dange Varad Rajesh	Joined	01/05/2020, 11:04:35
41	Das Rajdeep Sapath	Joined	01/05/2020, 11:04:35



8
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

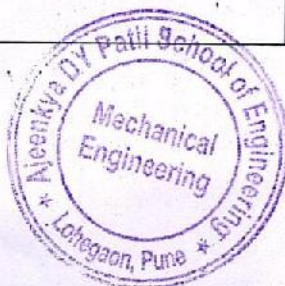
42	Dasai Shreyash Satish	Joined	01/05/2020, 11:04:35
43	Dhage Pramod Kalidasrao	Joined	01/05/2020, 11:04:36
44	Sarthak Binalkumar Dharmik	Joined	01/05/2020, 11:04:36
45	Durge Mayur Dilip	Joined	01/05/2020, 11:04:37
46	Avinash Rajkumar Biradar	Joined	01/05/2020, 11:04:38
47	Abhay Chinewar	Joined	01/05/2020, 11:04:38
48	Choudhari Vaibhav Laxman	Joined	01/05/2020, 11:04:38
49	Dolas Rushikesh	Joined	01/05/2020, 11:04:39
50	Jaywant Dode	Joined	01/05/2020, 11:04:39
51	Saurabh Ankush Kamble	Joined	01/05/2020, 11:04:39
52	Kartik Samantelliwar	Joined	01/05/2020, 11:04:39
53	AMAR AVINASH PATIL	Joined	01/05/2020, 11:04:39
54	GANESH BAJIRAO PATOLE	Joined	01/05/2020, 11:04:39
55	SHAIENDRA MAHENDRA PRATAP SINGH	Joined	01/05/2020, 11:04:39
56	PRASAD RAJENDRAKUMAR THORAT	Joined	01/05/2020, 11:04:39
57	SWAPNIL RAJU MORE	Joined	01/05/2020, 11:04:39
58	Swaraj Raju Pakhare	Joined	01/05/2020, 11:04:39
59	Mandar Krishn Pande	Joined	01/05/2020, 11:04:39
60	Prathamesh Sunil Patil Bende	Joined	01/05/2020, 11:04:39
61	Manohar Raju Patil	Joined	01/05/2020, 11:04:39
62	Nayan Sunil Patil	Joined	01/05/2020, 11:04:39
63	PRASHANT SHYAM NARKE	Joined	01/05/2020, 11:04:39
64	AKASH SANJEEV NAVGIRE	Joined	01/05/2020, 11:04:39



9

(Signature)
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

65	PRAVIN SHANTARAM NICHIT	Joined	01/05/2020, 11:04:39
66	NISHANT ASHOK PANDEY	Joined	01/05/2020, 11:04:39
67	Jay Pandharinath Pagar	Joined	01/05/2020, 11:04:39
68	bhavesk lakshandev pal	Joined	01/05/2020, 11:04:39
69	AKSHAY BHANUDAS PATIL	Joined	01/05/2020, 11:04:39
70	KALMESH MOHAN PATIL	Joined	01/05/2020, 11:04:39
71	manoj jalindar patil	Joined	01/05/2020, 11:04:39
72	SUYASH SUDHIR KADAM	Joined	01/05/2020, 11:04:40
73	PRAVIN SATWIK KALBURGI	Joined	01/05/2020, 11:04:40
74	SHIVAM BABURAO KALE	Joined	01/05/2020, 11:04:40
75	SHREYASH POPAT KAMBLE	Joined	01/05/2020, 11:04:40
76	VISHAL YUVRAJ KAMBLE	Joined	01/05/2020, 11:04:40
77	KARTHIK CHARY SAJJANA	Joined	01/05/2020, 11:04:40
78	KAUSTUBH KASHINATH DHAWALE	Joined	01/05/2020, 11:04:40
79	Shreyash Arun Kausal	Joined	01/05/2020, 11:04:40
80	KAUSTUBH NARENDRA KESKAR	Joined	01/05/2020, 11:04:40
81	RANJIT RAMCHANDRA KOLI	Joined	01/05/2020, 11:04:40
82	ROHIT RAMCHANDRA KOLI	Joined	01/05/2020, 11:04:40
83	Saurabh Ankush Kamble	Joined	01/05/2020, 11:04:40
84	Kartik Samantelliwar	Joined	01/05/2020, 11:04:40
85	Shounaq Pandit	Joined	01/05/2020, 11:04:40
86	Hrushikesh G. Raut	Joined	01/05/2020, 11:04:40
87	Sanade Suhel Iqbal	Joined	01/05/2020, 11:04:40



(Signature)
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

88	Sujit Jogi	Joined	01/05/2020, 11:04:40
89	Vaje Vishal Nivrutti	Joined	01/05/2020, 11:04:42
90	ANKIT KUMAR MISHRA	Joined	01/05/2020, 11:04:43
91	BHAGAT KSHITIJ SUSHANT	Joined	01/05/2020, 11:04:43
92	BORA DARSHAN BHARAT	Joined	01/05/2020, 11:04:44
93	BORKAR GAURI VAMAN	Joined	01/05/2020, 11:04:44
94	CHAVAN PAVAN VIJAY	Joined	01/05/2020, 11:04:44
95	DIGVIJAY DHANANJAY SHINGADE	Joined	01/05/2020, 11:04:44
96	GAIKWAD PRAJWAL HANUMANT	Joined	01/05/2020, 11:04:44
97	AMLRAJ J PILLAI	Joined	01/05/2020, 11:04:45
98	BADGUJAR ANKUSH MAHENDRA	Joined	01/05/2020, 11:04:45
99	BAHADURKAR ANKUSH SHANKARRAO	Joined	01/05/2020, 11:04:46
100	BARGE KUNAL KISANRAO	Joined	01/05/2020, 11:04:46

Name and Sign of Coordinator: Prof. P. R. Nawathe

HoD: Prof. R. N. Garad



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





AJEENKYA
DY Patil School of Engineering

"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
Department of Engineering Sciences

Form No. IQAC/28

Date: 07/02/2023

Event Notice

Academic Year: 2022-23

Semester-II

Name of the event: Seminar on "Soft Skills and Placement Talk"

Mode of Conduction: Online

Date of the event :

Sr. No.	Date & Day	Time	Speaker
1	09/02/2023, Thursday	02:00 pm to 03:00 pm	Mr Abhishek Bharti and Mr. Dattaprasad Suvarnakar

Prof. P. R. Nawathe

Event Coordinator

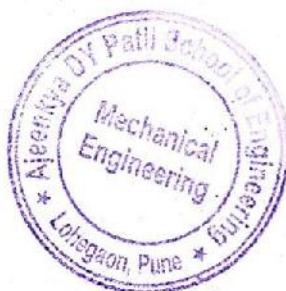
Prof. R. N. Garad


Head of Department

Dr. F. B. Sayyad

Principal

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Engineering Sciences
	Form No. IQAC/28

Date: 10/02/2023

Event Report

Academic Year: 2022-23

Semester-II

Name of the event: Seminar on "Soft Skills and Placement Talk"

Date and Time	09/02/2023 2.00 to 3.00 pm
Event Venue	Dr D Y Patil School of Engineering
Organized by	Mechanical Department
Targeted Audience	Mechanical Students
Resource Person	Mr. Abhishek Bharti and Dattaprasad Suvarnkar (Vanderlande and Alumni of Mechanical Dept, DYP SOE)

Event Contents:

1. What is difference between CV, Resume, and Bio-data
2. How to handle Interviews
3. How to take part in Group Discussion
4. How to write CV effectively

Details of the event:

The department of Mechanical Engineering had organized seminar on "Soft Skills and Placement Talk" for the benefit of pre-final year students of D-Y Patil School of Engineering. Mr. Abhishek Bharti and Dattaprasad Suvarnkar works in Vanderlande and Alumni of Mechanical Dept, DYP SOE) were the resource persons for this training program.

During the formal inaugural session, Prof. Pooja R Nawathe, Coordinator of Alumni welcomed the gathering and also introduced resource persons to the students.

First session of training began with identifying the differences between CV, resume and bio data. In the training program, the students were taught about some good etiquette to be followed while attending interviews. Tips and guidelines for attending HR interview were also dealt in detail. A mock HR round interview was also shown. Few frequently asked questions and the effective answers for those questions were discussed.

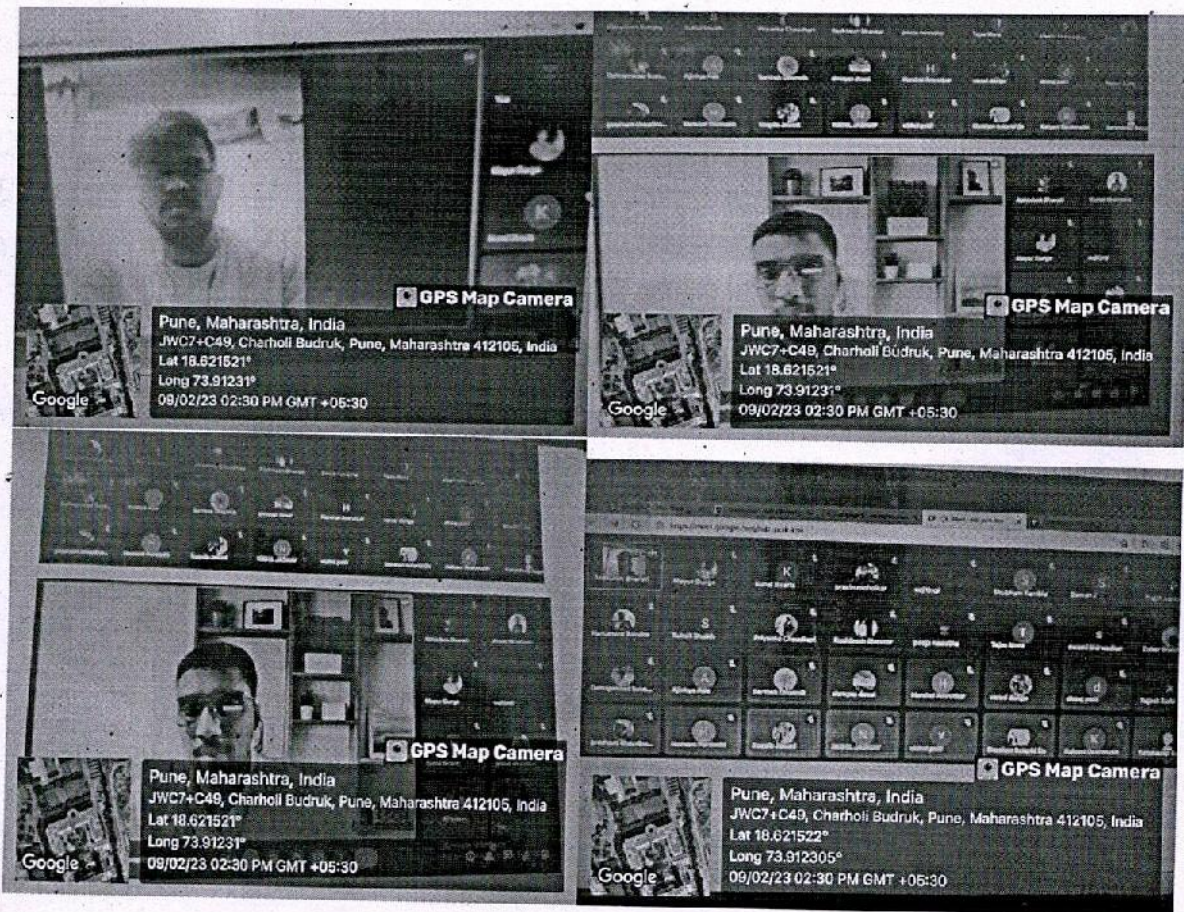


Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

In the second session, Mr. Dattaprasad Suvarnkar gave tips to write attractive CV also advised what the things to be written in CV. He also focused on what is group discussion; how to take part in group discussion, Dos and Don'ts in group discussion. After giving these tips students were made to take part in group discussions under the guidance of resource person.

At the end of the day program concluded with feedback from students and vote of thanks by Coordinator.

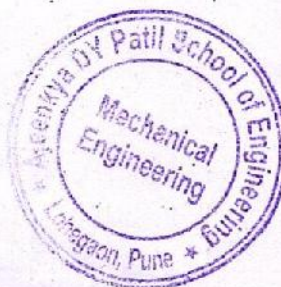
Photos:




Name of Coordinator: Prof. Pooja R. Nawathe

HoD: Prof. Rohit N. Garad

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Engineering Sciences
	Form No. IQAC/28

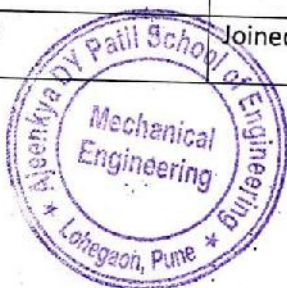
Event Attendance

Academic Year: 2022-23

Semester-II

Name of Event: Seminar on "Soft Skills and Placement Talk"

Sr. No.	Name of the Participant	User Action	Time Stamp
1	TANMAY DIGAMBAR DABHADE	Joined	01/05/2020, 11:02:02
2	TEJAS BALASAHEB PANSARE	Joined	01/05/2020, 11:03:04
3	TELANG ROHIT VIJAYKUMAR	Joined	01/05/2020, 11:03:05
4	THAKARE HIMANSHU ANANT	Joined	01/05/2020, 11:03:06
5	TOGE SANKET VILAS	Joined	01/05/2020, 11:03:07
6	TUSHANT KUMAR	Joined	01/05/2020, 11:03:08
7	TUSHAR SHASHIDHAR DEVADIGA	Joined	01/05/2020, 11:03:09
8	PHUGE ROHAN GOKUL	Joined	01/05/2020, 11:03:11
9	PRAVIN PAWAR	Joined	01/05/2020, 11:03:11
10	RAGHAVENDRA SINGH	Joined	01/05/2020, 11:03:12
11	RAUT GAJANAN SURYAKANT	Joined	01/05/2020, 11:03:13
12	REKHATE SHIVA BALKRUSHNA	Joined	01/05/2020, 11:03:14
13	RITIK CHIVATE	Joined	01/05/2020, 11:03:15
14	ROHAN PAWAR	Joined	01/05/2020, 11:03:16
15	ROKADE VISHWAJEET PANDIT	Joined	01/05/2020, 11:03:17
16	SACHIN KULAKARNI	Joined	01/05/2020, 11:03:18
17	SATPUTE ROHAN RAMESH	Joined	01/05/2020, 11:03:19
18	Dasai Shreyash Satish	Joined	01/05/2020, 11:03:20
19	Dhage Pramod Kalidasrao	Joined	01/05/2020, 11:03:21



4

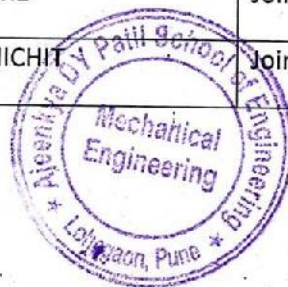
Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

20	Sarthak Binalkumar Dharmik	Joined	01/05/2020, 11:03:22
21	Dondal Yash Dilip	Joined	01/05/2020, 11:03:23
22	Gautam Yadav	Joined	01/05/2020, 11:03:24
23	Gawade Rohit R	Joined	01/05/2020, 11:03:25
24	Ghanwat Karan Ajit	Joined	01/05/2020, 11:03:26
25	Saurabh Ankush Kamble	Joined	01/05/2020, 11:03:27
26	Kartik Samantelliwar	Joined	01/05/2020, 11:03:28
27	Shounaq Pandit	Joined	01/05/2020, 11:03:29
28	Hrushikesh G. Raut	Joined	01/05/2020, 11:03:30
29	Sanade Suhel Iqbal	Joined	01/05/2020, 11:03:31
30	Sujit Jogi	Joined	01/05/2020, 11:04:32
31	Vaje Vishal Nivrutti	Joined	01/05/2020, 11:04:33
32	Aditya Priyadarshi	Joined	01/05/2020, 11:01:31
33	Ajay Mahadeo Dagade	Joined	01/05/2020, 11:04:32
34	Akhil Sharma	Joined	01/05/2020, 11:04:33
35	Anurag Krishnan Namboodiri	Joined	01/05/2020, 11:04:34
36	Atharva Surendra Bhagwat	Joined	01/05/2020, 11:04:34
37	Bhadoriya Brajmohansingh B	Joined	01/05/2020, 11:04:34
38	Bhilare Yashraj Sudhakar	Joined	01/05/2020, 11:04:34
39	Chavan Abhijeet Sudhakar	Joined	01/05/2020, 11:04:35
40	Dange Varad Rajesh	Joined	01/05/2020, 11:04:35
41	Das Rajdeep Sapath	Joined	01/05/2020, 11:04:35
42	Dasai Shreyash Satish	Joined	01/05/2020, 11:04:35



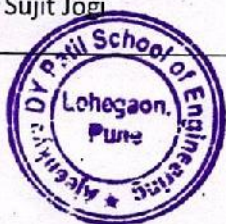
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

43	Dhage Pramod Kalidasrao	Joined	01/05/2020, 11:04:36
44	Sarthak Binalkumar Dharmik	Joined	01/05/2020, 11:04:36
45	Durge Mayur Dilip	Joined	01/05/2020, 11:04:37
46	Avinash Rajkumar Biradar	Joined	01/05/2020, 11:04:38
47	Abhay Chinewar	Joined	01/05/2020, 11:04:38
48	Choudhari Vaibhav Laxman	Joined	01/05/2020, 11:04:38
49	Dolas Rushikesh	Joined	01/05/2020, 11:04:39
50	Jaywant Dode	Joined	01/05/2020, 11:04:39
51	Saurabh Ankush Kamble	Joined	01/05/2020, 11:04:39
52	Kartik Samantelliwar	Joined	01/05/2020, 11:04:39
53	AMAR AVINASH PATIL	Joined	01/05/2020, 11:04:39
54	GANESH BAJIRAO PATOLE	Joined	01/05/2020, 11:04:39
55	SHAILENDRA MAHENDRA PRATAP SINGH	Joined	01/05/2020, 11:04:39
56	PRASAD RAJENDRAKUMAR THORAT	Joined	01/05/2020, 11:04:39
57	SWAPNIL RAJU MORE	Joined	01/05/2020, 11:04:39
58	Swaraj Raju Pakhare	Joined	01/05/2020, 11:04:39
59	Mandar Krishn Pande	Joined	01/05/2020, 11:04:39
60	Prathamesh Sunil Patil Bende	Joined	01/05/2020, 11:04:39
61	Manohar Raju Patil	Joined	01/05/2020, 11:04:39
62	Nayan Sunil Patil	Joined	01/05/2020, 11:04:39
63	PRASHANT SHYAM NARKE	Joined	01/05/2020, 11:04:39
64	AKASH SANJEEV NAVGIRE	Joined	01/05/2020, 11:04:39
65	PRAVIN SHANTARAM NICHIT	Joined	01/05/2020, 11:04:39



(Signature)
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

66	NISHANT ASHOK PANDEY	Joined	01/05/2020, 11:04:39
67	Jay Pandharinath Pagar	Joined	01/05/2020, 11:04:39
68	bhavesb lakshandev pal	Joined	01/05/2020, 11:04:39
69	AKSHAY BHANUDAS PATIL	Joined	01/05/2020, 11:04:39
70	KALMESH MOHAN PATIL	Joined	01/05/2020, 11:04:39
71	manoj jalindar patil	Joined	01/05/2020, 11:04:39
72	SUYASH SUDHIR KADAM	Joined	01/05/2020, 11:04:40
73	PRAVIN SATWIK KALBURGI	Joined	01/05/2020, 11:04:40
74	SHIVAM BABURAO KALE	Joined	01/05/2020, 11:04:40
75	SHREYASH POPAT KAMBLE	Joined	01/05/2020, 11:04:40
76	VISHAL YUVRAJ KAMBLE	Joined	01/05/2020, 11:04:40
77	KARTHIK CHARY SAJJANA	Joined	01/05/2020, 11:04:40
78	KAUSTUBH KASHINATH DHAWALE	Joined	01/05/2020, 11:04:40
79	Shreyash Arun Kausal	Joined	01/05/2020, 11:04:40
80	KAUSTUBH NARENDRA KESKAR	Joined	01/05/2020, 11:04:40
81	RANJIT RAMCHANDRA KOLI	Joined	01/05/2020, 11:04:40
82	ROHIT RAMCHANDRA KOLI	Joined	01/05/2020, 11:04:40
83	Saurabh Ankush Kamble	Joined	01/05/2020, 11:04:40
84	Kartik Samantelliwar	Joined	01/05/2020, 11:04:40
85	Shounaq Pandit	Joined	01/05/2020, 11:04:40
86	Hrushikesh G. Raut	Joined	01/05/2020, 11:04:40
87	Sanade Suhel Iqbal	Joined	01/05/2020, 11:04:40
88	Sujit Jogi	Joined	01/05/2020, 11:04:40

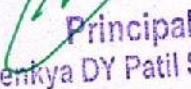


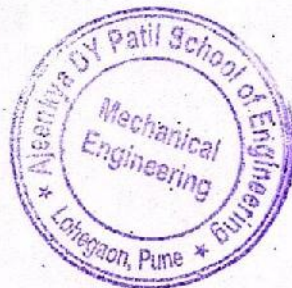
7
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

89	Vaje Vishal Nivrutti	Joined	01/05/2020, 11:04:42
90	ANKIT KUMAR MISHRA	Joined	01/05/2020, 11:04:43
91	BHAGAT KSHITIJ SUSHANT	Joined	01/05/2020, 11:04:43
92	BORA DARSHAN BHARAT	Joined	01/05/2020, 11:04:44
93	BORKAR GAURI VAMAN	Joined	01/05/2020, 11:04:44
94	CHAVAN PAVAN VIJAY	Joined	01/05/2020, 11:04:44
95	DIGVIJAY DHANANJAY SHINGADE	Joined	01/05/2020, 11:04:44
96	GAIKWAD PRAJWAL HANUMANT	Joined	01/05/2020, 11:04:44
97	AMLRAJ J PILLAI	Joined	01/05/2020, 11:04:45
98	BADGUJAR ANKUSH MAHENDRA	Joined	01/05/2020, 11:04:45
99	BAHADURKAR ANKUSH SHANKARRAO	Joined	01/05/2020, 11:04:46
100	BARGE KUNAL KISANRAO	Joined	01/05/2020, 11:04:46

Name and Sign of Coordinator: Prof. P. R. Nawathe

HoD: Prof. R. N. Garad


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





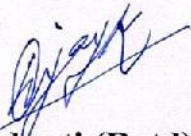
Dr. D. Y. Patil Technical Campus
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: www.dypic.in Contact No.: 020-6707 7926

A.Y.2022-23

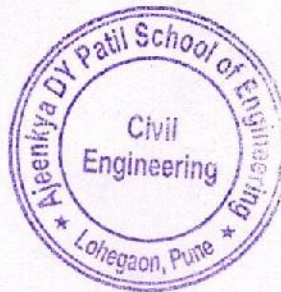
Date:-06/01/2023

NOTICE

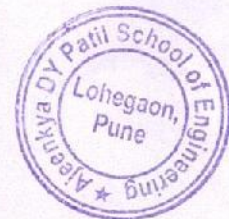
All the faculties are hereby informed to attend the departmental meeting in HoD on 06th Jan 2023 at 11:00 AM to discuss Course Outcomes (COs) of the Subjects for Semester II, Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the department.


Lt.Col. Sanjay Karodpati (Retd).
Head of Civil Engineering Department

HOD
Civil Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Dr. D. Y. Patil Technical Campus
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: www.dypic.in Contact No.: 020-6707 7926

Minutes of Meeting

Ref No: ADYPSOE/ Civil Dept/AY 2022-2023 _Sem II/Meeting No.11

Date of Meeting: 06/01/2023

Venue : HOD Cabin

Agenda of Meeting: To discuss vision & missions of the department, Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.

Presided By: Lt.Col.Sanjay Karodpati (Retd).

Points Discussed:

1. The vision and missions of the department are discussed in the meeting.
2. It has been instructed to faculties to communicate the COs, POs, PSOs & PEOs to the Stake holders. And Cos should be discussed with students at the beginning and end of each unit for all subjects.

Resolutions

1. It has been decided to work on missions to fulfill the vision of the program.

Prepared by
Aakanksha Ingle

HoD

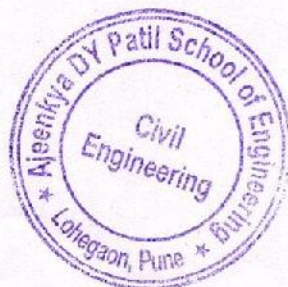
Lt.Col. Sanjay Karodpati(Retd).

HOD
Civil Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune





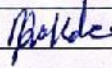



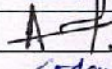
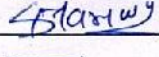





Principal

Dr. F.B. Sayyad

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Following Teaching/Non-teaching staff has attended the meeting

Sr. No.	Name of the faculty	Sign
1.	Prof. S. M Karodpati	
2.	Prof. R.C.Katdare	
3.	Prof. J.D. Dalvi	
4.	Prof. Swapnil Bijwe	
5.	Prof. Uday Kakade	
6.	Prof. Uzma Shaikh	
7.	Prof. Prasad Gayake	
8.	Prof. Sarika Kokate	
9.	Prof. Aakanksha Ingle	
10.	Prof. Sheetal Marwar	
11.	Prof. Ashutosh Patil	
12.	Mr. Maruti Jadhav	
13.	Mrs. Usha Hodgar	
14.	Mrs. Raghini Kelkar	
15.	Mrs. Kiran Gaikwad	

Prof. Lt.Col. Sanjay Karodpati

H.O.D

HOD

Civil Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





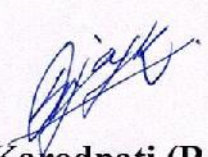
Dr. D. Y. Patil Technical Campus
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: www.dypic.in Contact No.: 020-6707 7926

A.Y.2022-23


Date:-12/07/2022

NOTICE

All the faculties are hereby informed to attend the departmental meeting in HoD on 12th July 2022 at 3:00 pm to discuss Course Outcomes (COs) of the Subjects for Semester I, Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the department and Commencement of Semester I for AY 2022-23.


Lt.Col. Sanjay Karodpati (Retd).
Head of Civil Engineering Department

HOD
Civil Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Dr. D. Y. Patil Technical Campus
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: www.dypic.in Contact No.: 020-6707 7926

Minutes of Meeting

Ref No: ADYPSOE/ Civil Dept/AY 2022-2023_SEM I/Meeting No.02

Date of Meeting: 12/07/2022

Venue : HOD Cabin

Agenda of Meeting: To discuss vision & missions of the department, Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.

Presided By: Lt.Col. Sanjay Karodpati (Retd).

Points Discussed:

1. The vision and missions of the department are discussed in the meeting.
2. The Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program are discussed with all faculty members.
3. It has been instructed to faculties to communicate the COs, POs, PSOs & PEOs to the Stake holders. And Cos should be discussed with students at the beginning and end of each unit for all subjects.

Resolutions

1. It has been decided to work on missions to fulfil the vision of the program.
2. It has been decided to communicate COs, POs, PSOs & PEOs of the program to the Stakeholders.

Prepared by
Aakanksha Ingle

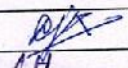
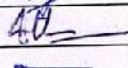
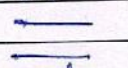
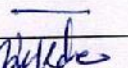
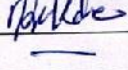

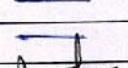
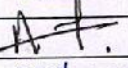
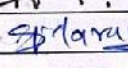
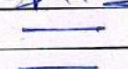
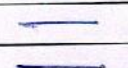
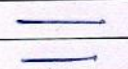



HOD
Lt.Col. Sanjay Karodpati(Retd).
HOD
Civil Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Principal
Dr. F.B. Sayyad

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Following Teaching/Non-teaching staff has attended the meeting

Sr. No.	Name of the faculty	Sign
1.	Prof. S. M Karodpati	
2.	Prof. R.C.Katdare	
3.	Prof. J.D. Dalvi	
4.	Prof. Swapnil Bijwe	
5.	Prof. Uday Kakade	
6.	Prof. Uzma Shaikh	
7.	Prof. Prasad Gayake	
8.	Prof. Sarika Kokate	
9.	Prof. Aakanksha Ingle	
10.	Prof. Sheetal Marywar	
11.	Prof. Ashutosh Patil	
12.	Mr. Maruti Jadhav	
13.	Mrs. Usha Hodgar	
14.	Mrs. Raghini Kelkar	
15.	Mr. Kiran Gaikwad	

Prof. Lt.Col. Sanjay Karodpati

H.O.D

HOD

Civil Engineering


Ajeenkya DY Patil School of Engineering

Lohegaon, Pune

Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA DY Patil School of Engineering	<p align="center"> "Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105. Department of Civil Engineering </p>
--	--

Mapping of CO-PO through activities

Name of Subject Teacher : Prof Aniket Nimade

Academic year : 2022-23 Semester : I

Subject : Mechanics of structures

Class : SE

Div : A

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	2	2	1	1	1	1	1	1	1	1
CO 2	3	2	2	2	1	1	0	0	1	1	1	0
CO 3	3	2	2	2	1	1	0	0	1	1	1	0
CO 4	3	2	2	1	1	1	0	0	1	1	1	0
CO 5	3	1	2	2	1	1	0	0	1	1	1	0
CO 6	2	1	2	2	1	1	0	0	1	1	1	1

Sr. No .	Activity	PO	Justification
01	Guest lecture on Environment and sustainability	07	Environment and sustainability
02	Guest lecture on ethics	08	Ethics
03	Guest lecture on life-long learning	12	Life-long learning
04	Guest lecture on Individual and team work	09	Individual and team work

Subject Teacher

HOD

HOD

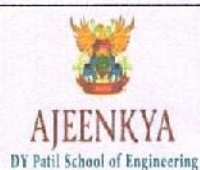
Civil Engineering

Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of Artificial Intelligence and Data Science Engineering
Form No. IQAC/24 (a)

Mapping of CO-PO through activities

Name of Subject Teacher :

Academic year : 2022-23

Semester : I

Subject : Engg Physic.

Class : FE

Div : A & B

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	2	1	0								
CO 2	3	0	2	2			2					
CO 3	0	0		0			2					
CO 4	2	2	3	1								
CO 5	1	2	0	0				3				
CO 6	3	2	2	0								

Note – List of activities carried out to map PO's

Sr. No .	Activity	PO	Justification
01	Seminar on Soft Skill	07	Activity based Mapping
02	Seminar on Life Skill and Ethics	08	Activity based Mapping

Vikoj


Subject Teacher

HOD



HOD
Engineering Sciences
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

	<p align="center">"Empowerment through quality technical education"</p> <p align="center">AJEENKYA DY PATIL SCHOOL OF ENGINEERING</p> <p align="center">Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.</p> <p align="center">Department of Engineering Science</p>
	<p>Form No. IQAC/30</p> <p>Date: 08/11/2022</p>

Event Report

Academic Year: 2022-23

Semester-I

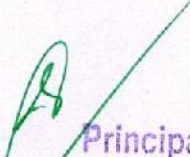
Name of the event: **Soft Skill Training Programme for UG Students**

Date and Time	08/11/2022
Event Venue	Virtual Meet via MS team app
Organized by	Department of Engineering Sciences (F.E.) – Prof. Vikas Mogadpalli
Targeted Audience	Newly admitted students of First Year Engineering of Batch 2022-23
Resource Person	Mrs. Mausami Nilakhe Soft Skills & Life Skill Corporate Trainer, Personal Coach.

Event Contents:

1. The event notice is circulated to students with prior instructions one week before. The session started sharp at 11.00 am. The workshop started with a basic introduction of soft skills, Importance of Communication and types of communication and its importance, Problem solving techniques, importance of teamwork, critical thinking, very importantly time management & decision making is explained for the students. Also we have guided them. How to handle stress of lecture, practical and exams.



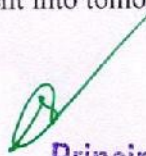

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

2. Also some Good Basic Life Lessons are given to students regarding their responsibility as students. How to develop important soft skills Technical competency is the core of your career in engineering.
3. Guided them regarding Myers-Briggs Indicators test and provided them the free Test link so that by giving test they can check their personality type and develop them self accordingly. most importantly guided them regarding ethics and standard practice should be followed in student life.
4. Motivated the students to participate in extra curricular and co curricular activities which are taking place in various engineering colleges.
5. Guided them regarding time management in day to day life for better utilization of a four year engineering course.
6. As feedback, the participants appreciated the event. A few students shared their experiences as very useful, informative and excellent. The participants will look forward to attending similar sessions in future.

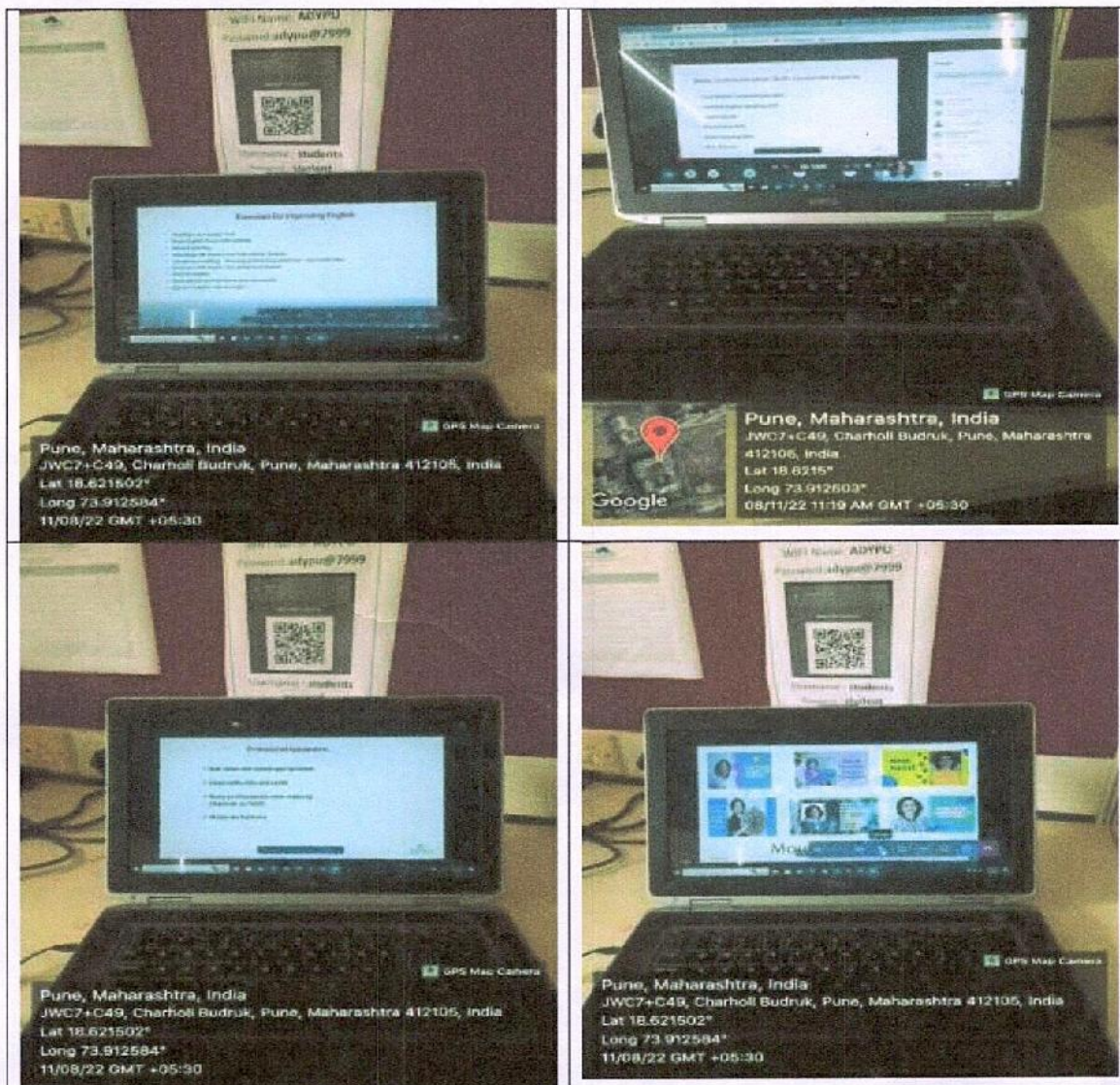
Details of the event:

Soft skills play an important role in resume writing, interviewing and finding success in communicating with people at work and in other areas of your life. Soft skills are often transferable across careers and industries. As a result, you may find that you possess many of the required traits even if you don't match the exact profile in a job description. As you search for jobs, pay special attention to posts calling for candidates with soft skills or traits you possess. Even if the job title isn't a great fit, you may find that the description makes sense for you. As you progress through the job search process, keep your resume updated to reflect soft skills most relevant to the jobs you're applying for. Key value of a training program helps turn young talent into tomorrow's leaders.




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Geotagged Photos:



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Name and Sign of Coordinator: Prof. Vikas Mogadpalli

Departmental Event Coordinator: Prof. Vikas Mogadpalli

Vikas
Vikas

HoD: Dr. S.M. Kharnar

HOD

Engineering Sciences


**Ajeenkya DY Patil School of Engineering
Lohegaon, Pune**



Principal

**Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune**



	<p align="center">"Empowerment through quality technical education"</p> <p align="center">AJEENKYA DY PATIL SCHOOL OF ENGINEERING</p> <p align="center">Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.</p> <p align="center">Department of Engineering Sciences</p>
	<p>Form No. IQAC/30</p> <p>Date: 26/11/2022</p>

Event Report

Academic Year: 2022-23

Semester-I

Name of the Event: Seminar on "Life skill & Professional Ethics :

Date and Time	26/11/2022, 9:00 am to 10:00 am
Event Venue	Online MS team platform
Organized by	Vikas Mogadpalli
Targeted Audience	Newly admitted FE batch 2022-23
Resource Person	Mr. G. Venkateshwaran

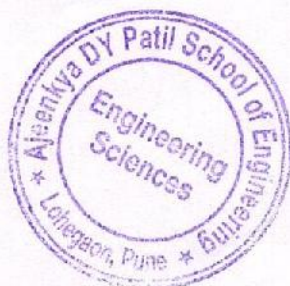
Event Contents:


1. Introduction of Guest & Agenda of event

1. Boosts student performance and overall academic improvement.
2. Helps students gain the determination to achieve their goals thereby transforming them into better students.
3. Calms down frustration among students who suffer from instability of their emotional well-being.
4. Increases self-confidence and quality of relationships that you make with other people.
5. Alleviates psychological pressure in students that are capable of triggering various symptoms of depression.

2. Need of yoga and meditation for youth for overall development

3. Meditation and yoga have direct contribution to improve mental focus and concentration among students.




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

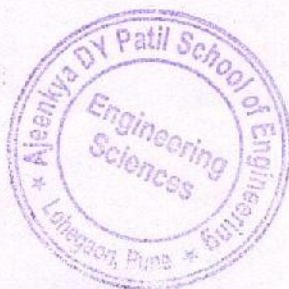
4. Physical exercise like Asanas
5. Pranayama like Bhastrika, Kapalbharati, Anulom-vilom, Udgit & Bhramari etc.
6. Causes of stress & its type, Solution for stress, anxiety, hypertension etc.


Details of the event:

Department of Engineering Sciences (FE) in association with FESA have organized Life skill workshop: "Like skill workshop: Yoga & Meditation- Need for health & Happiness. Guest Speaker invited for conduction of event is Mr. G. Venkateshwaran, Sr., Teacher at Art of Living, Pune

Recent survey on different parameter & psychological studies revealed that 60-70% of youth generation are falling into depression due to stress. Youth of modern age is not leading quality and happy life. In Academic life student have to perform different task like exam preparation, thinking of job, handling of financial stress, handling of social response, fulfillment of parent expectations & demand, handling of family issues. As a result they are sinking themselves into undesirable academics & personal problems making them feel lost. Due to loss of self-confidence & loneliness student will not be able to perform simple task. Sometimes worst situations leads them into dark phase where come back is not possible. This situation badly affect their mental and physical health. At this junction stress reliving activities are necessary. They works as a antidotes to stress, anxiety & tension. As per modern curriculum given by the AICTE, awareness of physical activity includes yoga & exercise are compulsory at the time Student Induction Programme.

The event notice is circulated to students with prior instructions one day before. The first session is started sharp at 9:00 am. Mr. G. Venkateshwaran explained aspects of yoga for enhancing the immunity. He also gave detailed information about different meditation techniques and hast mudras (Hand Postures) used at the time of yoga. He explained the importance of Music and yoga for mind. Mind is the major part, which controls the entire body. So mind should be tuned properly. For tuning the mind, music and yoga are the important factors that will help to develop sound health. He also taught some important yoga exercise which can be used as stress relieving activity. He highlighted the roles played by Dhyana, Dharana and Samadhi that help musicians to attain perfection in their performance.




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

In second session, Mr. G. Venkateshwaran demonstrated the different asana and pranayama useful for students in their academic life. The student participants made a demonstration of the Asanas learnt by them in the workshop. The event is concluded with vote of thanks by Prof. Arya. The technical support was provided by Prof. Awes Ansari.

Geotagged Photos:



[Signature]
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Name and Sign of Coordinator: Vikas Mogadpalli

Vikas
Vikas

Departmental Event Coordinator: Vikas Mogadpalli

HoD: Dr. S. M. Khairnar


[Signature]

HOD
Engineering Sciences
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune



[Signature]
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING
	Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
	Department of Engineering Science
	Form No. IQAC/25

Date: 3 /11/2022

Event Notice

Academic Year: 2022-23

Semester-I

Name of the event : Soft Skill Training

Date of the event : 11 Nov 2022

Time: 11.00 a.m. Onward

Venue : ADYPKC Auditorium and Virtual Platform

We, the department of Engineering Science are commencing our AY 2022-23 by welcoming our first batch of 'Ajeenkya DY Patil School Engineering'. On this occasion, we are organizing a **First Year Engineering – Soft Skill Training** on 11 Nov in ADYPKC auditorium. Students will be given a detail orientation about FE academics, department activities, scholarship form, exam form etc.

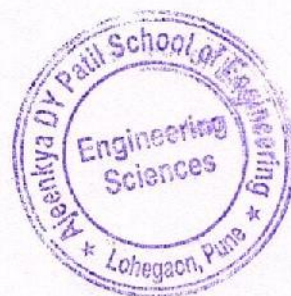
Name and Sign of Coordinator: Mogadpalli Vikas Pandurang




HoD: Dr. S. M. Khairnar



HOD
Engineering Sciences
 Ajeenkya DY Patil School of Engineering
 Lohegaon, Pune




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105. Department of Computer Engineering
	Form No. IQAC/24 (a)

Mapping of CO-PO through activities

Name of Subject Teacher : Prof Ajita A Mahapadi

Academic year : 2022-23

Semester : II Subject : Software Engineering

Class : SE Div : A

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2											
CO 2	2	1			2							1
CO 3	2				1				1		1	
CO 4	2											
CO 5	2				1							1
CO 6												

Note – List of activities carried out to map PO's

Sr. No .	Activity	PO	Justification
01	Seminar on soft skills and technical skills	07	Activity based Mapping
02	Seminar on Human Ethics	08	Activity based Mapping

Prof Ajita A Mahapadi

Subject Teacher




Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Dr.Pankaj Agarkar

HOD
Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Computer Engineering
	Form No. IQAC/28

Date: 27/01/2023

Event Notice

Academic Year: 2022-23

Semester-II

Name of the event: Seminar on "Soft Skills and Placement Talk"

Mode of Conduction: Online

Date of the event :

Sr. No.	Date & Day	Time	Speaker
1	30/01/2023, Monday	02:00 pm to 03:00 pm	Mr. Sanket Gedam, Technical Manager in IBM, Hinjewadi



Prof. Ajita A Mahapadi

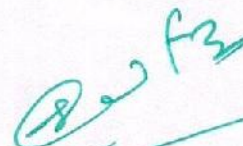
Event Coordinator



Dr. Pankaj Agarkar

Head of Department
HOD


Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Dr. F. B. Sayyad

Principal

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

 AJEENKYA DY Patil School of Engineering	<p align="center"> "Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105. Department of Computer Engineering </p> <p align="right">Form No. IQAC/28</p>
--	--

Date: 30/01/2023

Event Report

Academic Year: 2022-23

Semester-II

Name of the event: Seminar on "Soft Skills and Placement Talk"

Date and Time	30/01/2023 2.00 to 3.00 pm
Event Venue	Dr D Y Patil School of Engineering
Organized by	Computer Department
Targeted Audience	SE computer Students
Resource Person	Mr. Sanket Gedam, Technical Manager in IBM, Hinjewadi

Event Contents:

1. What is difference between CV, Resume, and Bio-data
2. How to handle Interviews
3. How to take part in Group Discussion
4. How to write CV effectively


Details of the event:

The department of computer Engineering had organized seminar on **"Soft Skills and Placement Talk"** for the benefit for students of D Y Patil School of Engineering Mr. Sanket Gedam, Technical Manager in IBM, Hinjewadi were the resource persons for this training program.

During the formal inaugural session, Prof Ajita A Mahapadi, Coordinator of Alumni welcomed the gathering and also introduced resource persons to the students.

First session of training began with identifying the differences between CV, resume and bio data. In the training program, the students were taught about some good etiquette to be followed while attending interviews. Tips and guidelines for attending HR interview were also dealt in detail. A


Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

 AJEENKYA DY Patil School of Engineering	<p align="center"> "Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Blk., Via. Lohegaon, Pune – 412 105. Department of Computer Engineering </p> <p align="right">Form No. IQAC/28</p>
--	---

mock HR round interview was also shown. Few frequently asked questions and the effective answers for those questions were discussed.

In the session, Mr. Sanket Gedam gave tips to write attractive CV also advised what the things to be written in CV. He also focused on what is group discussion, how to take part in group discussion, Dos and Don'ts in group discussion. After giving these tips students were made to take part in group discussions under the guidance of resource person.

At the end of the day program concluded with feedback from students and vote of thanks by Coordinator.

Photos:




Name of Coordinator: Prof. Ajita A Mahapadi

HoD: Dr. Pankaj Agarkar

HOD
 Computer Engineering
 Ajeenkya DY Patil School of Engineering
 Lohegaon, Pune



Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Computer Engineering	Form No. IQAC/28

Event Attendance

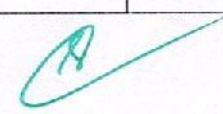
Academic Year: 2022-23

Semester-II

Name of Event: Seminar on "Soft Skills and Placement Talk"

Sr. No.	Name of the Participant	User Action	Time Stamp
1	Aditi Priyadarshini Jadhav	Joined	15/02/2023, 11:02:02
2	Aditya Maruti Mohite	Joined	15/02/2023, 11:03:04
3	Akshita Kumari	Joined	15/02/2023, 11:03:05
4	Shrivardhan Pradeep Ambekar	Joined	15/02/2023, 11:03:06
5	Amit Shivaji Garje	Joined	15/02/2023, 11:03:07
6	Anand Anil Darekar	Joined	15/02/2023, 11:03:08
7	Ansari Asraurooj Ehteshamulhaque	Joined	15/02/2023, 11:03:09
8	Aaradhya Santosh Dhawale	Joined	15/02/2023, 11:03:11
9	Arya Shivam Kumar	Joined	15/02/2023, 11:03:11
10	Astha Raghuwanshi	Joined	15/02/2023, 11:03:12
11	Prathamesh Prashant Awari	Joined	15/02/2023, 11:03:13
12	Ayush Umesh Telrandhe	Joined	15/02/2023, 11:03:14
13	Rohit Tukaram Bagade	Joined	15/02/2023, 11:03:15
14	Rohan Sanjay Balsaraf	Joined	15/02/2023, 11:03:16
15	Rutuja Rohidas Bankar	Joined	15/02/2023, 11:03:17
16	Prasanna Baviskar	Joined	15/02/2023, 11:03:18
17	Samruddhi Bhende	Joined	15/02/2023, 11:03:19




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

18	BHIMASHANKAR BHURE	Joined	15/02/2023,11:03:20
19	Biradar Amit Shivaji	Joined	15/02/2023,11:03:21
20	Biradar Omkar Angadrao	Joined	15/02/2023,11:03:22
21	Aditya shyam bobade	Joined	15/02/2023, 11:03:23
22	Kajal Balasaheb Borude	Joined	15/02/2023, 11:03:24
23	Kashish Rajesh Chandwani	Joined	15/02/2023, 11:03:25
24	Onkar Vijay Chavhan	Joined	15/02/2023, 11:03:26
25	Choudhary Naresh Chunnilal	Joined	15/02/2023, 11:03:27
26	Sujal Dalvi	Joined	15/02/2023, 11:03:28
27	Sandesh Rajabhau Darade	Joined	15/02/2023, 11:03:29
28	Anuj Deshmukh	Joined	15/02/2023, 11:03:30
29	Saurabh Bhagwat Dhole	Joined	15/02/2023, 11:03:31
30	Manas Ratan Donde	Joined	15/02/2023, 11:04:32
31	Ganesh Ashok Gagare	Joined	15/02/2023, 11:04:33
32	Gauri Walke	Joined	15/02/2023, 11:011:31
33	Dhruva Niraj Gavit	Joined	15/02/2023, 11:04:32
34	Ranjit Dinkar Ghatage	Joined	15/02/2023, 11:04:33
35	Vedant Ghodekar	Joined	15/02/2023, 11:04:34
36	Onkar Siddheshwar Ghodke	Joined	15/02/2023, 11:04:34
37	Prajakta Manoj Ghugare	Joined	15/02/2023, 11:04:34
38	Supriya Sheshrao Girhepunje	Joined	15/02/2023, 11:04:34
39	Rushikesh Pravin gokhale	Joined	15/02/2023, 11:04:35
40	Gaurav Nitin Gujar	Joined	15/02/2023, 11:04:35





Principal

**Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune**

41	Dhanashri Hedau	Joined	15/02/2023, 11:04:35
42	Hitendra Sirvi	Joined	15/02/2023, 11:04:35
43	Rakesh Hokrani	Joined	15/02/2023, 11:04:36
44	Tanishq Jadhav	Joined	15/02/2023, 11:04:36
45	Aditya Jagtap	Joined	15/02/2023, 11:04:37
46	Jayesh Parmar	Joined	15/02/2023, 11:04:38
47	Shruti Jogdand	Joined	15/02/2023, 11:04:38
48	Pranav Kale	Joined	15/02/2023, 11:04:38
49	Sakshi Santosh Kasar	Joined	15/02/2023, 11:04:39
50	Pawan Moreshwar Katre	Joined	15/02/2023, 11:04:39
51	Suraj Dilip Khot	Joined	15/02/2023, 11:04:39
52	Harish parshuram kirve	Joined	15/02/2023, 11:04:39
53	Snehal Sidu Kolse Patil	Joined	15/02/2023, 11:04:39
54	Anushka Ajay Konde	Joined	15/02/2023, 11:04:39
55	Advait Pramod Korde	Joined	15/02/2023, 11:04:39
56	Lagad Samyak Sunil	Joined	15/02/2023, 11:04:39
57	Lohakane Nakul Goraksha	Joined	15/02/2023, 11:04:39
58	shubham vijay magar	Joined	15/02/2023, 11:04:39
59	Ankkit Vikas Mahadik	Joined	15/02/2023, 11:04:39
60	Prajwal Chandrakant Mahale	Joined	15/02/2023, 11:04:39
61	Sakshi Sanjay Mahalle	Joined	15/02/2023, 11:04:39
62	Piyush Sanjay Mali	Joined	15/02/2023, 11:04:39
63	Atharvaraj Avinash Mallav	Joined	15/02/2023, 11:04:39





Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune


64	Amar Udayrao Manjarathkar	Joined	15/02/2023, 11:04:39
65	Karan Thakuji Mawale	Joined	15/02/2023, 11:04:39
66	Pandurang Aghav	Joined	15/02/2023, 11:04:39
67	Pratik Katore	Joined	15/02/2023, 11:04:39
68	Priyanshi Sugandhi	Joined	15/02/2023, 11:04:39
69	Rajat Acharjee	Joined	15/02/2023, 11:04:39
70	SHIVANI SAWANT	Joined	15/02/2023, 11:04:39
71	Sakshi hinge	Joined	15/02/2023, 11:04:39
72	Sanket Bhasmare	Joined	15/02/2023, 11:04:40
73	Sanskriti Mane	Joined	15/02/2023, 11:04:40
74	Saurabh Bhamare	Joined	01/05/2020, 11:04:40
75	Saurabh Shinde	Joined	15/02/2023, 11:04:40
76	Shifa Khan	Joined	15/02/2023, 11:04:40
77	Shraddha Zaware	Joined	15/02/2023, 11:04:40
78	Sujeeth Parthasarathi	Joined	15/02/2023, 11:04:40
79	Sujit Babar	Joined	15/02/2023, 11:04:40
80	Tushar Gadkar	Joined	15/02/2023, 11:04:40
81	Vaishnavi Nagtilak	Joined	15/02/2023, 11:04:40
82	Vaishnavi Rajure	Joined	15/02/2023, 11:04:40
83	Vinay Uttekar	Joined	15/02/2023, 11:04:40
84	Vrushank Bhosale	Joined	15/02/2023, 11:04:40
85	YASHFIN SHAIKH	Joined	15/02/2023, 11:04:40
86	Pandurang Aghav	Joined	15/02/2023, 11:04:40



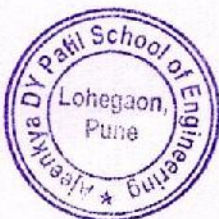
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune


87	Pratik Katore	Joined	15/02/2023, 11:04:40
88	Priyanshi Sugandhi	Joined	15/02/2023, 11:04:40
89	Rajat Acharjee	Joined	15/02/2023, 11:04:42
90	SHIVANI SAWANT	Joined	15/02/2023, 11:04:43
91	Sakshi hinge	Joined	15/02/2023, 11:04:43
92	Sanket Bhasmare	Joined	15/02/2023, 11:04:44
93	Sanskriti Mane	Joined	15/02/2023, 11:04:44
94	Saurabh Bhamare	Joined	15/02/2023, 11:04:44
95	Saurabh Shinde	Joined	15/02/2023, 11:04:44
96	Shifa Khan	Joined	15/02/2023, 11:04:44
97	Shraddha Zaware	Joined	15/02/2023, 11:04:45
98	Sujeeth Parthasarathi	Joined	15/02/2023, 11:04:45
99	Sujit Babar	Joined	15/02/2023, 11:04:46
100	Tushar Gadkar	Joined	15/02/2023, 11:04:46


Name and Sign of Coordinator: Prof. Ajita A Mahapadi 


HoD: **Dr. Pankaj Agarkar**

HOD
Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Computer Engineering
	Form No. IQAC/28
	Date: 14/02/2023

Event Notice

Academic Year: 2022-23

Semester-II

Name of the event: Seminar on "**Human Ethics**"

Mode of Conduction: Online

Date of the event :

Sr. No.	Date & Day	Time	Speaker
1	15/02/2023, Wednesday	11.00am to 12.00 pm	Prof. Pranali Chavhan (Asst. Prof., VIIT, Pune)



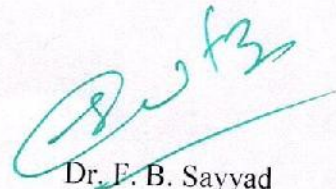
Prof. Ajita A Mahapadi

Event Coordinator



Dr. Pankaj Agarkar

Head of Department

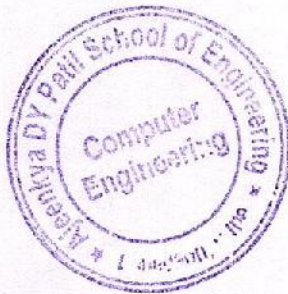


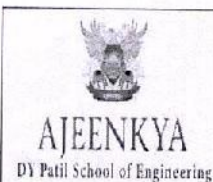
Dr. F. B. Sayyad

Principal

HOD
Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
Department of Computer Engineering

Form No. IQAC/28

Date: 15/02/2023

Event Report

Academic Year: 2022-23


Semester-II

Name of the event: Seminar on "Human Ethics"

Date and Time	15/02/2023 11.00am to 12.00 pm
Event Venue	Dr D Y Patil School of Engineering
Organized by	Computer Department
Targeted Audience	SE Computer Students
Resource Person	Prof. Pranali Chavhan (Asst. Prof., VIIT, Pune)

Event Contents:

1. Positive Thinking
2. Self Esteem
3. Self-Worth
4. Self Confidence
5. Goal Setting
6. Time Management
7. Empathy
8. Body Language
9. Team work
10. Decision Making
11. Resume Writing
12. Interview Skills
13. Leadership Quality


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Details of the event:

The department of Computer Engineering had organized seminar on "**Human Ethics**" for the benefit of all students of D Y Patil School of Engineering **Prof. Pranali Chavhan(Asst. Prof., VIIT, Pune)** were the resource persons for this training program.

During the formal inaugural session, Prof. Ajita A Mahapadi, Coordinator of Alumni welcomed the gathering and also introduced resource persons to the students.

Expert explain Professional ethics are values that manage the attitude of a person or group of corporate/professional environment. It also provide guidelines on an environment on how a person should act towards other people and institutions Education is clearly about understanding (what to do?), learning skills (how to do?) and practicing the understanding & skills leading to fulfilment of one's purpose. It is not just about learning skills (how to do?). The subject which deals with "what to do" and "what not to do" is called value education – it facilitates development of Right Understanding. The subject which deals with "how to do" is called technical education or professional education – it facilitates development of skills. As there is a complementarity among them and are required, the priority need to be values, than skills. The impression on students on professional ethics are • Students respect professionalism • Students disagree dismissal of an employee who are against law • Students respect code of ethics Thus, education has an essential impact on the conduct and perception of the ethics of future professionals. Our college conducts a course to teach these skills through program. They include:

1. Positive Thinking

Positive thinking can help a personality in numerous ways. It leads an individual toward confidence and helps in looking for fine things in life. It brings in an innovative perspective that can craft all the difference in the world.

2. Self Esteem

Self-esteem contributes to a noteworthy position in ones motivation and triumph throughout the life. Low self-esteem may seize one back from succeeding in their respective avenues. On a contrast, having a strong self-esteem can help one accomplish because the individual moves across in his life with a positive attitude and believe in accomplishment of goals.

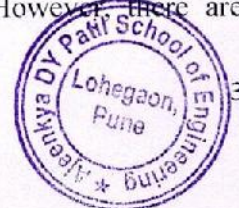
3. Self-Worth

Self-worth is the sense that one has positive qualities and has achieved good milestones in life. It is the sense of an individual's own importance or value as a person. However, there are



Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



numerous paths for a human being to value themselves and measure their worth as a human being, and several of these are more psychologically advantageous than others.

4. Self Confidence

One may be affluent and intelligent. But if one does not poise confidence then he cannot come out and speak. Self-confidence is important than the hard work. It can be obtained through practice

5. Goal Setting

Goal setting is the procedure of identifying something that you want to achieve and institute measurable goals in time bounded frames. It involves the growth of an action plan planned to stimulate and guide an individual to boost efficiency.

6. Time Management

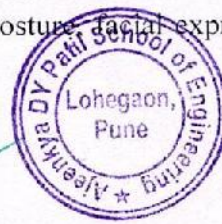
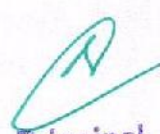
"Until we can manage time, we can manage nothing" – Peter Drucker "Life and time are the world's best teachers. Life teaches us to make good use of time and time teaches us the value of life"- APJ Abdul Kalam Time management is the route of classifying and scheduling how to manage time amid specific activities. Good time management allows an individual to work smarter. There are various methods and skills involved in time management. Few of them include avoiding delay, organizing work-life balance, utilizing waiting time productively; get ready with a 'To-do list', prioritizing tasks, and reinstating useless activities with productive activities.

7. Empathy

Empathy is the skill to comprehend another person's difficulties and point of vision. It is the act of understanding, being responsive of, being aware to, and vicariously experiencing the thoughts, and experience of another of either the past or present without encompassing the feelings, thoughts, and practice fully conversed in a purposive explicit manner

8. Body language

Body language is an important communication skill. It is the unspoken factor of communication that we use to disclose our true emotions and feelings that includes posture, facial expressions



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

and gestures. Positive body language adds vigor to the verbal ideas or messages that one wants to express, it will also help an individual to avoid sending confusing or mixed signals.

9. Team work

It is very significant to have an efficient team leader who motivates the team towards the goal directed behavior. Effective Teamwork includes: • Understanding team goal and objectives • Knowing the roles and responsibilities in the team • Respecting others thoughts, opinions, perspectives • Sharing the knowledge and expertise • Appreciating others contribution • Resolving conflicts with empathy Team work makes Dream works.

10. Decision making


Decision making is a prime skill and is mainly important if you want to be an successful leader. It involves the procedure of deciding between two or more courses of action. In daily decisions, one must decide his course of action in a split second. Decision making skill encompasses foresight, emotional intelligence, intuition, critical thinking and self control. It includes procedures like defining the problem, identifying the alternatives, making the decision and employing the decision. It is very important to evaluate the made decision as it will help in future decision making processes and events.

11. Resume Writing

A resume is a written record of your contact details, skills, skills and employment history. It establishes your details and appears to be appealing and convincing. It reflects and symbolizes an individual. Hence it is very vital to methodically draft the document with the adequate information concerning ones professional life. It is a skill, and specialists in resume writing have taken it as a full time profession too. But individuals have to be skilled to draft their own resume as it is going to be advantageous for their careers and only they know themselves better

12. Interview Skills

Interviewing for an occupation needs a good amount of self-confidence, panache and interpersonal communication sense. The way in which you reflect yourself during an interview give hiring managers a first notion of you as a probable staffer, and set the quality for how you would perform in an daily capacity. Interview skills for setting yourself separately from your competition include advance preparation and research, in-depth information of the company, and a inclusive understanding of the duties of the role you're seeking. Some of the to do things in an interview include: • Organizing the materials required for interview • Good dressing sense • Being cheerful and expressive • Having a positive body posture


Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



13. Leadership Quality

The aptitude to lead relies on a number of key skills, but different leaders have different styles of leadership. Leadership in itself is a constellation of various skill sets like : • Effective Communication • Motivation • Delegation • Trustworthiness • Creativity • Feedback • Responsibility • Decision Making • Strategic Planning • People Management • Persuasion and Influence • Change Management

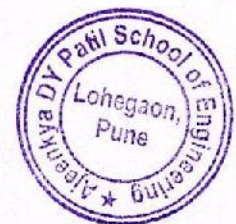
Photos:



Name of Coordinator: Prof. Ajita A Mahapadi

HoD: Prof. Dr. Pankaj Agarkar

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



Date: 15/02/2023

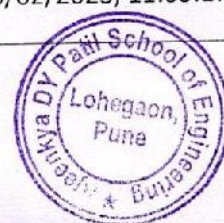
Event Attendance

Academic Year: 2022-23


Semester-II

Name of Event: Seminar on "Human Ethics"


Sr. No.	Name of the Participant	User Action	Time Stamp
1	Aditi Priyadarshini Jadhav	Joined	15/02/2023, 11:02:02
2	Aditya Maruti Mohite	Joined	15/02/2023, 11:03:04
3	Akshita Kumari	Joined	15/02/2023, 11:03:05
4	Shrivardhan Pradeep Ambekar	Joined	15/02/2023, 11:03:06
5	Amit Shivaji Garje	Joined	15/02/2023, 11:03:07
6	Anand Anil Darekar	Joined	15/02/2023, 11:03:08
7	Ansari Asraurooj Ehteshamulhaque	Joined	15/02/2023, 11:03:09
8	Aaradhya Santosh Dhawale	Joined	15/02/2023, 11:03:11
9	Arya Shivam Kumar	Joined	15/02/2023, 11:03:11
10	Astha Raghuwanshi	Joined	15/02/2023, 11:03:12
11	Prathamesh Prashant Awari	Joined	15/02/2023, 11:03:13
12	Ayush Umesh Telrandhe	Joined	15/02/2023, 11:03:14
13	Rohit Tukaram Bagade	Joined	15/02/2023, 11:03:15
14	Rohan Sanjay Balsaraf	Joined	15/02/2023, 11:03:16
15	Rutuja Rohidas Bankar	Joined	15/02/2023, 11:03:17



7


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

16	Prasanna Baviskar	Joined	15/02/2023 11:03:18
17	Samruddhi Bhende	Joined	15/02/2023, 11:03:19
18	BHIMASHANKAR BHURE	Joined	15/02/2023, 11:03:20
19	Biradar Amit Shivaji	Joined	15/02/2023, 11:03:21
20	Biradar Omkar Angadrao	Joined	15/02/2023, 11:03:22
21	Aditya shyam bobade	Joined	15/02/2023, 11:03:23
22	Kajal Balasaheb Borude	Joined	15/02/2023, 11:03:24
23	Kashish Rajesh Chandwani	Joined	15/02/2023, 11:03:25
24	Onkar Vijay Chavhan	Joined	15/02/2023, 11:03:26
25	Choudhary Naresh Chunnilal	Joined	15/02/2023, 11:03:27
26	Sujal Dalvi	Joined	15/02/2023, 11:03:28
27	Sandesh Rajabhau Darade	Joined	15/02/2023, 11:03:29
28	Anuj Deshmukh	Joined	15/02/2023, 11:03:30
29	Saurabh Bhagwat Dhole	Joined	15/02/2023, 11:03:31
30	Manas Ratan Donde	Joined	15/02/2023, 11:04:32
31	Ganesh Ashok Gagare	Joined	15/02/2023, 11:04:33
32	Gauri Walke	Joined	15/02/2023, 11:011:31
33	Dhruva Niraj Gavit	Joined	15/02/2023, 11:04:32
34	Ranjit Dinkar Ghatage	Joined	15/02/2023, 11:04:33
35	Vedant Ghodekar	Joined	15/02/2023, 11:04:34
36	Onkar Siddheshwar Ghodke	Joined	15/02/2023, 11:04:34
37	Prajakta Manoj Ghugare	Joined	15/02/2023, 11:04:34
38	Supriya Sheshrao Girhepunje	Joined	15/02/2023, 11:04:34


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



39	Rushikesh Pravin gokhale	Joined	15/02/2023, 11:04:35
40	Gaurav Nitin Gujar	Joined	15/02/2023, 11:04:35
41	Dhanashri Hedau	Joined	15/02/2023, 11:04:35
42	Hitendra Sirvi	Joined	15/02/2023, 11:04:35
43	Rakesh Hokrani	Joined	15/02/2023, 11:04:36
44	Tanishq Jadhav	Joined	15/02/2023, 11:04:36
45	Aditya Jagtap	Joined	15/02/2023, 11:04:37
46	Jayesh Parmar	Joined	15/02/2023, 11:04:38
47	Shruti Jogdand	Joined	15/02/2023, 11:04:38
48	Pranav Kale	Joined	15/02/2023, 11:04:38
49	Sakshi Santosh Kasar	Joined	15/02/2023, 11:04:39
50	Pawan Moreshwar Katre	Joined	15/02/2023, 11:04:39
51	Suraj Dilip Khot	Joined	15/02/2023, 11:04:39
52	Harish parshuram kirve	Joined	15/02/2023, 11:04:39
53	Snehal Sidu Kolse Patil	Joined	15/02/2023, 11:04:39
54	Anushka Ajay Konde	Joined	15/02/2023, 11:04:39
55	Advait Pramod Korde	Joined	15/02/2023, 11:04:39
56	Lagad Samyak Sunil	Joined	15/02/2023, 11:04:39
57	Lohakane Nakul Goraksha	Joined	15/02/2023, 11:04:39
58	shubham vijay magar	Joined	15/02/2023, 11:04:39
59	Ankkit Vikas Mahadik	Joined	15/02/2023, 11:04:39
60	Prajwal Chandrakant Mahale	Joined	15/02/2023, 11:04:39
61	Sakshi Sanjay Mahalle	Joined	15/02/2023, 11:04:39


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



62	Piyush Sanjay Mali	Joined	15/02/2023, 11:04:39
63	Atharvaraj Avinash Mallav	Joined	15/02/2023, 11:04:39
64	Amar Udayrao Manjarathkar	Joined	15/02/2023, 11:04:39
65	Karan Thakuji Mawale	Joined	15/02/2023, 11:04:39
66	Pandurang Aghav	Joined	15/02/2023, 11:04:39
67	Pratik Katore	Joined	15/02/2023, 11:04:39
68	Priyanshi Sugandhi	Joined	15/02/2023, 11:04:39
69	Rajat Acharjee	Joined	15/02/2023, 11:04:39
70	SHIVANI SAWANT	Joined	15/02/2023, 11:04:39
71	Sakshi hinge	Joined	15/02/2023, 11:04:39
72	Sanket Bhasmare	Joined	15/02/2023, 11:04:40
73	Sanskriti Mane	Joined	15/02/2023, 11:04:40
74	Saurabh Bhamare	Joined	01/05/2020, 11:04:40
75	Saurabh Shinde	Joined	15/02/2023, 11:04:40
76	Shifa Khan	Joined	15/02/2023, 11:04:40
77	Shraddha Zaware	Joined	15/02/2023, 11:04:40
78	Sujeeth Parthasarathi	Joined	15/02/2023, 11:04:40
79	Sujit Babar	Joined	15/02/2023, 11:04:40
80	Tushar Gadkar	Joined	15/02/2023, 11:04:40
81	Vaishnavi Nagtilak	Joined	15/02/2023, 11:04:40
82	Vaishnavi Rajure	Joined	15/02/2023, 11:04:40
83	Vinay Uttekar	Joined	15/02/2023, 11:04:40
84	Vrushank Bhosale	Joined	15/02/2023, 11:04:40

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



 AJEENKYA DY Patil School of Engineering	"Empowerment through quality technical education" AJEENKYA DY PATIL SCHOOL OF ENGINEERING Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105. Department of Computer Engineering		
	Form No. IQAC/28		

85	YASHFIN SHAIKH	Joined	15/02/2023, 11:04:40
86	Pandurang Aghav	Joined	15/02/2023, 11:04:40
87	Pratik Katore	Joined	15/02/2023, 11:04:40
88	Priyanshi Sugandhi	Joined	15/02/2023, 11:04:40
89	Rajat Acharjee	Joined	15/02/2023, 11:04:42
90	SHIVANI SAWANT	Joined	15/02/2023, 11:04:43
91	Sakshi hinge	Joined	15/02/2023, 11:04:43
92	Sanket Bhasmare	Joined	15/02/2023, 11:04:44
93	Sanskriti Mane	Joined	15/02/2023, 11:04:44
94	Saurabh Bhamare	Joined	15/02/2023, 11:04:44
95	Saurabh Shinde	Joined	15/02/2023, 11:04:44
96	Shifa Khan	Joined	15/02/2023, 11:04:44
97	Shraddha Zaware	Joined	15/02/2023, 11:04:45
98	Sujeeth Parthasarathi	Joined	15/02/2023, 11:04:45
99	Sujit Babar	Joined	15/02/2023, 11:04:46
100	Tushar Gadkar	Joined	15/02/2023, 11:04:46



Name and Sign of Coordinator: Prof. Ajita A Mahapadi

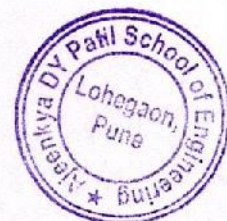
HoD: Dr. Pankaj Agarkar

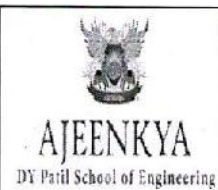
HOD
Computer Engineering
 Ajeenkya DY Patil School of Engineering
 Lohegaon, Pune





Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune





"Empowerment through quality technical education"
AJEENKYA D Y PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
Department of E&TC Engineering

A.Y. 2022-23

Date: 12/07/2022

Notice

All the faculties are hereby informed to attend the departmental meeting in CL-2 Lab on 13th July 2022 at 11.30 AM.

Agenda of meeting:

1. To discuss Course Outcomes (COs) of the subjects for semester-I,
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
3. Any other issue.

Dr. Sharan Inamdar

HoD (E&TC)

H. O. D.

Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg., Lohegaon



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Minutes of Meeting

Ref. No.: DYPSOE/E&TC-Dept/AY 2022-23

Date of Meeting: 13th July 2022, Time: 11:30 AM

Venue: CL-II Lab (Room No 231)

Agenda of Meeting

1. To discuss the Course Outcomes (COs) of the subjects of the program for semester-I,
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.


Presided By: Dr. Sharan Inamdar (HoD-E&TC)

Points Discussed

1. The COs, POs, PSOs & PEOs of the program are discussed.
2. It has been instructed to faculties to communicate the COs, POs, PSOs & PEOs to the students by sharing the same link as per the circular from the principal dated 11/07/2022, as well as by discussing the COs at the beginning of every unit of the subject.

Resolutions



- 1) It has been decided to communicate COs, POs, PSOs & PEOs of the program to the stakeholders.


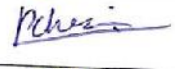


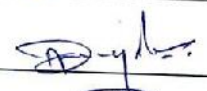

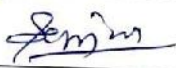
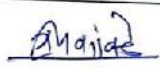
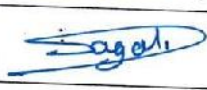

Prof. Shital Patil
Prepared By


Dr. Sharan Inamdar
HoD-E&TC


Principal

Following Teaching and non-teaching staff were present for the meeting

Sr. No.	Name of Faculty	Sign
1.	Dr. Sanjay Anand	
2.	Prof. Snehati S. Khawate	

3.	Dr. S.M. Koli	
4.	Prof. Prajakta Khairnar	
5.	Mr. R. L. Keri	
6.	Prof. Shital Patil	
7.	Prof. Anjali V. Dagade	
8.	Prof. Kalpita Mane	
9.	Prof. Sanjona Desai	
10.	Prof. Kranti Kamble	
11.	Prof. Sagar Dhawale	
12.		
13.		
14.		
15.		


Dr. Sharan Inamdar
HoD-E&TC

H.O.D.
Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg., Lohegaon




Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune





"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
Department of Engineering Sciences


Form No. IQAC/28


A.Y.2022-23

Date:-12/07/2022

Notice

All the faculties are hereby informed to attend the departmental meeting in Class Room no.125 on 13th July 2022 at 2.45 PM to discuss the Commencement of teaching for semester - I, Vision & Missions of the departments, Course Outcomes (COs) of the Subjects for Semester - I, Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the department.


Prof. Rohit Garad
HoD (Mech)


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Minutes of Meeting

Ref. No.: ADYPSOE/Mech-Dept./AY 2022-23/Meeting No. 01

Date of Meeting: 13th July 2022, Time: 2:45 PM

Venue: Classroom No .125

Agenda of Meeting

1. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
2. To discuss the Course Outcomes (COs) of the subjects of the program for semester-I.
3. To discuss the commencement of teaching for Semester-I.
4. To discuss vision & missions of the department.


Presided By: Prof. Rohit Garad (HoD-Mech)

Points Discussed

1. The COs, POs, PSOs & PEOs of the program are discussed.
2. It has been instructed to faculties to communicate the COs, POs, PSOs & PEOs to the stakeholders by sharing the link as per the circular from the principal sir, and discuss about the COs with the students.
3. As per the instructions from Principal, HoD has instructed to commence the teaching of semester-I for A.Y 2022-23 from 18th July 2022.
4. The vision and missions of the department are discussed in the meeting.

Resolutions

1. As per discussion it has been decided to communicate COs, POs, PSOs & PEOs of the program to the stakeholders.
2. It has been decided that all the faculties should work towards the fulfillment of vision & missions of the department.


Prof. Tejaswini Kulkarni
Prepared by


Prof. Rohit Garad
HoD- Mech


Principal


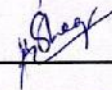





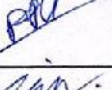














Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

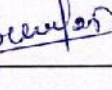

Department of Mechanical Engineering

Departmental Meeting



13-07-2022

Sr. No.	Name of the Employee	Sign
1	Prof. Rohit N. Garad	
2	Dr. Niranjana Shergokar	
3	Dr. Shreepad Sarange	
4	Dr. Santosh B. Jadhav	
5	Prof. Prashant G. Karajagi	
6	Prof. R. S. Thombare	
7	Prof. Amol B. Gaikwad	
8	Prof. Amol N. Patil	
9	Prof. Vikram M. Ghule	
10	Prof. Paresh P. Khairnar	
11	Prof. Umaji N. Kolekar	
12	Prof. Sachin S. Jadhav	
13	Prof. Jagruti C. Nimgulkar	
14	Prof. Tejaswini S. Kulkarni	
15	Prof. Kunal S. Marathe	
16	Prof. Dipak D. Shelke	
17	Prof. Amit A. Shinde	
18	Prof. Sandeep Bhaskar	
19	Prof. Sudarshan Martande	
20	Prof. Manojkumar Ambalagi	
21	Prof. Kundan S. Kolambe	

Technical Staff

1	Atul Pise	
2	Moreswar Kundap	

Peon

1	Mahesh Marathe	
2	Bhaskar Ghodekar	



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



A.Y. 2022-23

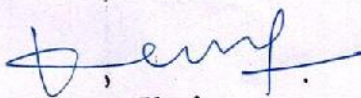
Date: 12/07/2022

Notice

All the faculties are hereby informed to attend the departmental meeting in Physics Lab on 13th July 2022 at 11.30 AM.

Agenda of meeting:

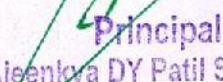
1. To discuss Course Outcomes (COs) of the subjects for semester-I,
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
3. Any other issue.



Dr. S.M Khairnar

HoD

H.O.D
Department of Engineering Sciences(F.E.)
Ajeenkya DY Patil School of Engineering



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





"Empowerment through quality technical education"

Dr. D. Y. Patil School of Engineering

Dr. Ajeenkya D Y Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412111

Department of Engineering Sciences

Minutes of Meeting

Ref. No.: DYP SOE/FE/AY 2021-22/Meeting No. 01

Date : 13 July 2022,

Time: 1:30 pm

Venue: Physics Lab (Room No 434)

Agenda of Meeting

1. To discuss the commencement of teaching for Semester-I, AY 2022-23.
2. To discuss the vision & missions of the department.
3. To discuss the Course Outcomes (COs) of the subjects of the program for Semester-I.
4. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.

Presided By: Prof. Dr. S. M. Khairnar (HoD-Engg. Sci.)

Points Discussed

1. As per the instructions of the principal, HoD has instructed to commence the teaching from 12 July 2022.
2. The vision and missions of the department are discussed in the meeting. HoD has instructed all the faculties to work towards the fulfillment of vision & missions of the program.
3. The COs, POs, PSOs & PEOs of the program are discussed.
4. It has been instructed to faculties to communicate the COs, POs, PSOs & PEOs to the stakeholders by sharing the link as per the circular from the principal dated 11/07/2022, and discuss about the COs with the students.

Resolutions

- 1) It has been decided to work on missions to fulfill the vision of the program.
- 2) It has been decided to communicate COs, POs, PSOs & PEOs of the program to the stakeholders.

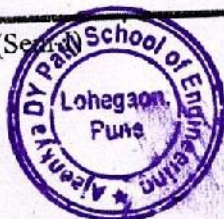
Prof. Vikas Mogadpalli
Dept. Coordinator for NAAC CR II

Prof. Dr. S. M. Khairnar
Head, Engg. Sci. Dept.
HOD

Engineering Sciences

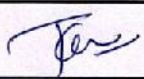
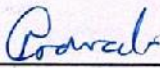
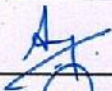

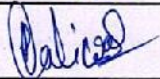

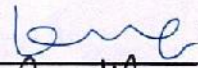
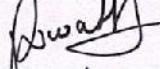
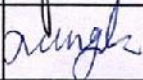
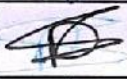

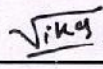
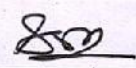
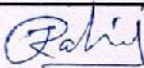

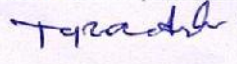
A. Y. 2021-22 (Sem-I)

MoM (24/12/2021)

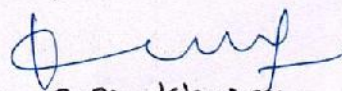


Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Following Teaching and non-teaching staff were present for the meeting

Sr. No.	Name of Faculty	Sign
1.	Dr. Karilas Tehare	
2.	Ms. Punam D. Gawali	
3.	Ms. G. Arga	
4.	Nikhil Raj Gupta	
5.	Prateeksha Patilwal	
6.	Dr. Arpita Yez	
7.	Dr. S. M. Khairnar	
8.	Prof. P. R. Newalkar	
9.	Prof. M. S. Nehe	
10.	Akanksha Sohoni	
11.	Ashutosh Patil	
12.	Mogadpani V.P	
13.	Sanjima Desai	
14.	Sachin Rohini	
15.	Poonam Musmade	
16.	Tejpal R. Paderhi	



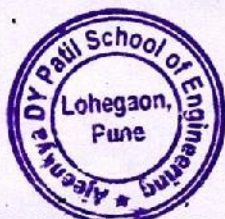

Dr. S.M. Khairnar

Head, Engg. Sci. Dept.

Dr. S. H.O.D.
Department of Engineering Sciences(F.E.)
Ajeenkya DY Patil School of Engineering

A. Y. 2021-22 (Sem-I)

MoM (24/12/2021)




Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

A.Y. 2022-23

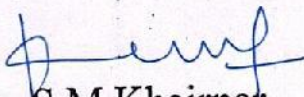
Date: 9/01/2023

Notice

All the faculties are hereby informed to attend the departmental meeting in Physics Lab on 13th Jan 2023 at 11,30 AM.

Agenda of meeting:

1. To discuss Course Outcomes (COs) of the subjects for semester-I,II
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
3. Any other issue.


Dr. S.M Khairnar

HoD

H.O.D
Department of Engineering Sciences(F.E.)
Ajeenkya D Y Patil School of Engineering




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





"Empowerment through quality technical education"

Dr. D. Y. Patil School of Engineering

Dr. Ajeenkya D Y Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 4

Department of Engineering Sciences

Minutes of Meeting

Ref. No.: DYP SOE/FE/AY 2021-22/Meeting No. 01

Date : 13 Jan 2023

Time: 11:30 am

Venue: Physics Lab (Room No 434)

Agenda of Meeting

1. To discuss the commencement of teaching for Semester-II, AY 2022-23.
2. To discuss the vision & missions of the department.
3. To discuss the Course Outcomes (COs) of the subjects of the program for Semester-I,
4. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program E Objectives (PEOs) of the program.


Presided By: Prof. Dr. S. M. Khairnar (HoD-Engg. Sci.)

Points Discussed

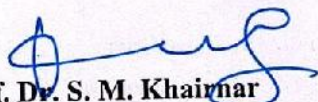
1. As per the instructions of the principal, HoD has instructed to commence the teach from 12 July 2022.
2. The vision and missions of the department are discussed in the meeting. HoD instructed all the faculties to work towards the fulfillment of vision & missions of the program
3. The COs, POs, PSOs & PEOs of the program are discussed.
4. It has been instructed to faculties to communicate the COs, POs, PSOs & PEOs to stakeholders by sharing the link as per the circular from the principal dated 05/01/2023, & discuss about the COs with the students.

Resolutions

- 1) It has been decided to work on missions to fulfill the vision of the program.
- 2) It has been decided to communicate COs, POs, PSOs & PEOs of the program to stakeholders.


Prof. Vikas Mogadpalli

Dept. Coordinator for NAAC CR-II


Prof. Dr. S. M. Khairnar

Head, Engg. Sci. Dept.

HOD

Engineering Sciences

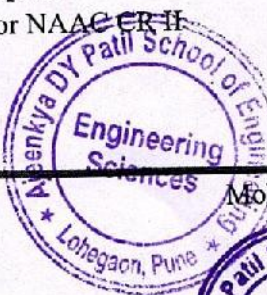
Ajeenkya DY Patil School of Engineering


Lohegaon, Pune

A.Y. 2021-22 (Sem-I)

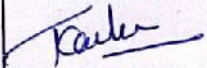
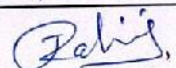

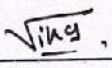
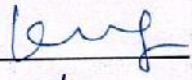
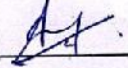
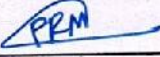
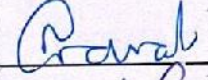
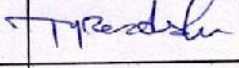
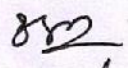
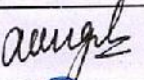
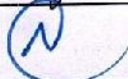
MOM (24/12/2021)

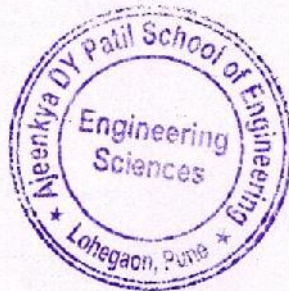
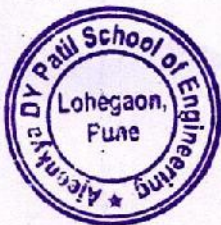
P.

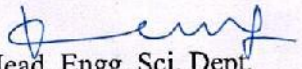



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

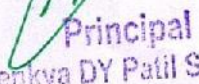
Following Teaching and non-teaching staff were present for the meeting

Sr. No.	Name of Faculty	Sign
1.	Dr. Kailas K. Tehare	
2.	Mr. Sachin Rohinj	
3.	Sanjana Desai	
4.	Mogadpalli V.P	
5.	Dr. S. M. Kharimar	
6.	G. Anya	
7.	Poonam Musmade	
8.	Punam D. Gawali	
9.	Tejpa R. padeshi	
10.	Sanjma Desai	
11.	Prof. M.S. Nehe	
12.	Nikhil Raj Gupta	
13.	—	—
14.	—	—
15.	—	—




Head, Engg. Sci. Dept.

H.O.D
Department of Engineering Sciences(F.E.)
Ajeenkya D Y Patil School of Engineering


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Academic Year: 2021-2022



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105
Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2021-22

Subject: Computer Networks & Security

Class: T.E

Semester: I

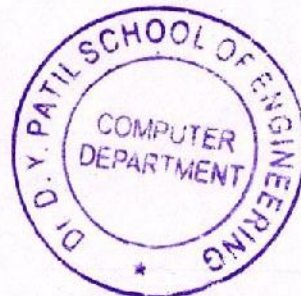
Div: A

Name of Subject Teacher: Prof. Amruta Chitari

CO No.	BT level	Students will be able to
CO-1	2-Understand	Summarize fundamental concepts of computer networks, architectures, protocols and technologies
CO-2	2-Understand	Illustrate the working and functions of data link layer
CO-3	4-Analyze	Analyze the working of different routing protocols and mechanisms
CO-4	3-Apply	Implement client-server applications using sockets
CO-5	2-Understand	Illustrate role of application layer with its protocols, Client-Server architectures
CO-6	2-Understand	Comprehend the basics of information security



Amruta
Prof. Amruta Chitari
Subject Teacher



Pankaj
Dr. Pankaj Agarkar
HoD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon, Charholi Bk, Pune - 412105

Ajeenkya
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 21-22

Semester: I

Subject: Computer Networks & Security

Class: TE

Div: A

Name of Subject Teacher: Prof. Amruta Chitari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	1		1	2	3	1		1			1	1	1		
CO-2	2- Understand		1		1	1		1			1			1		
CO-3	2- Understand	3		2	1	2							1	1	1	
CO-4	4-Analyze		2	1	2	1							1	1	1	
CO-5	2- Understand	1	3			1		1	1					1	2	
CO-6	2- Understand	1		2	1		1			1		1	1	1		
Average		1.50	2.00	1.50	1.40	1.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.33	-
Rounded off		2	2	2	2	2	1	1	1	1	1	1	1	1	2	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Prof. Amruta Chitari
Subject Teacher

Dr. Pankaj Agarkar
HoD

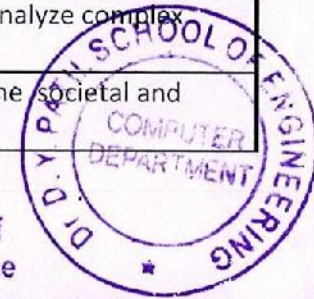
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	1	Slightly having the Knowledge of the fundamental concepts of computer networks and its application that helps in solving complex engineering problems
	PO3	1	Slightly the student using the knowledge of computer architecture concepts, we can design and develop solutions for complex engineering problems
	PO4	2	Moderately having Knowledge of Computer network technologies can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	3	Strongly having the Knowledge of the fundamental concepts of Data Structures and its application that helps in solving complex engineering problems
	PO6	1	Slightly mapped as the students, can use different modern tools to modeling to complex engineering activities with an understanding of the limitations.
	PO8	1	Slightly the students, can understand the ethical principals of the using computer network devices in the engineering practice
	PO11	1	Slight knowledge & understanding of the protocol can be applied in multidisciplinary environment
	PO12	1	Slightly having the understanding for the need of CN and have the preparation and ability to life-long learning in the broadest context of technological change
	PSO1	1	Slightly the student will study of fundamental concepts of OSI layer to analyse and develop algorithms and implement them using high-level programming languages.
CO-2	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture, IP & routing algorithm
	PO2	1	Students having marginal Knowledge of the datalink layer that helps in identifying complex engineering problems & solution to it
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge of flow control in data link layer can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	1	Slightly the students having the knowledge about WAN connectivity & Ethernet standard to analyze complex engineering activities with an understanding of the limitations.
	PO7	1	Slightly the student can understand the use of MAC sublayer, flow control & error control in the societal and environment context.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

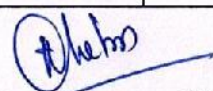


	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficient design of computer-based systems of varying.
	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture , IP & routing algorithm
CO-3	PO2	1	Students having marginal Knowledge of the datalink layer that helps in identifying complex engineering problems & solution to it
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge of flow control in data link layer can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	1	Slightly the students having the knowledge about WAN connectivity & Ethernet standard to analyze complex engineering activities with an understanding of the limitations.
	PO7	1	Slightly the student can understand the use of MAC sublayer ,flow control & error control in the societal and environment context.
	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficient design of computer-based systems of varying.
CO-4	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture , IP & routing algorithm
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge students can apply the concept of IP and routing algorithm in networking applications.
	PO5	2	Slightly the students will study different tools used for routing to complex engineering activities can be used to conduct experiments in real life problems to provide valid conclusions
	PO12	1	Slightly the student will become aware of the need for subnetting and the continued upgrading of technical knowledge of IP addressing
	PSO1	1	Slightly the student will have ability to understand, analyze and develop subnetting in the area of computer network for efficient design of computer-based systems of varying.
	PSO2	1	Slightly student Knowledge of routing concepts contribute skills in computing and knowledge engineering domain
	PO2	3	Strongly having the Knowledge of the fundamental concepts of transport layer services that helps in solving complex engineering problems.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

CO-5	PO3	1	Slightly the student having the Knowledge of client-server can design , develop, implement solutions for complex engineering problems.
	PO4	2	Moderately the knowledge of various tool of client -server architecture will help student to design and conduct experiments to provide valid conclusions
	PO5	1	Slightly the students will study different tools used to implement Client Server application using socket
	PO12	1	Moderately the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge in socket programming
	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of TCP in the area of computer network for efficient design .
	PSO2	1	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering domain of services of TCP & UDP in networking protocols.
CO-6	PO1	1	Slightly mapped as students will be able to understand the principles of the application layer protocol HTTP,FTP,SMTP & DNS
	PO2	3	Strongly mapped as students will be able identify working principles of application layer protocols HTTP , FTP, SMTP
	PO5	1	Slightly the students will study different tools used to in application layer
	PO7	1	Slightly the student can understand the use of application layer tool in the societal and environment context.
	PO8	1	Slightly the students will apply secure application protocol to ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of Application layer in the area of computer network for efficient design .
	PSO2	2	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering ,principles of application layer protocols fro developing networking applications.

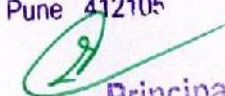



Prof. Amruta Chitari
Subject Teacher




Dr. Pankaj Agarkar
HoD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y Patil Technical Campus
Via Lohegaon Charholi Bk Pune 412105



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

		Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Chesholli (B), Lohgaon, Pune - 412 105 Website: https://dypse.ac.in Department of Computer Engineering																																													
CO-PO-PSO Attainment															Form No. IQAC/20																																
Academic Year: 2021-22															Semester: I																																
Subject: Computer Networks & Security																																															
Name of Subject Teacher: Prof. Anurag Chitambar															Class TE Div A																																
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (20%)						Direct Assessment (Externally) (70%) University Exams				Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO-1	Attainment	PSO-2	Attainment	PSO-3	Attainment
			Unit Test (20%)						Subject Result (70%)		PRIOR/TW (10%)		Mapping of (20% Internal tests) 10% Continuous Assessment + (60% Unit result) (TE) + 10% Unit oral result	Course Exit Survey	Mapping	Weightage (80% DA + 20% IDA)																															
			Summative Test	UT1	UT2	Mapping	CA (10%)	Mapping	% result of Sub.	Mapping	% Result of PIR/ OR/ TW	Mapping																																			
CO-1	Summarize fundamental concepts of computer networks, architectures, protocols and technologies	2-Understand	97.73			3.0	81.36	3	100.00	3.0	99.43	3.0	3.00	100.00	3.0	3.00	1	1			1	1	2	2	3	3	1	1			1	1					1	1	1	1	1	1					
CO-2	Illustrate the working and functions of data link layer	2-Understand		98.84		3.0	81.36	3	100.00	3.0	99.43	3.0	3.0	100.00	3.0	3.00			1	1			1	1	1	1			1	1									1	1							
CO-3	Analyze the working of different routing protocols and mechanisms	4-Analyze		98.84		3.0	81.36	3	100.00	3.0	99.43	3.0	3.0	92.59	3.0	3.00	3	3			2	2	1	1	2	2											1	1	1	1	1	1					
CO-4	Implement client-server applications using sockets	3-Apply			###	3.0	81.36	3	100.00	3.0	99.43	3.0	3.0	92.13	3.0	3.00			2	2	1	1	2	2	1	1												1	1	1	1	1	1				
CO-5	Illustrate role of application layer with its protocols, Client-Server architectures	2-Understand			###	3.0	81.36	3	100.00	3.0	99.43	3.0	3.0	92.59	3.0	3.00	1	1	3	3					1	1			1	1	1	1							1	1	2	2					
CO-6	Comprehend the bases of information security	2-Understand			###	3.0	81.36	3	100.00	3.0	99.43	3.0	3.0	90.28	3.0	3.00	1	1			2	2	1	1			1	1			1	1					1	1	1	1	1	1					
Mapping Criteria: -->			Marks >=60: Level 3						Marks >=50: Level 2				Marks >=40: Level 1				Avg. Attainment of PO-1	Avg. Attainment of PO-2	Avg. Attainment of PO-3	Avg. Attainment of PO-4	Avg. Attainment of PO-5	Avg. Attainment of PO-6	Avg. Attainment of PO-7	Avg. Attainment of PO-8	Avg. Attainment of PO-9	Avg. Attainment of PO-10	Avg. Attainment of PO-11	Avg. Attainment of PO-12	Avg. Attainment of PSO-1	Avg. Attainment of PSO-2	Avg. Attainment of PSO-3																
																	1.30	2.00	1.50	1.40	1.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.33															


 Prof. Anurag Chitambar
 Subject Teacher


 Dr. Pankaj Agarwal
 H.O.D




Principal
 Ajeenkya DY Patil School of Engineering, Lohgaon, Pune

Head of the Department
 Department of Computer Engineering
 Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Technical Campus
 No. 2, Lohgaon, Lohgaon - Pune - 412105



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering

D. Y. Patil Knowledge City,
Lohegaon, Pune – 412 105

Dr.

Charholi (Bk),

Website: <https://dypsoe.in/>

Department of Mechanical Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2021-22

Subject: Kinematics of Machinery

Class: SE

Semester: 2

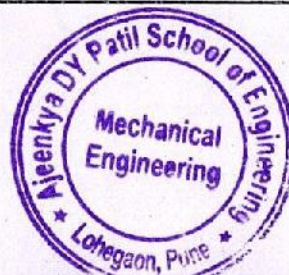
Div: B

Name of Subject Teacher: Mr. P. G. Karajagi

CO No.	BT level	Students will be able to
CO-1	3-Apply	Student will be able to apply kinematic analysis to simple mechanisms
CO-2	4-Analyze	Student will be able to analyze velocity and acceleration in mechanisms by Analytical method
CO-3	3-Apply	Student will be able to analyze velocity and acceleration in mechanisms by vector and graphical method
CO-4	3-Apply	The student will be able to synthesize a four bar mechanism with analytical and graphical methods
CO-5	6-Create	Student will be able to apply fundamentals of gear theory as a prerequisite for gear design
CO-6	6-Create	Student will be able to construct cam profile for given follower motion

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Prof. Prashant Karajagi



Prof. R. N. Garad
HOD

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Mechanical Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2021-22

Semester: II

Subject: Kinematics of Machinery

Class: SE Div: B

Name of Subject Teacher: Prof. P. G. Karajagi

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	3-Apply	3		3	2									2		
CO-2	4-Analyze	3	3	2	2										2	
CO-3	3-Apply	3	2		2										2	
CO-4	3-Apply	3		2	3									1		
CO-5	6-Create	3		3											2	
CO-6	6-Create	3	3	3											2	
Average		3.00	2.50	2.50	2.25	-	-	-	-	-	-	-	-	1.50	2.00	-
Rounded off		3	3	3	3									2	2	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Prof. Prashant Karajagi

Prof. R. N. Garad
HOD



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

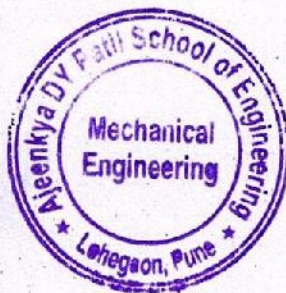


Justification for CO-PO Mapping.

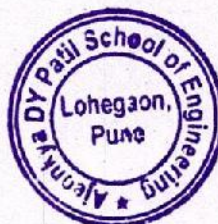
CO No.	PO/PSO	Level	Justification of Mapping
CO-1	PO1	3	Strongly students having the knowledge of kinematics and mechanisms
	PO3	3	Strongly students can provide the mechanisms for problems.
	PO4	2	Moderately students will apply the concept of DOF to real life applications.
	PSO1	2	Moderately student will understand the mechanisms used in automobile field.
CO-2	PO1	3	Strongly students having the knowledge of kinematics and analytical methods.
	PO2	3	Strongly students will analyze the IC engine mechanism.
	PO3	2	Moderately students will design the mechanisms for applications.
	PO4	2	Moderately the student will analyze real life mechanisms.
	PSO2	2	Moderately the student will understand the application in automobile field.
CO-3	PO1	3	Strongly students having the knowledge of kinematics and mechanisms
	PO2	2	Strongly students can solve the problems using graphical method.
	PO4	2	Moderately students will solve the mechanisms with coriolis components.
	PSO2	2	Moderately student will understand the mechanisms used in automobile field.
CO-4	PO1	3	Strongly students having the knowledge of synthesis of four bar mechanisms.
	PO3	2	Moderately the student will design the mechanisms for different input and output motions.
	PO4	3	Strongly students will synthesize the mechanisms for applications.
	PSO1	1	Slightly the student will provide the design for real life problems.
CO-5	PO1	3	Strongly students having the knowledge of gear and gear kinematics.
	PO3	3	Strongly students will provide the gear design for various input and output speed conditions.
	PSO1	2	Moderately students will understand the gear drives used in automobile industry.
CO-6	PO1	3	Strongly students having the knowledge of cam profile generation.
	PO2	3	Strongly students will analyze the cam profile for various motion conditions.
	PO3	3	Strongly students will design the cam for applications.
	PSO2	2	Moderately students will understand the use of cam shaft in automobile industry.

Prof. Prashant Karajagi

Prof. R. N. Garad
HOD



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Academic Year: 2021-22

Subject: Kinematics of Machinery

Name of Subject Teacher: Prof. P. G. Karajagi

CO No.	Statement of COs	Blooms Taxonomy	Direct Assessment (Internal) (30%)					Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)	Indirect Assessment (IDA)		CO Attainment
			Unit Test (20%)			CA (10%)		Subject Result (60%)		PR/OR/TW (10%)		Mapping of (20% Internal tests+10% Continuous Assessment +60% Univ result(TII)+ 10% Univ oral result	Course Exit Survey	Mapping	Weightage (80% DA+ 20% IDA)
			UT1	UT 2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW	Mapping				
CO-1	Student will be able to apply kinematic analysis to simple mechanisms	3-Apply	64.29		3.0	81.81	3	94.16	3.0	100.00	3.0	3.00	85.96	3.0	3.00
CO-2	Student will be able to analyze velocity and acceleration in mechanisms by Analytical method	4-Analyze	81.82		3.0	81.81	3	94.16	3.0	100.00	3.0	3.0	92.98	3.0	3.00
CO-3	Student will be able to analyze velocity and acceleration in mechanisms by vector and graphical method	3-Apply	71.43		3.0	81.81	3	94.16	3.0	100.00	3.0	3.0	87.72	3.0	3.00
CO-4	The student will be able to synthesize a four bar mechanism with analytical and graphical methods	3-Apply		100.00	3.0	81.81	3	94.16	3.0	100.00	3.0	3.0	87.72	3.0	3.00
CO-5	Student will be able to apply fundamentals of gear theory as a prerequisite for gear design	6-Create		78.57	3.0	81.81	3	94.16	3.0	100.00	3.0	3.0	92.98	3.0	3.00
CO-6	Student will be able to construct cam profile for given follower motion	0		78.57	3.0										
Mapping Criteria ->			Marks >=60: Level 3					Marks >=50: Level 2				Marks >=40: Level 1			



PGK
Prof. Prashant Karajagi



[Signature]
Prof. R. N. Garad
HOD

[Signature]
Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment
3	3			3	3	2	2																	2	2				
3	3	3	3	2	2	2	2																			2	2		
3	3	2	2			2	2																			2	2		
3	3			2	2	3	3																	1	1				
3	3			3	3																					2	2		
Avg. Attainment of PO-1		Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3	
3.00		3.00		2.50		2.25																		1.50		2.00			



Prof. Prashant Karajagi

Prof. R. N. Garad
HOD

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,

Charholi (Bk), Lohegaon, Pune – 412 105

Website: www.dypic.in Contact No.:020-6707 7926

Department of Mechanical Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2021-22

Subject: Manufacturing Processes

Class: SE

Semester: II

Div: A

Name of Subject Teacher: Tejaswini Kulkarni

CO No.	BT level	Students will be able to
CO-1	2-Understand	SELECT appropriate moulding, core making and melting practice and estimate pouring time, solidification rate and DESIGN riser size and location for sand casting process
CO-2	2-Understand	UNDERSTAND mechanism of metal forming techniques and CALCULATE load required for flat rolling
CO-3	3- Apply	DEMONSTRATE press working operations and APPLY the basic principles to DESIGN dies and tools for forming and shearing operations
CO-4	4-Analyze	CLASSIFY and EXPLAIN different welding processes and EVALUATE welding characteristics
CO-5	3- Apply	DIFFERENTIATE thermoplastics and thermosetting and EXPLAIN polymer processing techniques
CO-6	2-Understand	UNDERSTAND the principle of manufacturing of fibre-reinforce composites and metal matrix composites

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Tejaswini Kulkarni



[Signature]

[Signature]
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

D. Y. Patil School of Engineering

D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Mechanical Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year::2021-22

Semester: II

Subject: Manufacturing Processes

Class: SE - Div:A

Name of Subject Teacher: Prof. T.S.Kulkarni

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4- Analyze	3	3				2						1	1		1
CO-2	2- Understand	3	3	2				1					1	1		2
CO-3	2- Understand	2	1	1	2								2	1		2
CO-4	3- Apply	2	2				2						2	2		2
CO-5	2- Understand	3	2									1	1	1	1	
CO-6	3- Apply	2						3					2	2		
Average		2.50	2.20	1.50	2.00	-	2.00	2.00	-	-	-	1.00	1.50	1.33	1.00	1.75
Rounded off		3	3	2	2		2	2				1	2	2	1	2

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



Prof. T.S.Kulkarni



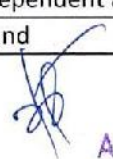
[Signature]

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Justification for CO-PO Mapping.

CO No.	PO/PSO	Level	Justification of Mapping
CO-1	PO1	3	Strongly students will apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
	PO2	3	Strongly the student will identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
	PO6	2	Moderately the student will apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
	PO11	1	Slightly the student will demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
	PO12	1	Slightly the student will recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
	PSO1	1	Slightly the student will have competencies in usage of modern tools to optimally design, develop and manufacture product and process
	PSO3	1	Slightly the student will develop industry oriented attributes through effective training and continuous monitoring
CO-2	PO1	3	Strongly students will apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
	PO2	3	Strongly the student will identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering
	PO3	2	Moderately students will design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
	PO7	1	Slightly the students will understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
	PO12	1	Slightly the student will recognize the need for, and have the preparation and ability to engage in independent and
	PSO1	1	Slightly the student will have competencies in usage of modern tools to optimally design, develop and

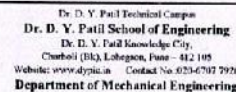



Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

	PSO3	2	Moderately develop industry oriented attributes through effective training and continuous monitoring
CO-3	PO1	2	Moderately students will apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
	PO2	1	Slightly the student will identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering
	PO3	1	Slightly students will design solutions for complex engineering problems and design system components or
	PO4	2	Moderately the student will use research-based knowledge and research methods including design of experiments,
	PO12	2	Moderately the student will recognize the need for, and have the preparation and ability to engage in independent
	PSO1	1	Slightly the student will have competencies in usage of modern tools to optimally design, develop and
	PSO3	2	Moderately the student will develop industry oriented attributes through effective training and continuous
CO-4	PO1	2	Moderately students will apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
	PO2	2	Moderately the student will identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
	PO6	2	Moderately the student will apply reasoning informed by the contextual knowledge to assess societal, health,
	PO12	2	Moderately the student will recognize the need for, and have the preparation and ability to engage in independent
	PSO1	2	Moderately students have competencies in usage of modern tools to optimally design, develop and manufacture
	PSO3	2	Moderately develop industry oriented attributes through effective training and continuous monitoring
CO-5	PO1	2	Moderately students will apply the knowledge of mathematics, science, engineering fundamentals, and an
	PO2	2	Moderately students will identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering
	PO11	1	Slightly students will demonstrate knowledge and understanding of the engineering and management principles
	PO12	1	Slightly the student will recognize the need for, and have the preparation and ability to engage in independent and
	PSO1	1	Slightly the student will have competencies in usage of modern tools to optimally design, develop and
	PSO2	1	Slightly the student will have incremental skills to enhance employability in the automotive and thermal
CO-6	PO1	2	Moderately students will apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
	PO7	3	Strongly the student will understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
	PO12	2	Moderately the student will recognize the need for, and have the preparation and ability to engage in independent
	PSO1	2	Moderately the student will have competencies in usage of modern tools to optimally design, develop and manufacture product and process



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



CO-PO-PSO Attainment

Academic Year: 2021-22


Subject: MP

Name of Subject Teacher: Tejaswini Kulkarni

Semester II

CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (35%)				Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)	Indirect Assessment (IDA)		CO Attainment	Class SE																				Div A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			Unit Test (20%)		CA (15%)		Subject Result (30%)		PIIIOR/TW (10%)			Mapping of (70% Internal Test+10% Coursework Assessment +60% Uds result)(70% 10% Uds oral result)	Course E&R Survey		Mapping	Weightage (80% DA+ 20% IDA)	PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PO13	Attain ment	PO14	Attain ment	PO15	Attain ment	PO16	Attain ment	PO17	Attain ment	PO18	Attain ment	PO19	Attain ment	PO20	Attain ment	PO21	Attain ment	PO22	Attain ment	PO23	Attain ment	PO24	Attain ment	PO25	Attain ment	PO26	Attain ment	PO27	Attain ment	PO28	Attain ment	PO29	Attain ment	PO30	Attain ment	PO31	Attain ment	PO32	Attain ment	PO33	Attain ment	PO34	Attain ment	PO35	Attain ment	PO36	Attain ment	PO37	Attain ment	PO38	Attain ment	PO39	Attain ment	PO40	Attain ment	PO41	Attain ment	PO42	Attain ment	PO43	Attain ment	PO44	Attain ment	PO45	Attain ment	PO46	Attain ment	PO47	Attain ment	PO48	Attain ment	PO49	Attain ment	PO50	Attain ment	PO51	Attain ment	PO52	Attain ment	PO53	Attain ment	PO54	Attain ment	PO55	Attain ment	PO56	Attain ment	PO57	Attain ment	PO58	Attain ment	PO59	Attain ment	PO60	Attain ment	PO61	Attain ment	PO62	Attain ment	PO63	Attain ment	PO64	Attain ment	PO65	Attain ment	PO66	Attain ment	PO67	Attain ment	PO68	Attain ment	PO69	Attain ment	PO70	Attain ment	PO71	Attain ment	PO72	Attain ment	PO73	Attain ment	PO74	Attain ment	PO75	Attain ment	PO76	Attain ment	PO77	Attain ment	PO78	Attain ment	PO79	Attain ment	PO80	Attain ment	PO81	Attain ment	PO82	Attain ment	PO83	Attain ment	PO84	Attain ment	PO85	Attain ment	PO86	Attain ment	PO87	Attain ment	PO88	Attain ment	PO89	Attain ment	PO90	Attain ment	PO91	Attain ment	PO92	Attain ment	PO93	Attain ment	PO94	Attain ment	PO95	Attain ment	PO96	Attain ment	PO97	Attain ment	PO98	Attain ment	PO99	Attain ment	PO100	Attain ment	PO101	Attain ment	PO102	Attain ment	PO103	Attain ment	PO104	Attain ment	PO105	Attain ment	PO106	Attain ment	PO107	Attain ment	PO108	Attain ment	PO109	Attain ment	PO110	Attain ment	PO111	Attain ment	PO112	Attain ment	PO113	Attain ment	PO114	Attain ment	PO115	Attain ment	PO116	Attain ment	PO117	Attain ment	PO118	Attain ment	PO119	Attain ment	PO120	Attain ment	PO121	Attain ment	PO122	Attain ment	PO123	Attain ment	PO124	Attain ment	PO125	Attain ment	PO126	Attain ment	PO127	Attain ment	PO128	Attain ment	PO129	Attain ment	PO130	Attain ment	PO131	Attain ment	PO132	Attain ment	PO133	Attain ment	PO134	Attain ment	PO135	Attain ment	PO136	Attain ment	PO137	Attain ment	PO138	Attain ment	PO139	Attain ment	PO140	Attain ment	PO141	Attain ment	PO142	Attain ment	PO143	Attain ment	PO144	Attain ment	PO145	Attain ment	PO146	Attain ment	PO147	Attain ment	PO148	Attain ment	PO149	Attain ment	PO150	Attain ment	PO151	Attain ment	PO152	Attain ment	PO153	Attain ment	PO154	Attain ment	PO155	Attain ment	PO156	Attain ment	PO157	Attain ment	PO158	Attain ment	PO159	Attain ment	PO160	Attain ment	PO161	Attain ment	PO162	Attain ment	PO163	Attain ment	PO164	Attain ment	PO165	Attain ment	PO166	Attain ment	PO167	Attain ment	PO168	Attain ment	PO169	Attain ment	PO170	Attain ment	PO171	Attain ment	PO172	Attain ment	PO173	Attain ment	PO174	Attain ment	PO175	Attain ment	PO176	Attain ment	PO177	Attain ment	PO178	Attain ment	PO179	Attain ment	PO180	Attain ment	PO181	Attain ment	PO182	Attain ment	PO183	Attain ment	PO184	Attain ment	PO185	Attain ment	PO186	Attain ment	PO187	Attain ment	PO188	Attain ment	PO189	Attain ment	PO190	Attain ment	PO191	Attain ment	PO192	Attain ment	PO193	Attain ment	PO194	Attain ment	PO195	Attain ment	PO196	Attain ment	PO197	Attain ment	PO198	Attain ment	PO199	Attain ment	PO200	Attain ment																																																																																																																																																			
			UT 1	UT 2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PIR/ ORL/ TW																																																																																																																																																																																																																																																																																																																																																																																																																							Mapping																																																																																																																																																		
			UT 1	UT 2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PIR/ ORL/ TW																																																																																																																																																																																																																																																																																																																																																																																																																							Mapping																																																																																																																																																		
CO-1	SELECT appropriate moulding, core making and meeting practice and estimate pouring time, solidification rate and DESIGN riser size and location for sand casting process	2-Understand	96.97	3.0	100.00	3	94.16	3.0	100.00	3.0	6.00	6.0	2.40	3	2.4	3	2.4	0	0	0	0	0	0	0	2	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2021-22

Subject: Data Science and Big Data Analytics


Class: T.E

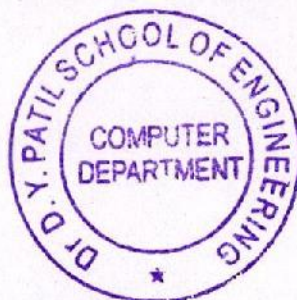
Semester: II

Div: A

Name of Subject Teacher: Prof. Amruta Chitari

CO No.	BT level	Students will be able to
CO-1	1-Remember	Analyze needs and challenges for Data Science Big Data Analytics
CO-2	2-Understand	Apply statistics for Big Data Analytics
CO-3	4-Analyze	Apply the lifecycle of Big Data analytics to real world problems
CO-4	3-Apply	Implement Big Data Analytics using Python programming
CO-5	4-Analyze	Implement data visualization using visualization tools in Python programming
CO-6	3-Apply	To apply clustering algorithms and identify its applicability in real life problems



Prof. Amruta Chitari
Subject Teacher




Dr. Pankaj Agarkar

HoD

Head of the Department
Department of Computer Engineering,
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon Charholi Bk Pune 412105


Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105
Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 21-22

Semester: II

Subject: Data Science and Big Data Analytics

Class: TE

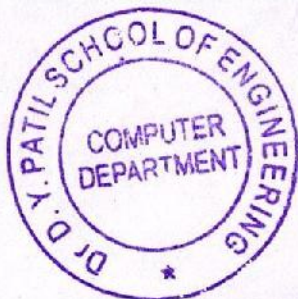
Div: A

Name of Subject Teacher: Prof. Amruta Chitari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	1-Remember	1	3	2	1					1			1	2		
CO-2	2-Understand	1	2	1	2		1			1			1	1		
CO-3	4-Analyze	2	1	2	1		1			1			1	1		1
CO-4	3-Apply	1	2	2	2	2				1			1	1	2	1
CO-5	4-Analyze	1	2	2	1	2				1			1	1	2	1
CO-6	3-Apply	1	2	1	2	2				1			1	2	2	1
Average		1.17	2.00	1.67	1.50	2.00	1.00	-	-	1.00	-	-	1.00	1.33	2.00	1.00
Rounded off		2	2	2	2	2	1			1			1	2	2	1

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation

Prof. Amruta Chitari
Subject Teacher



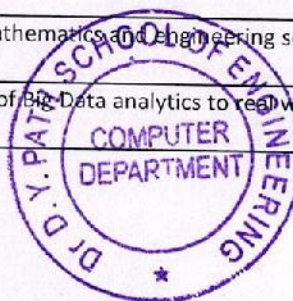
Dr. Pankaj Agarkar
HoD


Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk Pune 412105

Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	1	Slightly having the basic knowledge of the fundamental concepts to analyze needs and challenges for data Science that helps in solving complex engineering problems
	PO2	3	Strongly students will be able to analyse various challenges to identify concepts to solve.
	PO3	2	Moderately students will be able to design solutions for various need & Challenges of Big Data
	PO4	1	Slightly the student will be able to conduct various experiments using various techniques of Data Science for conclusion
	PO9	1	Slightly the student will be able to analyse, discuss need & Challenges of Big Data and formulate models in groups
	PSO1	2	Weakly students learns various approaches and acquire skills to design, analyse and develop algorithms and implement them
CO-2	PO1	1	Slightly students will be able to apply the knowledge of basic mathematics into statistics for Big Data Analytics for solving engineering problem
	PO2	1	Slightly students will be able to analyse problems to identify statistics
	PO3	1	Slightly the students will know Principles of mathematics and engineering sciences are used in various aspects of Big Data Analytics
	PO4	1	Slightly the student using the knowledge of linear Data Structures concepts, we can design and develop solutions for complex engineering problems
	PO5	1	Slightly having knowledge of big data analytics can be used to conduct experiments in real life problems to provide valid conclusions
	PO7	1	Slightly the student can understand the impact of Big data analytics in the societal and environment context.
	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Big Data Analytics
	PSO1	1	Slightly the student will study of fundamental concepts of Big Data Anyatics to analyse and implement them efficient design of computer-based systems of varying.
	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of lifecycle of Big Data Analytics
	PO2	1	Slightly students will be able to apply lifecycle of Big Data analytics to real world problems




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

CO-3	PO3	2	Moderately having Knowledge of lifecycle of big data analytics can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge of lifecycle of big data analytics can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	2	Slightly the students will study different tools used for prediction and modeling to complex engineering activities can be used to conduct experiments in real life problems to provide valid conclusions
	PO12	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of big data Analytics
	PSO1	1	Slightly the student will have ability to understand, analyze and develop computer programs in the areas big data analytics for efficient design of computer-based systems of varying.
CO-4	PO1	3	Strongly having the Knowledge of the fundamental concepts of python that helps in solving complex engineering problems.
	PO2	1	Slightly the student will know the principles of mathematics and engineering sciences used in various aspects of big Data analytics implementation
	PO3	2	Moderately the student having the Knowledge of Python can design , develop, implement solutions for complex engineering problems.
	PO4	1	Weakly the knowledge of various tool of python programming will help student to design and conduct experiments to provide valid conclusions
	PO5	2	Moderately the students will study different tools used to implement big data analytics
	PO9	1	Weakly Expertise developed, which will enable the student to become a productive member of a design team
	PO11	1	Slight knowledge & understanding of the python programming to can be applied in multidisciplinary environment
	PO12	1	Moderately the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge
	PSO1	1	Moderately Study of regression model working acquire skills to design, analyse and develop algorithms and implement them using openCV
	PSO2	2	Moderately Identification of big data analytics area contribute skills in computing and knowledge engineering domain
CO-5	PO1	1	Slightly having the Knowledge of the fundamental data visualization that helps in solving complex engineering problems
	PO2	3	Strongly the student will know the principles of mathematics and engineering sciences used in various aspects of data visualization
	PO5	1	Slightly the students having the knowledge about data visualization techniques, resources, data visualization tools to analyze complex engineering activities with an understanding of the limitations.
	PO7	1	Slightly the student can understand the use of data visualization tool in the societal and environment context.

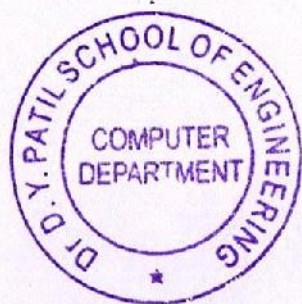


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

CO-6	PO8	1	Slightly the students will apply data visualization techniques to ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
	PSO1	1	Weakly students learns various approaches and acquire skills to design, analyse and implement data visualization tools.
	PSO2	2	Moderately student Knowledge of data visualization concepts contribute skills in computing and knowledge engineering domain
	PO1	1	Strongly student will be able to compare study of different feature selection techniques that helps in involves solving complex engineering problems
	PO3	2	Moderately having Knowledge of big database & hadoop can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Knowledge can be used to design & conduct experiment to provide conclusion.
	PO6	1	Slightly student Hadoop ecosystem knowledge can be used to find solutions to common social problems
	PO12	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge
	PSO1	2	Moderately having knowledge about design & implementation of Big Databases will help to acquire skills to design, analyse and develop algorithms and implement them using Hadoop ecosystem
	PSO2	2	Moderately having knowledge of Hadoop can contribute skills in computing and knowledge engineering domain

Amruta

Prof. Amruta Chitari
Subject Teacher



P.M. Agarkar

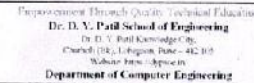
Dr. P.M. Agarkar
HoD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon, Charholi Bk Pune 412105

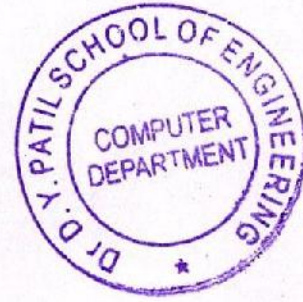


Ajeenkya DY Patil

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Dr. Pankaj Agarkar
HOD





Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoe.in/>
Department of First Year Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2021-22

Subject: Engineering Mathematics - II

Class: FE

Semester: II

Div: C

Name of Subject Teacher: Dr. S.M.Khairnar

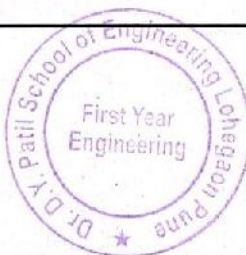
CO No.	BT level	Students will be able to
CO-1	4-Analyze	The effective mathematical tools for solutions of first order differential equations.
CO-2	2-Understand	The model physical processes such as Newton's law of cooling, electrical circuit, rectilinear motion, mass spring systems, heat transfer etc
CO-3	3-Apply	Advanced integration techniques such as Reduction formulae, Beta functions, Gamma functions, Differentiation under integral sign and Error functions needed in evaluating multiple integrals and their applications.
CO-4	4-Analyze	To trace the curve for a given equation and measure arc length of various curves.
CO-5	4-Analyze	The concepts of solid geometry using equations of sphere, cone and cylinder in a comprehensive manner.
CO-6	3-Apply	Evaluation of multiple integrals and its application to find area bounded by curves, volume bounded by surfaces, Centre of gravity and Moment of inertia.

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Signature

Subject Teacher

(Name: Dr. S.M.Khairnar)



Signature

Head of Department

(Name: Dr. S.M.Khairnar)

Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoe.in/>
Department of First Year Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2021-22

Semester: II

Subject: Engineering Mathematics - II

Class: FE

Div: C

Name of Subject Teacher: Dr. S.M.Khairnar

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	1													
CO-2	2-Understand	2	2													
CO-3	3-Apply	2	1													
CO-4	4-Analyze	2	1													
CO-5	4-Analyze	2	1													
CO-6	3-Apply	2	2													
Average		2.00	1.33	-	-	-	-	-	-	-	-	-	-	-	-	-
Rounde d off		2	2													

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation



[Signature]
 Signature

Subject Teacher
 (Name: Dr. S.M.Khairnar)



[Signature]
 Signature

Head of Department
 (Name: Dr. S.M.Khairnar)


[Signature]
 Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune


Justification for mapping CO to corresponding PO
Engineering Mathematics - II

Course Outcome (CO)	Mapped PO	Level	Justification
CO 1	PO 1	2	Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Discipline specific engineering problems.
	PO 2	1	Plan to perform experiments and practices to use the results to solve broad-based engineering problems.
CO 2	PO 1	2	Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Discipline specific engineering problems.
	PO 2	2	Plan to perform experiments and practices to use the results to solve broad-based engineering problems.
CO 3	PO 1	2	Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Discipline specific engineering problems.
	PO 2	1	Plan to perform experiments and practices to use the results to solve broad-based engineering problems.
CO 4	PO 1	2	Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Discipline specific engineering problems.
	PO 2	1	Plan to perform experiments and practices to use the results to solve broad-based engineering problems.
CO 5	PO 1	2	Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Discipline specific engineering problems.
	PO 2	1	Plan to perform experiments and practices to use the results to solve broad-based engineering problems.
CO 6	PO 1	2	Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Discipline specific engineering problems.
	PO 2	2	Plan to perform experiments and practices to use the results to solve broad-based engineering problems.


Dr. S.M. Khairnar
Subject Teacher




Dr. S. M. Khairnar
Head, Engg. Sciences Dept


Principal
Ajeenkya D.Y. Patil School of
Engineering, Lohegaon, Pune



CO-PO-PSO Attainment

* Form No. IQAC/36

Academic Year: 2021-22

Subject: Engineering Mathematics - II

Name of Subject Teacher: Dr. S.N.Khairnar

Semester: II

[illegible]

Dr. S.M. Chaurasia
Subject Teacher



Dr. S.M. Khairnar
HcD


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Academic Year: 2020-2021



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoc.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2020-21

Subject: Computer Network

Name of Subject Teacher: Prof. Amruta Chitari

Class: TE

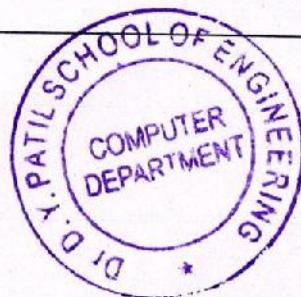
Semester: 1

Div: A

CO No.	BT level	Students will be able to
CO-1	4-Analyze	Analyze the requirements for a given organizational structure to select the most appropriate networking architecture, topologies, transmission mediums, and technologies
CO-2	3-Apply	Demonstrate design issues, flow control and error control
CO-3	4-Analyze	Analyze data flow between TCP/IP model using Application, Transport and Network Layer Protocols
CO-4	3-Apply	Illustrate applications of Computer Network capabilities, selection and usage for various sectors of user community.
CO-5	3-Apply	Illustrate Client-Server architectures and prototypes by the means of correct standards and technology
CO-6	3-Apply	Demonstrate different routing and switching algorithms

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Prof. Amruta Chitari
Subject Teacher



Dr. Pankaj Agarkar
HOD

Principal

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2020-21

Subject: Computer Network

Name of Subject Teacher: Prof. Amruta Chitari

Semester: 1

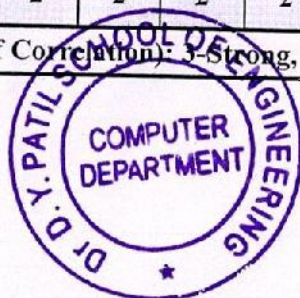
Class: TE

Div: A

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	1		1	2	3	1		1			1	1	1		
CO-2	3-Apply		1		1	1		1			1			1		
CO-3	4-Analyze	3		2	1	2							1	1	1	
CO-4	3-Apply		2	1	2	1							1	1	1	
CO-5	3-Apply	1	3			1		1	1					1	2	
CO-6	3-Apply	1		2	1		1			1		1	1	1		
Average		1.50	2.00	1.50	1.40	1.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.33	-
Rounded off		2	2	2	2	2	1	1	1	1	1	1	1	1	2	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Prof. Amruta Chitari
Subject Teacher



Dr. Pankaj Agarkar
HOD

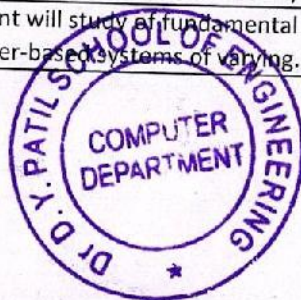
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Charholi Bk Pune - 412 105



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	1	Slightly having the Knowledge of the fundamental concepts of computer networks and its application that helps in solving complex engineering problems
	PO3	1	Slightly the student using the knowledge of computer architecture concepts, we can design and develop solutions for complex engineering problems
	PO4	2	Moderately having Knowledge of Computer network technologies can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	3	Strongly having the Knowledge of the fundamental concepts of Data Structures and its application that helps in solving complex engineering problems
	PO6	1	Slightly mapped as the students, can use different modern tools to modeling to complex engineering activities with an understanding of the limitations.
	PO8	1	Slightly the students, can understand the ethical principals of the using computer network devices in the engineering practice
	PO11	1	Slight knowledge & understanding of the protocol can be applied in multidisciplinary environment
	PO12	1	Slightly having the understanding for the need of CN and have the preparation and ability to life-long learning in the broadest context of technological change
	PSO1	1	Slightly the student will study of fundamental concepts of OSI layer to analyse and develop algorithms and implement them using high-level programming languages.
CO-2	PO2	1	Students having marginal Knowledge of the datalink layer that helps in identifying complex engineering problems & solution to it
	PO4	1	Slightly having Knowledge of flow control in data link layer can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	1	Slightly the students having the knowledge about WAN connectivity & Ethernet standard to analyze complex engineering activities with an understanding of the limitations.
	PO7	1	Slightly the student can understand the use of MAC sublayer, flow control & error control in the societal and environment context.
	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficient design of computer-based systems of varying.




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

CO-5	PO1	1	Slightly mapped as students will be able to understand the principles of the application layer protocol HTTP,FTP,SMTP & DNS
	PO2	3	Strongly mapped as students will be able identify working principles of application layer protocols HTTP , FTP, SMTP,DNS
	PO5	1	Slightly the students will study different tools used to in application layer
	PO7	1	Slightly the student can understand the use of application layer tool in the societal and environment context.
	PO8	1	Slightly the students will apply secure application protocol to ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of Application layer in the area of computer network for efficient design .
	PSO2	2	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering ,principles of application layer protocols fro developing networking applications.
CO-6	PO1	1	Slightly student will be able to compare study of different cryptography algorithms that helps in involves solving complex engineering problems
	PO3	2	Moderately having Knowledge ; students can identify the elments of Network security that can be used to conduct
	PO4	1	Slightly mapped as the students can apply the concepts of cryptography in learning advance Network security concepts can be used to design & conduct experiment to provide conclusion.
	PO6	1	Slightly student having knowledge of Security in Network, Transport and Application can be used to find solutions to common social problems
	PO9	1	Weakly Expertise in basics of information security , which will enable the student to become a productive member of a design team
	PO11	1	Slight knowledge & understanding of the concepts cryptographics & Authentication algorithm for real time application so that it can be applied in multidisciplinary environment
	PO12	1	Weakly the student will become aware of the need of network security , & having knowledge for lifelong learning and the continued upgrading of technical knowledge
	PSO1	1	Weakly students learns various approaches and acquire skills to design, analyse and implement data Network Security tools.

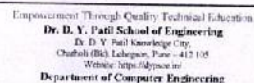


Prof. Amruta Chitari
Subject teacher



Dr. Soumitra Das
HOD
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Charholi Bk Pune 412105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



CO-PO-PSO Attainment

Form No. ICAC/36

Academic Year: 2020-21

Subject: Computer Networks

Name of Subject Teacher: Prof. Amruta Chitambar

Semester 1

CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (DA) (80%)						Indirect Assessment (DA) (20%)				CO Attainment	Class TE																				Div A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Unit Test			CA (85%)			Subject Result (80%)		Practical (10%)			Mapping of (60% Internal + 40% External) Assessment - (60% Final result) (100% Final result)	Course End Survey	Mapping	Weightage (60% DA + 40% TEA)	PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PO13	Attain ment	PO14	Attain ment	PO15	Attain ment	PO16	Attain ment	PO17	Attain ment	PO18	Attain ment	PO19	Attain ment	PO20	Attain ment	PO21	Attain ment	PO22	Attain ment	PO23	Attain ment	PO24	Attain ment	PO25	Attain ment	PO26	Attain ment	PO27	Attain ment	PO28	Attain ment	PO29	Attain ment	PO30	Attain ment	PO31	Attain ment	PO32	Attain ment	PO33	Attain ment	PO34	Attain ment	PO35	Attain ment	PO36	Attain ment	PO37	Attain ment	PO38	Attain ment	PO39	Attain ment	PO40	Attain ment	PO41	Attain ment	PO42	Attain ment	PO43	Attain ment	PO44	Attain ment	PO45	Attain ment	PO46	Attain ment	PO47	Attain ment	PO48	Attain ment	PO49	Attain ment	PO50	Attain ment	PO51	Attain ment	PO52	Attain ment	PO53	Attain ment	PO54	Attain ment	PO55	Attain ment	PO56	Attain ment	PO57	Attain ment	PO58	Attain ment	PO59	Attain ment	PO60	Attain ment	PO61	Attain ment	PO62	Attain ment	PO63	Attain ment	PO64	Attain ment	PO65	Attain ment	PO66	Attain ment	PO67	Attain ment	PO68	Attain ment	PO69	Attain ment	PO70	Attain ment	PO71	Attain ment	PO72	Attain ment	PO73	Attain ment	PO74	Attain ment	PO75	Attain ment	PO76	Attain ment	PO77	Attain ment	PO78	Attain ment	PO79	Attain ment	PO80	Attain ment	PO81	Attain ment	PO82	Attain ment	PO83	Attain ment	PO84	Attain ment	PO85	Attain ment	PO86	Attain ment	PO87	Attain ment	PO88	Attain ment	PO89	Attain ment	PO90	Attain ment	PO91	Attain ment	PO92	Attain ment	PO93	Attain ment	PO94	Attain ment	PO95	Attain ment	PO96	Attain ment	PO97	Attain ment	PO98	Attain ment	PO99	Attain ment	PO100	Attain ment	PO101	Attain ment	PO102	Attain ment	PO103	Attain ment	PO104	Attain ment	PO105	Attain ment	PO106	Attain ment	PO107	Attain ment	PO108	Attain ment	PO109	Attain ment	PO110	Attain ment	PO111	Attain ment	PO112	Attain ment	PO113	Attain ment	PO114	Attain ment	PO115	Attain ment	PO116	Attain ment	PO117	Attain ment	PO118	Attain ment	PO119	Attain ment	PO120	Attain ment	PO121	Attain ment	PO122	Attain ment	PO123	Attain ment	PO124	Attain ment	PO125	Attain ment	PO126	Attain ment	PO127	Attain ment	PO128	Attain ment	PO129	Attain ment	PO130	Attain ment	PO131	Attain ment	PO132	Attain ment	PO133	Attain ment	PO134	Attain ment	PO135	Attain ment	PO136	Attain ment	PO137	Attain ment	PO138	Attain ment	PO139	Attain ment	PO140	Attain ment	PO141	Attain ment	PO142	Attain ment	PO143	Attain ment	PO144	Attain ment	PO145	Attain ment	PO146	Attain ment	PO147	Attain ment	PO148	Attain ment	PO149	Attain ment	PO150	Attain ment	PO151	Attain ment	PO152	Attain ment	PO153	Attain ment	PO154	Attain ment	PO155	Attain ment	PO156	Attain ment	PO157	Attain ment	PO158	Attain ment	PO159	Attain ment	PO160	Attain ment	PO161	Attain ment	PO162	Attain ment	PO163	Attain ment	PO164	Attain ment	PO165	Attain ment	PO166	Attain ment	PO167	Attain ment	PO168	Attain ment	PO169	Attain ment	PO170	Attain ment	PO171	Attain ment	PO172	Attain ment	PO173	Attain ment	PO174	Attain ment	PO175	Attain ment	PO176	Attain ment	PO177	Attain ment	PO178	Attain ment	PO179	Attain ment	PO180	Attain ment	PO181	Attain ment	PO182	Attain ment	PO183	Attain ment	PO184	Attain ment	PO185	Attain ment	PO186	Attain ment	PO187	Attain ment	PO188	Attain ment	PO189	Attain ment	PO190	Attain ment	PO191	Attain ment	PO192	Attain ment	PO193	Attain ment	PO194	Attain ment	PO195	Attain ment	PO196	Attain ment	PO197	Attain ment	PO198	Attain ment	PO199	Attain ment	PO200	Attain ment	PO201	Attain ment	PO202	Attain ment	PO203	Attain ment	PO204	Attain ment	PO205	Attain ment	PO206	Attain ment	PO207	Attain ment	PO208	Attain ment	PO209	Attain ment	PO210	Attain ment	PO211	Attain ment	PO212	Attain ment	PO213	Attain ment	PO214	Attain ment	PO215	Attain ment	PO216	Attain ment	PO217	Attain ment	PO218	Attain ment	PO219	Attain ment	PO220	Attain ment	PO221	Attain ment	PO222	Attain ment	PO223	Attain ment	PO224	Attain ment	PO225	Attain ment	PO226	Attain ment	PO227	Attain ment	PO228	Attain ment	PO229	Attain ment	PO230	Attain ment	PO231	Attain ment	PO232	Attain ment	PO233	Attain ment	PO234	Attain ment	PO235	Attain ment	PO236	Attain ment	PO237	Attain ment	PO238	Attain ment	PO239	Attain ment	PO240	Attain ment	PO241	Attain ment	PO242	Attain ment	PO243	Attain ment	PO244	Attain ment	PO245	Attain ment	PO246	Attain ment	PO247	Attain ment	PO248	Attain ment	PO249	Attain ment	PO250	Attain ment	PO251	Attain ment	PO252	Attain ment	PO253	Attain ment	PO254	Attain ment	PO255	Attain ment	PO256	Attain ment	PO257	Attain ment	PO258	Attain ment	PO259	Attain ment	PO260	Attain ment	PO261	Attain ment	PO262	Attain ment	PO263	Attain ment	PO264	Attain ment	PO265	Attain ment	PO266	Attain ment	PO267	Attain ment	PO268	Attain ment	PO269	Attain ment	PO270	Attain ment	PO271	Attain ment	PO272	Attain ment	PO273	Attain ment	PO274	Attain ment	PO275	Attain ment	PO276	Attain ment	PO277	Attain ment	PO278	Attain ment	PO279	Attain ment	PO280	Attain ment	PO281	Attain ment	PO282	Attain ment	PO283	Attain ment	PO284	Attain ment	PO285	Attain ment	PO286	Attain ment	PO287	Attain ment	PO288	Attain ment	PO289	Attain ment	PO290	Attain ment	PO291	Attain ment	PO292	Attain ment	PO293	Attain ment	PO294	Attain ment	PO295	Attain ment	PO296	Attain ment	PO297	Attain ment	PO298	Attain ment	PO299	Attain ment	PO300	Attain ment	PO301	Attain ment	PO302	Attain ment	PO303	Attain ment	PO304	Attain ment	PO305	Attain ment	PO306	Attain ment	PO307	Attain ment	PO308	Attain ment	PO309	Attain ment	PO310	Attain ment	PO311	Attain ment	PO312	Attain ment	PO313	Attain ment	PO314	Attain ment	PO315	Attain ment	PO316	Attain ment	PO317	Attain ment	PO318	Attain ment	PO319	Attain ment	PO320	Attain ment	PO321	Attain ment	PO322	Attain ment	PO323	Attain ment	PO324	Attain ment	PO325	Attain ment	PO326	Attain ment	PO327	Attain ment	PO328	Attain ment	PO329	Attain ment	PO330	Attain ment	PO331	Attain ment	PO332	Attain ment	PO333	Attain ment	PO334	Attain ment	PO335	Attain ment	PO336	Attain ment	PO337	Attain ment	PO338	Attain ment	PO339	Attain ment	PO340	Attain ment	PO341	Attain ment	PO342	Attain ment	PO343	Attain ment	PO344	Attain ment	PO345	Attain ment	PO346	Attain ment	PO347	Attain ment	PO348	Attain ment	PO349	Attain ment	PO350	Attain ment	PO351	Attain ment	PO352	Attain ment	PO353	Attain ment	PO354	Attain ment	PO355	Attain ment	PO356	Attain ment	PO357	Attain ment	PO358	Attain ment	PO359	Attain ment	PO360	Attain ment	PO361	Attain ment	PO362	Attain ment	PO363	Attain ment	PO364	Attain ment	PO365	Attain ment	PO366	Attain ment	PO367	Attain ment	PO368	Attain ment	PO369	Attain ment	PO370	Attain ment	PO371	Attain ment	PO372	Attain ment	PO373	Attain ment	PO374	Attain ment	PO375	Attain ment	PO376	Attain ment	PO377	Attain ment	PO378	Attain ment	PO379	Attain ment	PO380	Attain ment	PO381	Attain ment	PO382	Attain ment	PO383	Attain ment	PO384	Attain ment	PO385	Attain ment	PO386	Attain ment	PO387	Attain ment	PO388	Attain ment	PO389	Attain ment	PO390	Attain ment	PO391	Attain ment	PO392	Attain ment	PO393	Attain ment	PO394	Attain ment	PO395	Attain ment	PO396	Attain ment	PO397	Attain ment	PO398	Attain ment	PO399	Attain ment	PO400	Attain ment	PO401	Attain ment	PO402	Attain ment	PO403	Attain ment	PO404	Attain ment	PO405	Attain ment	PO406	Attain ment	PO407	Attain ment	PO408	Attain ment	PO409	Attain ment	PO410	Attain ment	PO411	Attain ment	PO412	Attain ment	PO413	Attain ment	PO414	Attain ment	PO415	Attain ment	PO416	Attain ment	PO417	Attain ment	PO418	Attain ment	PO419	Attain ment	PO420	Attain ment	PO421	Attain ment	PO422	Attain ment	PO423	Attain ment	PO424	Attain ment	PO425	Attain ment	PO426	Attain ment	PO427	Attain ment	PO428	Attain ment	PO429	Attain ment	PO430	Attain ment	PO431	Attain ment	PO432	Attain ment	PO433	Attain ment	PO434	Attain ment	PO435	Attain ment	PO436	Attain ment	PO437	Attain ment	PO438	Attain ment	PO439	Attain ment	PO440	Attain ment	PO441	Attain ment	PO442	Attain ment	PO443	Attain ment	PO444	Attain ment	PO445	Attain ment	PO446	Attain ment	PO447	Attain ment	PO448	Attain ment	PO449	Attain ment	PO450	Attain ment	PO451	Attain ment	PO452	Attain ment	PO453	Attain ment	PO454	Attain ment	PO455	Attain ment	PO456	Attain ment	PO457	Attain ment	PO458	Attain ment	PO459	Attain ment	PO460	Attain ment	PO461	Attain ment	PO462	Attain ment	PO463	Attain ment	PO464	Attain ment	PO465	Attain ment	PO466	Attain ment	PO467	Attain ment	PO468	Attain ment	PO469	Attain ment	PO470	Attain ment	PO471	Attain ment	PO472	Attain ment	PO473	Attain ment	PO474	Attain ment	PO475	Attain ment	PO476	Attain ment	PO477	Attain ment	PO478	Attain ment	PO479	Attain ment	PO480	Attain ment	PO481	Attain ment	PO482	Attain ment	PO483	Attain ment	PO484	Attain ment	PO485	Attain ment	PO486	Attain ment	PO487	Attain ment	PO488	Attain ment	PO489	Attain ment	PO490	Attain ment	PO491	Attain ment	PO492	Attain ment	PO493	Attain ment	PO494	Attain ment	PO495	Attain ment	PO496	Attain ment	PO497	Attain ment	PO498	Attain ment	PO499	Attain ment	PO500	Attain ment	PO501	Attain ment	PO502	Attain ment	PO503	Attain ment	PO504	Attain ment	PO505	Attain ment	PO506	Attain ment	PO507	Attain ment	PO508	Attain ment	PO509	Attain ment	PO510	Attain ment	PO511	Attain ment	PO512	Attain ment	PO513	Attain ment	PO514	Attain ment	PO515	Attain ment	PO516	Attain ment	PO517	Attain ment	PO518	Attain ment	PO519	Attain ment	PO520	Attain ment	PO521	Attain ment	PO522	Attain ment	PO523	Attain ment	PO524	Attain ment	PO525	Attain ment	PO526	Attain ment	PO527	Attain ment	PO528	Attain ment	PO529	Attain ment	PO530	Attain ment	PO531	Attain ment	PO532	Attain ment	PO533

Prof. Ananta Chitambar
Subject Teacher

Dr. Parulj Agarkar
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohedan, Charnoli Bk Pune 412105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2020-21

Subject: System Programming & Operating System

Class: TE

Semester: II

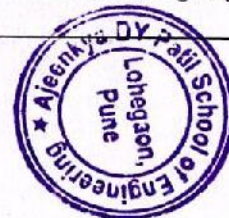
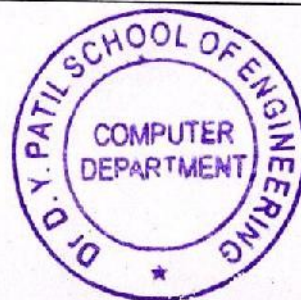
Div: A

Name of Subject Teacher: Prof. Amruta Chitari

CO No.	BT level	Students will be able to
CO-1	4-Analyze	Analyze basic system software
CO-2	3-Apply	Design & implement system software
CO-3	4-Analyze	Analyze different schemes for designing loader and linker
CO-4	3-Apply	Use language translation tools like LEX & YACC
CO-5	2-Understand	Understand Operating System concepts
CO-6	2-Understand	Understand Operating System concepts

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Prof. Amruta Chitari
Subject Teacher



Dr. Pankaj Agarkar

HOD

Head of the Department,
Department of Computer Engineering,
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk, Pune

Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune - 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2020-21

Semester: II

Subject: System Programming & Operating System

Class: TE

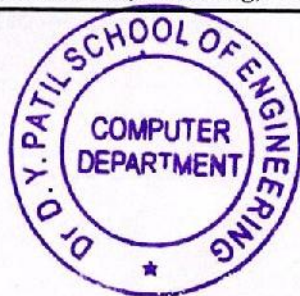
Div: A

Name of Subject Teacher: Prof. Amruta Chitari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	2	2	1									3		
CO-2	3-Apply	2	2	1	2									2	2	1
CO-3	4-Analyze	2	2	1	1									1		
CO-4	3-Apply	2	1	2	1								1	2	1	
CO-5	2-Understand	2	2	1	2								1	2	1	
CO-6	2-Understand	2	1	2	1								1	1		
Average		2.00	1.67	1.50	1.33	-	-	-	-	-	-	-	1.00	1.83	1.33	1.00
Rounded off		2	2	2	2								1	2	2	1

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation

Prof. Amruta Chitari
Subject Teacher



Dr. Pankaj Agarkar
HOD

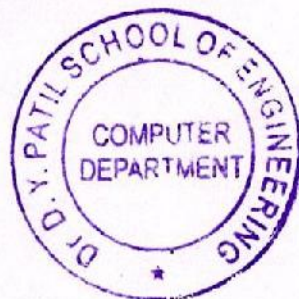
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Aa Lohegaon, Charholi Bk Pune 412105


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



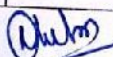
Justification for CO-PO Mapping.

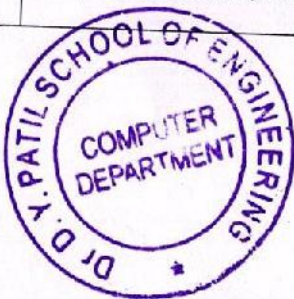
CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	2	Moderately having the knowledge of engineering fundamentals, and an engineering specialization for analyzing System Software and its functionality
	PO2	2	Students can moderately able to analyze System Software by recognizing the need for, and have the preparation and ability to engage in independent and life-long learning
	PO3	2	Students can moderately able to Design solutions for complex system software and design system components or processes
	PO4	1	Slightly the student able to understand, analyze and develop system software, web design.
	PSO1	3	Students can strongly able to analyze System Software by recognizing the need for developing computer programs.
CO-2	PO1	2	Moderately having the Knowledge of the fundamental concepts of Data Structures that helps in solving complex engineering problems.
	PO2	2	Moderately the student will know Principles of mathematics and engineering sciences are used in Design & Implement various System Software.
	PO3	1	Slightly the student using the knowledge of system software, we can design and implement solutions for problems in operating system.
	PO4	2	Moderately having Knowledge of analysis and interpretation of data to implement various software system.
	PSO1	2	Moderately the student will understand the algorithms for design and implement various system software.
	PSO2	2	Moderately the student can deliver good quality software by using various algorithms.
	PSO3	1	Slightly the student using the platform to build their carrier path to become entrepreneur.
CO-3	PO1	2	Moderately having the Knowledge of the different Loading Scheme and analyze the performance of linker and loader
	PO2	2	Moderately the student will Identify, formulate concept of loader and linker using various methods.
	PO3	1	Slightly the student using the knowledge of different types of linker and loader, we can design and develop solutions for complex engineering problems related to loader and linker.

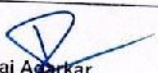



Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

	PO4	1	Slightly having Knowledge of performance of different types of loader.
	PSO1	1	students Slightly able to compare different algorithms related to system software.
CO-4	PO1	2	Moderately Implement process scheduling algorithm that helps in solving complex engineering problems related to operating system.
	PO2	1	Slightly the student will identify the optimized methods for process scheduling.
	PO3	2	Moderately design and implement algorithms for processes scheduling ,Design solutions for complex scheduling problems.
	PO4	1	Slightly having Knowledge of design of scheduling experiments, analysis processes in operating system , and synthesis of the information to provide valid conclusions.
	PO12	1	Slightly the student will Recognize the need for scheduling in operating system.
	PSO1	2	Moderately design and implement algorithms needed to analyze the complex problems.
	PSO2	1	Slightly the student will Recognize the strategies & algorithms to find efficiency in operating system.
CO-5	PO1	2	Moderately having the Knowledge of the fundamental concepts of deadlock and concurrency issues that helps in solving complex problems.
	PO2	2	Moderately the student will analyze possible ways that generate the dealock situation in operating system.
	PO3	1	Slightly having the Knowledge to design different deadlock prevention , recovery methods.
	PO4	2	Moderately having the Knowledge analysis and implement of different deadlock prevention methods, and synthesis of the information to provide efficient results.
	PO12	1	Slightly the student will Recognize the need of deadlock , deadlock prevention , recovery methods.
	PSO1	2	Moderately the student will identiyt possible mechanism to deal with dealock situation in operating system.
	PSO2	1	Slightly the student will apply the practices and strategies to remove the deadlock problems.
CO-6	PO1	2	Moderately having the fundmental concept to Demonstrate memory organization and memory management policies.
	PO2	1	Slightly the student will analyze complex engineering problems in memory Management in OS.
	PO3	2	Moderately Design solutions for complex Memory management policies.
	PO4	1	Slightly the student will implement methods including design of different memory management algorithms ,analyze complex engineering problems in memory Management in OS.
	PO12	1	Slightly the student will recognize the need for memory management techniques in OS .
	PSO1	1	Slightly the student will analyze & demonstrate different memory management algorithms.



Prof. Amruta Chitari
Subject Teacher





Dr. Pankaj Agarkar
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
4/a Lohagaon, Channoli Bk Pune 412105




Principal
Ajeenkya DY Patil School of
Engineering, Lohagaon Pune

		Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Cheshol (Bk), Lohegaon, Pune - 412 105 Website: dypte.ac.in Department of Computer Engineering																														Form No. IQA/236																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Academic Year: 2023-24																																Semester: II																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Subject: System Programming & Operating System																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Name of Subject Teacher: Prof. Ananta Chitani																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Extra-curricular)						Direct Assessment (Extra-curricular)						Direct Assessment (EAP)		Indirect Assessment (IDA)		CO Attainment		Class TE																				Div. A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Unit Test			20%			CA (20%)			Subject Exam (60%)			PROJECTW (10%)			Mapping of COs-Internal assessment-10% Assessment-extern-Final result(TE)-10% Unit and result	Course End Survey	Mapping	Weightage (80% Div + 20% IDA)	PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PO13	Attain ment	PO14	Attain ment	PO15	Attain ment	PO16	Attain ment	PO17	Attain ment	PO18	Attain ment	PO19	Attain ment	PO20	Attain ment	PO21	Attain ment	PO22	Attain ment	PO23	Attain ment	PO24	Attain ment	PO25	Attain ment	PO26	Attain ment	PO27	Attain ment	PO28	Attain ment	PO29	Attain ment	PO30	Attain ment	PO31	Attain ment	PO32	Attain ment	PO33	Attain ment	PO34	Attain ment	PO35	Attain ment	PO36	Attain ment	PO37	Attain ment	PO38	Attain ment	PO39	Attain ment	PO40	Attain ment	PO41	Attain ment	PO42	Attain ment	PO43	Attain ment	PO44	Attain ment	PO45	Attain ment	PO46	Attain ment	PO47	Attain ment	PO48	Attain ment	PO49	Attain ment	PO50	Attain ment	PO51	Attain ment	PO52	Attain ment	PO53	Attain ment	PO54	Attain ment	PO55	Attain ment	PO56	Attain ment	PO57	Attain ment	PO58	Attain ment	PO59	Attain ment	PO60	Attain ment	PO61	Attain ment	PO62	Attain ment	PO63	Attain ment	PO64	Attain ment	PO65	Attain ment	PO66	Attain ment	PO67	Attain ment	PO68	Attain ment	PO69	Attain ment	PO70	Attain ment	PO71	Attain ment	PO72	Attain ment	PO73	Attain ment	PO74	Attain ment	PO75	Attain ment	PO76	Attain ment	PO77	Attain ment	PO78	Attain ment	PO79	Attain ment	PO80	Attain ment	PO81	Attain ment	PO82	Attain ment	PO83	Attain ment	PO84	Attain ment	PO85	Attain ment	PO86	Attain ment	PO87	Attain ment	PO88	Attain ment	PO89	Attain ment	PO90	Attain ment	PO91	Attain ment	PO92	Attain ment	PO93	Attain ment	PO94	Attain ment	PO95	Attain ment	PO96	Attain ment	PO97	Attain ment	PO98	Attain ment	PO99	Attain ment	PO100	Attain ment	PO101	Attain ment	PO102	Attain ment	PO103	Attain ment	PO104	Attain ment	PO105	Attain ment	PO106	Attain ment	PO107	Attain ment	PO108	Attain ment	PO109	Attain ment	PO110	Attain ment	PO111	Attain ment	PO112	Attain ment	PO113	Attain ment	PO114	Attain ment	PO115	Attain ment	PO116	Attain ment	PO117	Attain ment	PO118	Attain ment	PO119	Attain ment	PO120	Attain ment	PO121	Attain ment	PO122	Attain ment	PO123	Attain ment	PO124	Attain ment	PO125	Attain ment	PO126	Attain ment	PO127	Attain ment	PO128	Attain ment	PO129	Attain ment	PO130	Attain ment	PO131	Attain ment	PO132	Attain ment	PO133	Attain ment	PO134	Attain ment	PO135	Attain ment	PO136	Attain ment	PO137	Attain ment	PO138	Attain ment	PO139	Attain ment	PO140	Attain ment	PO141	Attain ment	PO142	Attain ment	PO143	Attain ment	PO144	Attain ment	PO145	Attain ment	PO146	Attain ment	PO147	Attain ment	PO148	Attain ment	PO149	Attain ment	PO150	Attain ment	PO151	Attain ment	PO152	Attain ment	PO153	Attain ment	PO154	Attain ment	PO155	Attain ment	PO156	Attain ment	PO157	Attain ment	PO158	Attain ment	PO159	Attain ment	PO160	Attain ment	PO161	Attain ment	PO162	Attain ment	PO163	Attain ment	PO164	Attain ment	PO165	Attain ment	PO166	Attain ment	PO167	Attain ment	PO168	Attain ment	PO169	Attain ment	PO170	Attain ment	PO171	Attain ment	PO172	Attain ment	PO173	Attain ment	PO174	Attain ment	PO175	Attain ment	PO176	Attain ment	PO177	Attain ment	PO178	Attain ment	PO179	Attain ment	PO180	Attain ment	PO181	Attain ment	PO182	Attain ment	PO183	Attain ment	PO184	Attain ment	PO185	Attain ment	PO186	Attain ment	PO187	Attain ment	PO188	Attain ment	PO189	Attain ment	PO190	Attain ment	PO191	Attain ment	PO192	Attain ment	PO193	Attain ment	PO194	Attain ment	PO195	Attain ment	PO196	Attain ment	PO197	Attain ment	PO198	Attain ment	PO199	Attain ment	PO200	Attain ment	PO201	Attain ment	PO202	Attain ment	PO203	Attain ment	PO204	Attain ment	PO205	Attain ment	PO206	Attain ment	PO207	Attain ment	PO208	Attain ment	PO209	Attain ment	PO210	Attain ment	PO211	Attain ment	PO212	Attain ment	PO213	Attain ment	PO214	Attain ment	PO215	Attain ment	PO216	Attain ment	PO217	Attain ment	PO218	Attain ment	PO219	Attain ment	PO220	Attain ment	PO221	Attain ment	PO222	Attain ment	PO223	Attain ment	PO224	Attain ment	PO225	Attain ment	PO226	Attain ment	PO227	Attain ment	PO228	Attain ment	PO229	Attain ment	PO230	Attain ment	PO231	Attain ment	PO232	Attain ment	PO233	Attain ment	PO234	Attain ment	PO235	Attain ment	PO236	Attain ment	PO237	Attain ment	PO238	Attain ment	PO239	Attain ment	PO240	Attain ment	PO241	Attain ment	PO242	Attain ment	PO243	Attain ment	PO244	Attain ment	PO245	Attain ment	PO246	Attain ment	PO247	Attain ment	PO248	Attain ment	PO249	Attain ment	PO250	Attain ment	PO251	Attain ment	PO252	Attain ment	PO253	Attain ment	PO254	Attain ment	PO255	Attain ment	PO256	Attain ment	PO257	Attain ment	PO258	Attain ment	PO259	Attain ment	PO260	Attain ment	PO261	Attain ment	PO262	Attain ment	PO263	Attain ment	PO264	Attain ment	PO265	Attain ment	PO266	Attain ment	PO267	Attain ment	PO268	Attain ment	PO269	Attain ment	PO270	Attain ment	PO271	Attain ment	PO272	Attain ment	PO273	Attain ment	PO274	Attain ment	PO275	Attain ment	PO276	Attain ment	PO277	Attain ment	PO278	Attain ment	PO279	Attain ment	PO280	Attain ment	PO281	Attain ment	PO282	Attain ment	PO283	Attain ment	PO284	Attain ment	PO285	Attain ment	PO286	Attain ment	PO287	Attain ment	PO288	Attain ment	PO289	Attain ment	PO290	Attain ment	PO291	Attain ment	PO292	Attain ment	PO293	Attain ment	PO294	Attain ment	PO295	Attain ment	PO296	Attain ment	PO297	Attain ment	PO298	Attain ment	PO299	Attain ment	PO300	Attain ment	PO301	Attain ment	PO302	Attain ment	PO303	Attain ment	PO304	Attain ment	PO305	Attain ment	PO306	Attain ment	PO307	Attain ment	PO308	Attain ment	PO309	Attain ment	PO310	Attain ment	PO311	Attain ment	PO312	Attain ment	PO313	Attain ment	PO314	Attain ment	PO315	Attain ment	PO316	Attain ment	PO317	Attain ment	PO318	Attain ment	PO319	Attain ment	PO320	Attain ment	PO321	Attain ment	PO322	Attain ment	PO323	Attain ment	PO324	Attain ment	PO325	Attain ment	PO326	Attain ment	PO327	Attain ment	PO328	Attain ment	PO329	Attain ment	PO330	Attain ment	PO331	Attain ment	PO332	Attain ment	PO333	Attain ment	PO334	Attain ment	PO335	Attain ment	PO336	Attain ment	PO337	Attain ment	PO338	Attain ment	PO339	Attain ment	PO340	Attain ment	PO341	Attain ment	PO342	Attain ment	PO343	Attain ment	PO344	Attain ment	PO345	Attain ment	PO346	Attain ment	PO347	Attain ment	PO348	Attain ment	PO349	Attain ment	PO350	Attain ment	PO351	Attain ment	PO352	Attain ment	PO353	Attain ment	PO354	Attain ment	PO355	Attain ment	PO356	Attain ment	PO357	Attain ment	PO358	Attain ment	PO359	Attain ment	PO360	Attain ment	PO361	Attain ment	PO362	Attain ment	PO363	Attain ment	PO364	Attain ment	PO365	Attain ment	PO366	Attain ment	PO367	Attain ment	PO368	Attain ment	PO369	Attain ment	PO370	Attain ment	PO371	Attain ment	PO372	Attain ment	PO373	Attain ment	PO374	Attain ment	PO375	Attain ment	PO376	Attain ment	PO377	Attain ment	PO378	Attain ment	PO379	Attain ment	PO380	Attain ment	PO381	Attain ment	PO382	Attain ment	PO383	Attain ment	PO384	Attain ment	PO385	Attain ment	PO386	Attain ment	PO387	Attain ment	PO388	Attain ment	PO389	Attain ment	PO390	Attain ment	PO391	Attain ment	PO392	Attain ment	PO393	Attain ment	PO394	Attain ment	PO395	Attain ment	PO396	Attain ment	PO397	Attain ment	PO398	Attain ment	PO399	Attain ment	PO400	Attain ment	PO401	Attain ment	PO402	Attain ment	PO403	Attain ment	PO404	Attain ment	PO405	Attain ment	PO406	Attain ment	PO407	Attain ment	PO408	Attain ment	PO409	Attain ment	PO410	Attain ment	PO411	Attain ment	PO412	Attain ment	PO413	Attain ment	PO414	Attain ment	PO415	Attain ment	PO416	Attain ment	PO417	Attain ment	PO418	Attain ment	PO419	Attain ment	PO420	Attain ment	PO421	Attain ment	PO422	Attain ment	PO423	Attain ment	PO424	Attain ment	PO425	Attain ment	PO426	Attain ment	PO427	Attain ment	PO428	Attain ment	PO429	Attain ment	PO430	Attain ment	PO431	Attain ment	PO432	Attain ment	PO433	Attain ment	PO434	Attain ment	PO435	Attain ment	PO436	Attain ment	PO437	Attain ment	PO438	Attain ment	PO439	Attain ment	PO440	Attain ment	PO441	Attain ment	PO442	Attain ment	PO443	Attain ment	PO444	Attain ment	PO445	Attain ment	PO446	Attain ment	PO447	Attain ment	PO448	Attain ment	PO449	Attain ment	PO450	Attain ment	PO451	Attain ment	PO452	Attain ment	PO453	Attain ment	PO454	Attain ment	PO455	Attain ment	PO456	Attain ment	PO457	Attain ment	PO458	Attain ment	PO459	Attain ment	PO460	Attain ment	PO461	Attain ment	PO462	Attain ment	PO463	Attain ment	PO464	Attain ment	PO465	Attain ment	PO466	Attain ment	PO467	Attain ment	PO468	Attain ment	PO469	Attain ment	PO470	Attain ment	PO471	Attain ment	PO472	Attain ment	PO473	Attain ment	PO474	Attain ment	PO475	Attain ment	PO476	Attain ment	PO477	Attain ment	PO478	Attain ment	PO479	Attain ment	PO480	Attain ment	PO481	Attain ment	PO482	Attain ment	PO483	Attain ment	PO484	Attain ment	PO485	Attain ment	PO486	Attain ment	PO487	Attain ment	PO488	Attain ment	PO489	Attain ment	PO490	Attain ment	PO491	Attain ment	PO492	Attain ment	PO493	Attain ment	PO494	Attain ment	PO495	Attain ment	PO496	Attain ment	PO497	Attain ment	PO498	Attain ment	PO499	Attain ment	PO500	Attain ment	PO501	Attain ment	PO502	Attain ment	PO503	Attain ment	PO504	Attain ment	PO505	Attain ment	PO506	Attain ment	PO507	Attain ment	PO508	Attain ment	PO509	Attain ment	PO510	Attain ment	PO511	Attain ment	PO512	Attain ment	PO513	Attain ment	PO514	Attain ment	PO515	Attain ment	PO516	Attain ment	PO517	Attain ment	PO518	Attain ment	PO519	Attain ment	PO520	Attain ment	PO52



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of E&Tc Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2020-21

Subject: VLSI

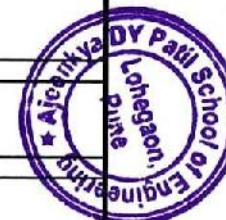
Class: BE

Semester: I

Div:--

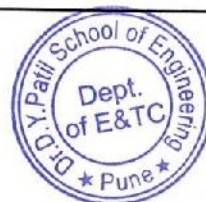
Name of Subject Teacher: Dr. Rashmi Mahajan

CO No.	BT level	Students will be able to
CO-1	2-Understand	Write effective HDL coding for digital design
CO-2	3-Apply	Apply knowledge of real time issues in digital design
CO-3	3-Apply	Model digital circuit with HDL, simulate, synthesis and prototype in PLDs.
CO-4	2-Understand	Design CMOS circuits for specified applications
CO-5	4-Analyse	Analyze various issues and constraints in design of an ASIC
CO-6	3-Apply	Apply knowledge of testability in design and build self test circuit



In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Rashmi



[Signature]

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of E&Tc Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2020-21

Semester: I

Subject: VLSI

Class: BE Div:

Name of Subject Teacher: Dr. Rashmi Mahajan

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	2	2	2			1				1			3		2
CO-2	3-Apply	3	2	2	1		1						1	2		
CO-3	3-Apply	3	2	1	2	1	1						1	1		3
CO-4	2- Understand	3	2	2		1	1	2					1	2		
CO-5	4-Analyse	2	3	3												
CO-6	3-Apply	3		2	2									2		1
Average		2.67	2.20	2.00	1.67	1.00	1.00	2.00	-	-	1.00	-	1.00	2.00	-	2.00
Round d off		3	3	2	2	1	1	2			1		1	2		2

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation




H.O.D.

Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg., Lohegaon



Principal

Dr. D.Y. Patil School of
Engineering, Lohegaon, Pune

		<div>Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Chaudh. (SK), Lohegaon, Pune - 412 105 Website: https://ajpsoc.in/ Department of E&TC Engineering</div>																																												
		CO-PO-PSO Attainment																										Form No. E24C136																		
Academic Year: 2020-21																																														
Subject: VLSI																																														
Name of Subject Teacher: Dr. Rakesh Mahajan																																														
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams				Direct Assessment (PSA)	Indirect Assessment (IBA)			CO Attainment	Class RE																					Dist							
			Unit Test (20%)						CA (10%)					Subject Result (60%)				POOR/TW (40%)		Mapping of (80% Internal + 10% Confession Assessment + 10% State result (T1) - 10% Unit test result)		Course Exa Survey		Mapping		Weightage (80% IIA + 20% IBA)																				
			UT1	UT2	UT3	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PU / OR / TW	Mapping																																		
CO-1	Write effective HDL coding for digital design	2 Understand	64.00			3.0	77.10	3	94.15	3.0	100.00	3.0	3.00	73.96	3.0	3.00																														
CO-2	Apply knowledge of real time issues in digital design	3 Apply	60.00			2.0	77.10	3	94.15	3.0	100.00	3.0	2.0	70.13	3.0	2.0																														
CO-3	Model digital circuit with HDL, simulate, synthesis and prototype in PLDs	3 Apply	66.10			3.0	77.10	3	94.15	3.0	100.00	3.0	2.0	71.68	3.0	2.0																														
CO-4	Design CMOS circuit for specified applications	2 Understand	38.53			3.0	77.10	3	94.15	3.0	100.00	3.0	2.0	70.17	3.0	2.0																														
CO-5	Analyze various issues and constraints in design of an ASIC	4 Analyze	100.00			2.0	77.10	3	94.15	3.0	100.00	3.0	3.0	84.30	3.0	3.00																														
CO-6	Apply knowledge of testability in design and build self test circuit	3 Apply	64.09			3.0	77.10	3	94.15	3.0	100.00	3.0	3.0	79.17	3.0	3.00																														
Mapping Criteria -->			Marks >=60: Level 3						Marks >=50: Level 2				Marks >=40: Level 1																																	

Patil



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



H.O.D.
Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg. Lohegaon



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune - 412 105

Website: <https://dypsoe.in/>

Department of Civil Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2020-21

Subject: Advanced Surveying

Class: TE

Semester: 6

Div: B

Name of Subject Teacher: Prof. Aniket Nemade

CO No.	BT level	Students will be able to
CO-1	2-Understand	Students with ability to handle advanced instruments related with hydrographic and geodetic surveying.
CO-2	2-Understand	Students to acquire basic knowledge and principles of aerial photogrammetric, remote sensing and GIS.
CO-3	3-Apply	Students to apply basic principles of trigonometric leveling and setting of various construction works..
CO-4	4-Analyse	Students to understand methods of triangulation adjustment and reasoning for the same. filter media and rate of filtration.
CO-5	3-Apply	Students to know the working principle of basic and advanced instruments related with surveying and leveling.
CO-6	2-Understand	Students to understand problem and find out immediate solution with appropriate answer.

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Civil Engineering

CO-PO-PSO Mapping

Form No. IQAC

Academic Year.: 2020-21

Semester: 6

Subject: Advanced Surveying

Class: TE Div: B

Name of Subject Teacher: Prof. Aniket N

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2-Understand	2	3	1			2	3				1	2	1		2
CO-2	2-Understand	3	2	3	2		1	2				1	1	3		1
CO-3	3-Apply	3	3	1	2	1						2		2		2
CO-4	4-Analyse	3		2	2	1	1	2				1	1	2		2
CO-5	3-Apply	2		2		1		2					2	1	2	
CO-6	2-Understand	3		2	2		2	1					1	2		1
Average		2.67	2.67	1.83	2.00	1.00	1.50	2.00	-	-	-	1.25	1.40	1.83	2.00	1.60
Rounded		3	3	2	2	1	2	2				2	2	2	2	2

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Aniket-Nemade
Subject Teacher

H.O.D.
Department of Civil Engineering
Dr. D. Y. Patil School of Engg. Lohegaon

Principal
Ajeenkya D.Y. Patil School of
Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City,
 Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoe.in/>
Department of Civil Engineering



CO-PO-PSO Attainment

Academic Year.: 2020-21

Subject: Advanced Surveying

Name of Subject Teacher: Prof. Aniket Nemade

CO No.	Statement of COs	Blooms Taxonomy	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)	Indirect Assessment (IDA)		CO Attainment	PO1	Attainment
			Unit Test (20%)				CA (10%)		Subject Result (60%)		PR/OR/TW (10%)			Course Exit Survey	Mapping			
			UT1	UT 2	UT 3	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW	Mapping				Mapping of (20% Internal tests+10% Continuous Assessment +60% Univ result(TH)+ 10% Univ oral result		
CO-1	Identify types of building and basic requirements of building components	2-Understand	92.98			3.0	75.60	3	94.16	3.0	100.00	3.0	3.00	84.21	3.0	3.00	2	2
CO-2	Make use of Architectural Principles and Building byelaws for building construction.	2-Understand	89.47			3.0	75.60	3	94.16	3.0	100.00	3.0	3.0	92.40	3.0	3.00	3	3
CO-3	Plan effectively various types of Residential Building forms according to their utility, functions with reference to National Building Code	3-Apply		94.74		0.0	75.60	3	94.16	3.0	100.00	3.0	2.4	88.30	3.0	2.52	3	3
CO-4	Plan effectively various types of Public Buildings according to their utility functions with reference to National Building Code	4-Analyse		91.23		0.0	75.60	3	94.16	3.0	100.00	3.0	2.4	93.57	3.0	2.52	3	3
CO-5	Make use of Principles of Planning in Town Planning, Different Villages and Safety aspects.	3-Apply			94.74	3.0	75.60	3	94.16	3.0	100.00	3.0	3.0	85.38	3.0	3.00	2	2
CO-6	Understand different services and safety aspects	2-Understand			84.21	3.0	75.60	3	94.16	3.0	100.00	3.0	3.0	85.38	3.0	3.00	3	3
Mapping Criterias →			Marks >=60: Level 3 Marks >=50: Level 2 Marks >=40: Level 1															
			Avg. Attainment of PO-1 2.67															

Aniket V. Nemade
 Subject Teacher

Principal
 Ajeenkya D. Y. Patil School of Engineering, Lohegaon, Pune

H.O.D.
 Department of Civil Engineering
 Dr. D. Y. Patil School of Engineering, Lohegaon





Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering

D. Y. Patil Knowledge City,
 Lohegaon, Pune – 412 105



Dr.
 Charholi (Bk),
 Website: <https://dypsoe.in/>

Department of E&TC Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2020-21

Semester:II

Subject:BCS

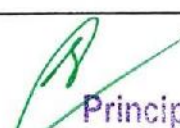
Class:BE

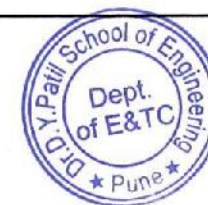
Div:NA

Name of Subject Teacher: Prof. Prajakta Khairnar

CO No.	BT level	Students will be able to
CO-1	2-understand	To describe the three primary components of a fiber optic communication system.
CO-2	2-understand	Students will be able understand System architectures, Point to point links of light wave system
CO-3	4- analyse	To understand the system design issues and the role of WDM components in multichannel systems.
CO-4	2-Understand	To understand the basics of orbital mechanics and the look angles from ground stations to the satellite
CO-5	1-remember	To define Satellite sub systems
CO-6	3-Apply	To apply subject understanding in Link Design.

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"


 Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of E&TC Engineering



CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year:2020-21

Semester:II

Subject:BCS

Class:BE

Div:NA

Name of Subject Teacher: Prof. Prajakta Khairnar

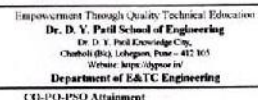
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- understand	3		1			2	3				1	2	1		2
CO-2	2- understand	3	2				1	2					1	1		
CO-3	4- analyse	3	3	1	2									1		3
CO-4	2- Understand	3	2	2		1	1	2						2		
CO-5	1- remember	2											2	1	1	
CO-6	3-Apply	3		2	1		1	1					1	2		
Average		2.83	2.33	1.50	1.50	1.00	1.25	2.00	-	-	-	1.00	1.50	1.33	1.00	2.50
Rounded off		3	3	2	2	1	2	2				1	2	2	1	3

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

H.O.D.
Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg., Lohegaon





Form No. 82-M/96

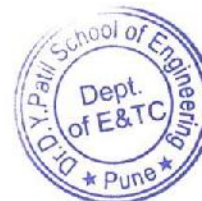
Academic Year: 2020-21

Subject: BCN

Name of Subject Teacher: Prof Prajita Khairnar

Name of Subject Teacher/Prof/Project a Chairman		Batches (Examination)	Direct Assessment (Internal) (50%)						Direct Assessment (External) (20%) University Exams				Direct Assessment (TA)		Indirect Assessment (IDA)		CG Attainment		PG1	Attain ment	PG2	Attain ment	PG3	Attain ment	PG4	Attain ment	PG5	Attain ment	PG6	Attain ment	PG7	Attain ment	PG8	Attain ment	PG9	Attain ment	PG10	Attain ment	PG11	Attain ment	PG12	Attain ment	PG13	Attain ment	PG14	Attain ment	PG15	Attain ment	PG16	Attain ment	PG17	Attain ment	PG18	Attain ment	PG19	Attain ment	PG20	Attain ment	PG21	Attain ment	PG22	Attain ment	PG23	Attain ment	PG24	Attain ment	PG25	Attain ment	PG26	Attain ment	PG27	Attain ment	PG28	Attain ment	PG29	Attain ment	PG30	Attain ment	PG31	Attain ment	PG32	Attain ment	PG33	Attain ment	PG34	Attain ment	PG35	Attain ment	PG36	Attain ment	PG37	Attain ment	PG38	Attain ment	PG39	Attain ment	PG40	Attain ment	PG41	Attain ment	PG42	Attain ment	PG43	Attain ment	PG44	Attain ment	PG45	Attain ment	PG46	Attain ment	PG47	Attain ment	PG48	Attain ment	PG49	Attain ment	PG50	Attain ment	PG51	Attain ment	PG52	Attain ment	PG53	Attain ment	PG54	Attain ment	PG55	Attain ment	PG56	Attain ment	PG57	Attain ment	PG58	Attain ment	PG59	Attain ment	PG60	Attain ment	PG61	Attain ment	PG62	Attain ment	PG63	Attain ment	PG64	Attain ment	PG65	Attain ment	PG66	Attain ment	PG67	Attain ment	PG68	Attain ment	PG69	Attain ment	PG70	Attain ment	PG71	Attain ment	PG72	Attain ment	PG73	Attain ment	PG74	Attain ment	PG75	Attain ment	PG76	Attain ment	PG77	Attain ment	PG78	Attain ment	PG79	Attain ment	PG80	Attain ment	PG81	Attain ment	PG82	Attain ment	PG83	Attain ment	PG84	Attain ment	PG85	Attain ment	PG86	Attain ment	PG87	Attain ment	PG88	Attain ment	PG89	Attain ment	PG90	Attain ment	PG91	Attain ment	PG92	Attain ment	PG93	Attain ment	PG94	Attain ment	PG95	Attain ment	PG96	Attain ment	PG97	Attain ment	PG98	Attain ment	PG99	Attain ment	PG100	Attain ment	PG101	Attain ment	PG102	Attain ment	PG103	Attain ment	PG104	Attain ment	PG105	Attain ment	PG106	Attain ment	PG107	Attain ment	PG108	Attain ment	PG109	Attain ment	PG110	Attain ment	PG111	Attain ment	PG112	Attain ment	PG113	Attain ment	PG114	Attain ment	PG115	Attain ment	PG116	Attain ment	PG117	Attain ment	PG118	Attain ment	PG119	Attain ment	PG120	Attain ment	PG121	Attain ment	PG122	Attain ment	PG123	Attain ment	PG124	Attain ment	PG125	Attain ment	PG126	Attain ment	PG127	Attain ment	PG128	Attain ment	PG129	Attain ment	PG130	Attain ment	PG131	Attain ment	PG132	Attain ment	PG133	Attain ment	PG134	Attain ment	PG135	Attain ment	PG136	Attain ment	PG137	Attain ment	PG138	Attain ment	PG139	Attain ment	PG140	Attain ment	PG141	Attain ment	PG142	Attain ment	PG143	Attain ment	PG144	Attain ment	PG145	Attain ment	PG146	Attain ment	PG147	Attain ment	PG148	Attain ment	PG149	Attain ment	PG150	Attain ment	PG151	Attain ment	PG152	Attain ment	PG153	Attain ment	PG154	Attain ment	PG155	Attain ment	PG156	Attain ment	PG157	Attain ment	PG158	Attain ment	PG159	Attain ment	PG160	Attain ment	PG161	Attain ment	PG162	Attain ment	PG163	Attain ment	PG164	Attain ment	PG165	Attain ment	PG166	Attain ment	PG167	Attain ment	PG168	Attain ment	PG169	Attain ment	PG170	Attain ment	PG171	Attain ment	PG172	Attain ment	PG173	Attain ment	PG174	Attain ment	PG175	Attain ment	PG176	Attain ment	PG177	Attain ment	PG178	Attain ment	PG179	Attain ment	PG180	Attain ment	PG181	Attain ment	PG182	Attain ment	PG183	Attain ment	PG184	Attain ment	PG185	Attain ment	PG186	Attain ment	PG187	Attain ment	PG188	Attain ment	PG189	Attain ment	PG190	Attain ment	PG191	Attain ment	PG192	Attain ment	PG193	Attain ment	PG194	Attain ment	PG195	Attain ment	PG196	Attain ment	PG197	Attain ment	PG198	Attain ment	PG199	Attain ment	PG200	Attain ment	PG201	Attain ment	PG202	Attain ment	PG203	Attain ment	PG204	Attain ment	PG205	Attain ment	PG206	Attain ment	PG207	Attain ment	PG208	Attain ment	PG209	Attain ment	PG210	Attain ment	PG211	Attain ment	PG212	Attain ment	PG213	Attain ment	PG214	Attain ment	PG215	Attain ment	PG216	Attain ment	PG217	Attain ment	PG218	Attain ment	PG219	Attain ment	PG220	Attain ment	PG221	Attain ment	PG222	Attain ment	PG223	Attain ment	PG224	Attain ment	PG225	Attain ment	PG226	Attain ment	PG227	Attain ment	PG228	Attain ment	PG229	Attain ment	PG230	Attain ment	PG231	Attain ment	PG232	Attain ment	PG233	Attain ment	PG234	Attain ment	PG235	Attain ment	PG236	Attain ment	PG237	Attain ment	PG238	Attain ment	PG239	Attain ment	PG240	Attain ment	PG241	Attain ment	PG242	Attain ment	PG243	Attain ment	PG244	Attain ment	PG245	Attain ment	PG246	Attain ment	PG247	Attain ment	PG248	Attain ment	PG249	Attain ment	PG250	Attain ment	PG251	Attain ment	PG252	Attain ment	PG253	Attain ment	PG254	Attain ment	PG255	Attain ment	PG256	Attain ment	PG257	Attain ment	PG258	Attain ment	PG259	Attain ment	PG260	Attain ment	PG261	Attain ment	PG262	Attain ment	PG263	Attain ment	PG264	Attain ment	PG265	Attain ment	PG266	Attain ment	PG267	Attain ment	PG268	Attain ment	PG269	Attain ment	PG270	Attain ment	PG271	Attain ment	PG272	Attain ment	PG273	Attain ment	PG274	Attain ment	PG275	Attain ment	PG276	Attain ment	PG277	Attain ment	PG278	Attain ment	PG279	Attain ment	PG280	Attain ment	PG281	Attain ment	PG282	Attain ment	PG283	Attain ment	PG284	Attain ment	PG285	Attain ment	PG286	Attain ment	PG287	Attain ment	PG288	Attain ment	PG289	Attain ment	PG290	Attain ment	PG291	Attain ment	PG292	Attain ment	PG293	Attain ment	PG294	Attain ment	PG295	Attain ment	PG296	Attain ment	PG297	Attain ment	PG298	Attain ment	PG299	Attain ment	PG300	Attain ment	PG301	Attain ment	PG302	Attain ment	PG303	Attain ment	PG304	Attain ment	PG305	Attain ment	PG306	Attain ment	PG307	Attain ment	PG308	Attain ment	PG309	Attain ment	PG310	Attain ment	PG311	Attain ment	PG312	Attain ment	PG313	Attain ment	PG314	Attain ment	PG315	Attain ment	PG316	Attain ment	PG317	Attain ment	PG318	Attain ment	PG319	Attain ment	PG320	Attain ment	PG321	Attain ment	PG322	Attain ment	PG323	Attain ment	PG324	Attain ment	PG325	Attain ment	PG326	Attain ment	PG327	Attain ment	PG328	Attain ment	PG329	Attain ment	PG330	Attain ment	PG331	Attain ment	PG332	Attain ment	PG333	Attain ment	PG334	Attain ment	PG335	Attain ment	PG336	Attain ment	PG337	Attain ment	PG338	Attain ment	PG339	Attain ment	PG340	Attain ment	PG341	Attain ment	PG342	Attain ment	PG343	Attain ment	PG344	Attain ment	PG345	Attain ment	PG346	Attain ment	PG347	Attain ment	PG348	Attain ment	PG349	Attain ment	PG350	Attain ment	PG351	Attain ment	PG352	Attain ment	PG353	Attain ment	PG354	Attain ment	PG355	Attain ment	PG356	Attain ment	PG357	Attain ment	PG358	Attain ment	PG359	Attain ment	PG360	Attain ment	PG361	Attain ment	PG362	Attain ment	PG363	Attain ment	PG364	Attain ment	PG365	Attain ment	PG366	Attain ment	PG367	Attain ment	PG368	Attain ment	PG369	Attain ment	PG370	Attain ment	PG371	Attain ment	PG372	Attain ment	PG373	Attain ment	PG374	Attain ment	PG375	Attain ment	PG376	Attain ment	PG377	Attain ment	PG378	Attain ment	PG379	Attain ment	PG380	Attain ment	PG381	Attain ment	PG382	Attain ment	PG383	Attain ment	PG384	Attain ment	PG385	Attain ment	PG386	Attain ment	PG387	Attain ment	PG388	Attain ment	PG389	Attain ment	PG390	Attain ment	PG391	Attain ment	PG392	Attain ment	PG393	Attain ment	PG394	Attain ment	PG395	Attain ment	PG396	Attain ment	PG397	Attain ment	PG398	Attain ment	PG399	Attain ment	PG400	Attain ment	PG401	Attain ment	PG402	Attain ment	PG403	Attain ment	PG404	Attain ment	PG405	Attain ment	PG406	Attain ment	PG407	Attain ment	PG408	Attain ment	PG409	Attain ment	PG410	Attain ment	PG411	Attain ment	PG412	Attain ment	PG413	Attain ment	PG414	Attain ment	PG415	Attain ment	PG416	Attain ment	PG417	Attain ment	PG418	Attain ment	PG419	Attain ment	PG420	Attain ment	PG421	Attain ment	PG422	Attain ment	PG423	Attain ment	PG424	Attain ment	PG425	Attain ment	PG426	Attain ment	PG427	Attain ment	PG428	Attain ment	PG429	Attain ment	PG430	Attain ment	PG431	Attain ment	PG432	Attain ment	PG433	Attain ment	PG434	Attain ment	PG435	Attain ment	PG436	Attain ment	PG437	Attain ment	PG438	Attain ment	PG439	Attain ment	PG440	Attain ment	PG441	Attain ment	PG442	Attain ment	PG443	Attain ment	PG444	Attain ment	PG445	Attain ment	PG446	Attain ment	PG447	Attain ment	PG448	Attain ment	PG449	Attain ment	PG450	Attain ment	PG451	Attain ment	PG452	Attain ment	PG453	Attain ment	PG454	Attain ment	PG455	Attain ment	PG456	Attain ment	PG457	Attain ment	PG458	Attain ment	PG459	Attain ment	PG460	Attain ment	PG461	Attain ment	PG462	Attain ment	PG463	Attain ment	PG464	Attain ment	PG465	Attain ment	PG466	Attain ment	PG467	Attain ment	PG468	Attain ment	PG469	Attain ment	PG470	Attain ment	PG471	Attain ment	PG472	Attain ment	PG473	Attain ment	PG474	Attain ment	PG475	Attain ment	PG476	Attain ment	PG477	Attain ment	PG478	Attain ment	PG479	Attain ment	PG480	Attain ment	PG481	Attain ment	PG482	Attain ment	PG483	Attain ment	PG484	Attain ment	PG485	Attain ment	PG486	Attain ment	PG487	Attain ment	PG488	Attain ment	PG489	Attain ment	PG490	Attain ment	PG491	Attain ment	PG492	Attain ment	PG493	Attain ment	PG494	Attain ment	PG495	Attain ment	PG496	Attain ment	PG497	Attain ment	PG498	Attain ment	PG499	Attain ment	PG500	Attain ment	PG501	Attain ment	PG502	Attain ment	PG503	Attain ment	PG504	Attain ment	PG505	Attain ment	PG506	Attain ment	PG507	Attain ment	PG508	Attain ment	PG509	Attain ment	PG510	Attain ment	PG511	Attain ment	PG512	Attain ment	PG513	Attain ment	PG514	Attain ment	PG515	Attain ment	PG516	Attain ment	PG517	Attain ment	PG518	Attain ment	PG519	Attain ment	PG520	Attain ment	PG521	Attain ment	PG522	Attain ment	PG523	Attain ment	PG524	Attain ment	PG525	Attain ment	PG526	Attain ment	PG527	Attain ment	PG528	Attain ment	PG529	Attain ment	PG530	Attain ment	PG531	Attain ment	PG532	Attain ment	PG533	Attain ment	PG534	Attain ment	PG535	Attain ment	PG536	Attain ment	PG537	Attain ment	PG538	Attain ment	PG539</
---	--	-----------------------	------------------------------------	--	--	--	--	--	---	--	--	--	------------------------	--	---------------------------	--	---------------	--	-----	-------------	-----	-------------	-----	-------------	-----	-------------	-----	-------------	-----	-------------	-----	-------------	-----	-------------	-----	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	-------	-------------	---------

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



H.O.D.
Dept. of E. & T.C. Engineering
Dr. D.Y. Patil School of Engg., Lohegaon



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2020-21

Semester: II

Subject: Machine Learning

Class:

Name of Subject Teacher: Dr. Sunil D. Rathod

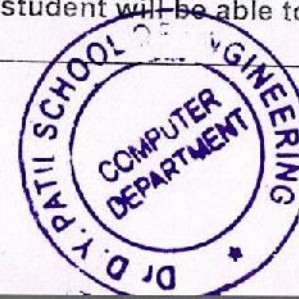
CO No.	BT level	Students will be able to
CO-1	2-Understand	Understand various Machine Learning Concepts.
CO-2	3-Apply	Analyze and Apply Learning Theory.
CO-3	3-Apply	Analyze and Apply Geometric Models.
CO-4	3-Apply	Analyze and Apply Logical, Grouping And Grading Models.
CO-5	3-Apply	Analyze and Apply Probabilistic Models.
CO-6	1-Remember	Case Studies on Advanced Machine Learning Techniques

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



(Signature)

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoc.in/>
Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2020-21

Semester: II

Subject: Machine Learning

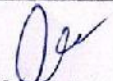
Class:

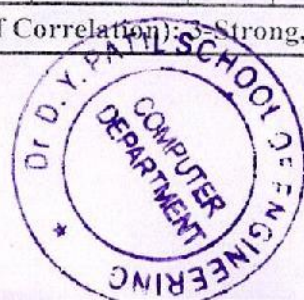
Name of Subject Teacher: Dr. Sunil Rathod

M.E

PO CO	BT LEVEL	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO-1	2-Understand	3	3		2	2								
CO-2	3-Apply	3	3		3	3								
CO-3	3-Apply	3	3		3	3								
CO-4	3-Apply	3	3		3	3								
CO-5	3-Apply	3	3		3	3								
CO-6	1-Remember	3	3		1	1								
Average		3.00	3.00	-	2.50	2.50	-	-	-	-	-	-	-	-
Rounded off		3	3		3	3								

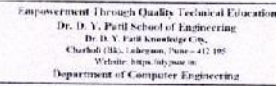
(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation


 Signature
 Subject Teacher
 Dr. Sunil Rathod




Head of the Department
 Department of Computer Engineering
 Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105


Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



Form No. IJAC/06

Academic Year: 2020-21

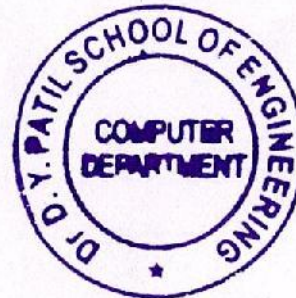
Subject: Machine Learning

Name of Subject Teacher: **Dr. Sanil Rathod**

CC-PO-PSO Attainment

Semester: II

C/D No.	Statement of COs	Alumni Feedback	Direct Assessment (Internal) (DPA)						Direct Assessment (External) (DSA) University Exams				Direct Assessment (DA)		Indirect Assessment (IDA)		(C) Attainment	Class M.E.																				Disc																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Unit Test		(DP%)		CA (DP%)		Subject Result (DP%)		Project/TW (DP%)		Mapping of DPA Internal Assessments/ Continuous Assessment weightage (result(TU)+10% Units result)	Course Exam Survey	Mapping	Weightage (60% TU+ 20% DA)		PO1	Attain- ment	PO2	Attain- ment	PO3	Attain- ment	PO4	Attain- ment	PO5	Attain- ment	PO6	Attain- ment	PO7	Attain- ment	PO8	Attain- ment	PO9	Attain- ment	PO10	Attain- ment		PO11	Attain- ment	PO12	Attain- ment	PO13	Attain- ment	PO14	Attain- ment	PO15	Attain- ment	PO16	Attain- ment	PO17	Attain- ment	PO18	Attain- ment	PO19	Attain- ment	PO20	Attain- ment	PO21	Attain- ment	PO22	Attain- ment	PO23	Attain- ment	PO24	Attain- ment	PO25	Attain- ment	PO26	Attain- ment	PO27	Attain- ment	PO28	Attain- ment	PO29	Attain- ment	PO30	Attain- ment	PO31	Attain- ment	PO32	Attain- ment	PO33	Attain- ment	PO34	Attain- ment	PO35	Attain- ment	PO36	Attain- ment	PO37	Attain- ment	PO38	Attain- ment	PO39	Attain- ment	PO40	Attain- ment	PO41	Attain- ment	PO42	Attain- ment	PO43	Attain- ment	PO44	Attain- ment	PO45	Attain- ment	PO46	Attain- ment	PO47	Attain- ment	PO48	Attain- ment	PO49	Attain- ment	PO50	Attain- ment	PO51	Attain- ment	PO52	Attain- ment	PO53	Attain- ment	PO54	Attain- ment	PO55	Attain- ment	PO56	Attain- ment	PO57	Attain- ment	PO58	Attain- ment	PO59	Attain- ment	PO60	Attain- ment	PO61	Attain- ment	PO62	Attain- ment	PO63	Attain- ment	PO64	Attain- ment	PO65	Attain- ment	PO66	Attain- ment	PO67	Attain- ment	PO68	Attain- ment	PO69	Attain- ment	PO70	Attain- ment	PO71	Attain- ment	PO72	Attain- ment	PO73	Attain- ment	PO74	Attain- ment	PO75	Attain- ment	PO76	Attain- ment	PO77	Attain- ment	PO78	Attain- ment	PO79	Attain- ment	PO80	Attain- ment	PO81	Attain- ment	PO82	Attain- ment	PO83	Attain- ment	PO84	Attain- ment	PO85	Attain- ment	PO86	Attain- ment	PO87	Attain- ment	PO88	Attain- ment	PO89	Attain- ment	PO90	Attain- ment	PO91	Attain- ment	PO92	Attain- ment	PO93	Attain- ment	PO94	Attain- ment	PO95	Attain- ment	PO96	Attain- ment	PO97	Attain- ment	PO98	Attain- ment	PO99	Attain- ment	PO100	Attain- ment	PO101	Attain- ment	PO102	Attain- ment	PO103	Attain- ment	PO104	Attain- ment	PO105	Attain- ment	PO106	Attain- ment	PO107	Attain- ment	PO108	Attain- ment	PO109	Attain- ment	PO110	Attain- ment	PO111	Attain- ment	PO112	Attain- ment	PO113	Attain- ment	PO114	Attain- ment	PO115	Attain- ment	PO116	Attain- ment	PO117	Attain- ment	PO118	Attain- ment	PO119	Attain- ment	PO120	Attain- ment	PO121	Attain- ment	PO122	Attain- ment	PO123	Attain- ment	PO124	Attain- ment	PO125	Attain- ment	PO126	Attain- ment	PO127	Attain- ment	PO128	Attain- ment	PO129	Attain- ment	PO130	Attain- ment	PO131	Attain- ment	PO132	Attain- ment	PO133	Attain- ment	PO134	Attain- ment	PO135	Attain- ment	PO136	Attain- ment	PO137	Attain- ment	PO138	Attain- ment	PO139	Attain- ment	PO140	Attain- ment	PO141	Attain- ment	PO142	Attain- ment	PO143	Attain- ment	PO144	Attain- ment	PO145	Attain- ment	PO146	Attain- ment	PO147	Attain- ment	PO148	Attain- ment	PO149	Attain- ment	PO150	Attain- ment	PO151	Attain- ment	PO152	Attain- ment	PO153	Attain- ment	PO154	Attain- ment	PO155	Attain- ment	PO156	Attain- ment	PO157	Attain- ment	PO158	Attain- ment	PO159	Attain- ment	PO160	Attain- ment	PO161	Attain- ment	PO162	Attain- ment	PO163	Attain- ment	PO164	Attain- ment	PO165	Attain- ment	PO166	Attain- ment	PO167	Attain- ment	PO168	Attain- ment	PO169	Attain- ment	PO170	Attain- ment	PO171	Attain- ment	PO172	Attain- ment	PO173	Attain- ment	PO174	Attain- ment	PO175	Attain- ment	PO176	Attain- ment	PO177	Attain- ment	PO178	Attain- ment	PO179	Attain- ment	PO180	Attain- ment	PO181	Attain- ment	PO182	Attain- ment	PO183	Attain- ment	PO184	Attain- ment	PO185	Attain- ment	PO186	Attain- ment	PO187	Attain- ment	PO188	Attain- ment	PO189	Attain- ment	PO190	Attain- ment	PO191	Attain- ment	PO192	Attain- ment	PO193	Attain- ment	PO194	Attain- ment	PO195	Attain- ment	PO196	Attain- ment	PO197	Attain- ment	PO198	Attain- ment	PO199	Attain- ment	PO200	Attain- ment	PO201	Attain- ment	PO202	Attain- ment	PO203	Attain- ment	PO204	Attain- ment	PO205	Attain- ment	PO206	Attain- ment	PO207	Attain- ment	PO208	Attain- ment	PO209	Attain- ment	PO210	Attain- ment	PO211	Attain- ment	PO212	Attain- ment	PO213	Attain- ment	PO214	Attain- ment	PO215	Attain- ment	PO216	Attain- ment	PO217	Attain- ment	PO218	Attain- ment	PO219	Attain- ment	PO220	Attain- ment	PO221	Attain- ment	PO222	Attain- ment	PO223	Attain- ment	PO224	Attain- ment	PO225	Attain- ment	PO226	Attain- ment	PO227	Attain- ment	PO228	Attain- ment	PO229	Attain- ment	PO230	Attain- ment	PO231	Attain- ment	PO232	Attain- ment	PO233	Attain- ment	PO234	Attain- ment	PO235	Attain- ment	PO236	Attain- ment	PO237	Attain- ment	PO238	Attain- ment	PO239	Attain- ment	PO240	Attain- ment	PO241	Attain- ment	PO242	Attain- ment	PO243	Attain- ment	PO244	Attain- ment	PO245	Attain- ment	PO246	Attain- ment	PO247	Attain- ment	PO248	Attain- ment	PO249	Attain- ment	PO250	Attain- ment	PO251	Attain- ment	PO252	Attain- ment	PO253	Attain- ment	PO254	Attain- ment	PO255	Attain- ment	PO256	Attain- ment	PO257	Attain- ment	PO258	Attain- ment	PO259	Attain- ment	PO260	Attain- ment	PO261	Attain- ment	PO262	Attain- ment	PO263	Attain- ment	PO264	Attain- ment	PO265	Attain- ment	PO266	Attain- ment	PO267	Attain- ment	PO268	Attain- ment	PO269	Attain- ment	PO270	Attain- ment	PO271	Attain- ment	PO272	Attain- ment	PO273	Attain- ment	PO274	Attain- ment	PO275	Attain- ment	PO276	Attain- ment	PO277	Attain- ment	PO278	Attain- ment	PO279	Attain- ment	PO280	Attain- ment	PO281	Attain- ment	PO282	Attain- ment	PO283	Attain- ment	PO284	Attain- ment	PO285	Attain- ment	PO286	Attain- ment	PO287	Attain- ment	PO288	Attain- ment	PO289	Attain- ment	PO290	Attain- ment	PO291	Attain- ment	PO292	Attain- ment	PO293	Attain- ment	PO294	Attain- ment	PO295	Attain- ment	PO296	Attain- ment	PO297	Attain- ment	PO298	Attain- ment	PO299	Attain- ment	PO300	Attain- ment	PO301	Attain- ment	PO302	Attain- ment	PO303	Attain- ment	PO304	Attain- ment	PO305	Attain- ment	PO306	Attain- ment	PO307	Attain- ment	PO308	Attain- ment	PO309	Attain- ment	PO310	Attain- ment	PO311	Attain- ment	PO312	Attain- ment	PO313	Attain- ment	PO314	Attain- ment	PO315	Attain- ment	PO316	Attain- ment	PO317	Attain- ment	PO318	Attain- ment	PO319	Attain- ment	PO320	Attain- ment	PO321	Attain- ment	PO322	Attain- ment	PO323	Attain- ment	PO324	Attain- ment	PO325	Attain- ment	PO326	Attain- ment	PO327	Attain- ment	PO328	Attain- ment	PO329	Attain- ment	PO330	Attain- ment	PO331	Attain- ment	PO332	Attain- ment	PO333	Attain- ment	PO334	Attain- ment	PO335	Attain- ment	PO336	Attain- ment	PO337	Attain- ment	PO338	Attain- ment	PO339	Attain- ment	PO340	Attain- ment	PO341	Attain- ment	PO342	Attain- ment	PO343	Attain- ment	PO344	Attain- ment	PO345	Attain- ment	PO346	Attain- ment	PO347	Attain- ment	PO348	Attain- ment	PO349	Attain- ment	PO350	Attain- ment	PO351	Attain- ment	PO352	Attain- ment	PO353	Attain- ment	PO354	Attain- ment	PO355	Attain- ment	PO356	Attain- ment	PO357	Attain- ment	PO358	Attain- ment	PO359	Attain- ment	PO360	Attain- ment	PO361	Attain- ment	PO362	Attain- ment	PO363	Attain- ment	PO364	Attain- ment	PO365	Attain- ment	PO366	Attain- ment	PO367	Attain- ment	PO368	Attain- ment	PO369	Attain- ment	PO370	Attain- ment	PO371	Attain- ment	PO372	Attain- ment	PO373	Attain- ment	PO374	Attain- ment	PO375	Attain- ment	PO376	Attain- ment	PO377	Attain- ment	PO378	Attain- ment	PO379	Attain- ment	PO380	Attain- ment	PO381	Attain- ment	PO382	Attain- ment	PO383	Attain- ment	PO384	Attain- ment	PO385	Attain- ment	PO386	Attain- ment	PO387	Attain- ment	PO388	Attain- ment	PO389	Attain- ment	PO390	Attain- ment	PO391	Attain- ment	PO392	Attain- ment	PO393	Attain- ment	PO394	Attain- ment	PO395	Attain- ment	PO396	Attain- ment	PO397	Attain- ment	PO398	Attain- ment	PO399	Attain- ment	PO400	Attain- ment	PO401	Attain- ment	PO402	Attain- ment	PO403	Attain- ment	PO404	Attain- ment	PO405	Attain- ment	PO406	Attain- ment	PO407	Attain- ment	PO408	Attain- ment	PO409	Attain- ment	PO410	Attain- ment	PO411	Attain- ment	PO412	Attain- ment	PO413	Attain- ment	PO414	Attain- ment	PO415	Attain- ment	PO416	Attain- ment	PO417	Attain- ment	PO418	Attain- ment	PO419	Attain- ment	PO420	Attain- ment	PO421	Attain- ment	PO422	Attain- ment	PO423	Attain- ment	PO424	Attain- ment	PO425	Attain- ment	PO426	Attain- ment	PO427	Attain- ment	PO428	Attain- ment	PO429	Attain- ment	PO430	Attain- ment	PO431	Attain- ment	PO432	Attain- ment	PO433	Attain- ment	PO434	Attain- ment	PO435	Attain- ment	PO436	Attain- ment	PO437	Attain- ment	PO438	Attain- ment	PO439	Attain- ment	PO440	Attain- ment	PO441	Attain- ment	PO442	Attain- ment	PO443	Attain- ment	PO444	Attain- ment	PO445	Attain- ment	PO446	Attain- ment	PO447	Attain- ment	PO448	Attain- ment	PO449	Attain- ment	PO450	Attain- ment	PO451	Attain- ment	PO45



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Academic Year : 2019-2020



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoe.in/>
Department of First Year Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2019-20

Semester: I

Subject: Engineering Mathematics - I

Class: FE

Div: B

Name of Subject Teacher: Mr. Rahulkumar D Katkade

CO No.	BT level	Students will be able to
CO-1	4-Analyze	Mean value theorems and its generalizations leading to Taylors and Maclaurin's series useful in the analysis of engineering problems.
CO-2	4-Analyze	The Fourier series representation and harmonic analysis for design and analysis of periodic continuous and discrete systems.
CO-3	3-Apply	To deal with derivative of functions of several variables that are essential in various branches of Engineering.
CO-4	3-Apply	To apply the concept of Jacobian to find partial derivative of implicit function and functional dependence. Use of partial derivatives in estimating error and approximation and finding extreme values of the function
CO-5	4-Analyze	The essential tool of matrices and linear algebra in a comprehensive manner for analysis of system of linear equations, finding linear and orthogonal transformation.
CO-6	3-Apply	Eigen values and Eigen vectors applicable to engineering problems.

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Subject teacher
Mr. R.D. Katkade



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

HoD
Dr. S.M.Khairnar



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: <https://dypsoc.in/>
Department of First Year Engineering

Dr.

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2019-20

Semester: I

Subject: Engineering Mathematics - I

Class: FE Div: B

Name of Subject Teacher: Mr. Rahulkumar D Katkade

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	1													
CO-2	4-Analyze	2	1													
CO-3	3-Apply	2	1													
CO-4	3-Apply	2	1													
CO-5	4-Analyze	2	1													
CO-6	3-Apply	2	1													
Average		2.00	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Rounded off		2	1													

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



Subject teacher
Mr. R D Katkade



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

HoD
Dr. S.M.Khairnar



Empowerment Through Quality Technical Education
Y. Patil School of Engineering
Website: <http://dyptec.edu/>

Patil Knowledge City, Chasholi (BK), Lohegaon, Pune - 412 103
First Year Engineering

Dr. D.
Dr. D. Y.
Department of

CO-PO-PSO Attainment

Form No. IQAC/36

Academic Year: 2019-20

Subject: Engineering Mathematics - I

Name of Subject Teacher: Mr. R.D.Karande

Semester: I

Class: FE

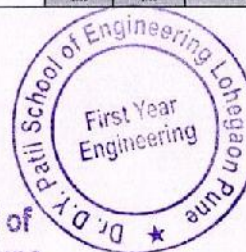
Div: B

		Bloom's Taxonomy	Direct Assessment (Internal) (60%)										Direct Assessment (External) (20%) University Exams				Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CO No.	Statement of COs		Unit Test (20%)				CA (10%)		Subject Result (40%)		PRABU/TW (10%)		Mapping of CO% Internal tests+10% Continuous Assessment +60% University result (100% = 100% University result)	Course End Survey	Mapping	Weightage (60% DA+ 40% IDA)	PO1	Attain ment	PO2	Attain ment		PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PSO1	Attain ment	PSO2	Attain ment	PSO3	Attain ment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Summative Test	UT1	UT2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PU / O/E / TW	Mapping																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
CO-1	Mean value theorems and its generalizations leading to Taylor and MacLaurin's series useful in the analysis of engineering problems.	4-Analyse	64.61			3.0	83.90	3	54.33	2.0	100.00	3.0	2.40	73.33	3.0	2.52	2	2	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Dr. R.D.Karande
Subject Teacher

Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



Dr. S.K. Khairnar
HoD

[Signature]

Sem-II, AY 2019-20



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoe.in/>
Department of First Year Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2019-20

Subject: Engineering Mathematics - II

Class: FE

Semester: II

Div: C

Name of Subject Teacher: Mr. Rahulkumar D Katkade

CO No.	BT level	Students will be able to
CO-1	4-Analyze	The effective mathematical tools for solutions of first order differential equations.
CO-2	2-Understand	The model physical processes such as Newton's law of cooling, electrical circuit, rectilinear motion, mass spring systems, heat transfer etc
CO-3	3-Apply	Advanced integration techniques such as Reduction formulac, Beta functions, Gamma functions, Differentiation under integral sign and Error functions needed in evaluating multiple integrals and their applications.
CO-4	4-Analyze	To trace the curve for a given equation and measure arc length of various curves.
CO-5	4-Analyze	The concepts of solid geometry using equations of sphere, cone and cylinder in a comprehensive manner.
CO-6	3-Apply	Evaluation of multiple integrals and its application to find area bounded by curves, volume bounded by surfaces, Centre of gravity and Moment of inertia.

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Subject teacher
 Mr. R D Katkade



Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

HoD
 Dr. S.M.Khairnar





Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: <https://dypsoe.in/>
Department of First Year Engineering

Dr.

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2019-20

Semester: II

Subject: Engineering Mathematics - II

Class: FE Div: C

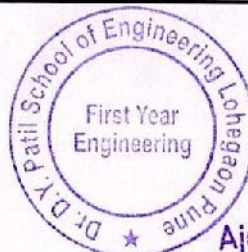
Name of Subject Teacher: Mr. Rahul Kumar D Katkade

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	1													
CO-2	2-Understand	2	2													
CO-3	3-Apply	2	1													
CO-4	4-Analyze	2	1													
CO-5	4-Analyze	2	1													
CO-6	3-Apply	2	2													
Average		2.00	1.33	-	-	-	-	-	-	-	-	-	-	-	-	-
Rounded off		2	2													

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



Subject teacher
Mr. R. D. Katkade



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

HoD
Dr. S.M. Khairnar



Empowerment Through Quality Technical Education
School of Engineering
Charholi (B), Lohegaon, Pune - 412 105

Department of First Year Engineering

Dr. D. Y. Patil
Dr. D. Y. Patil Knowledge City,
Website: <http://ajeeva.in>

CO-PO-PSO Attainment

Form No. IQAC/06

Academic Year: 2019-20

Subject: Engineering Mathematics - II

Name of Subject Teacher: Mr. R.D. Kulkade

Semester: II

		Bloom's Taxonomy	Direct Assessment (Internal) (20%)						Direct Assessment (External) (20%) University Exams				Direct Assessment (DA)		CG Attainment																					Class FE			Div: C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CO No.	Statement of COs		Unit Test (20%)			CA (10%)			Subject Result (40%)		PROR/TW (10%)		Mapping of (20% Internal tests-10% Continuous Assessment +40% Univ. result(CEI)- 10% Univ. oral result(TEI)- 10% Univ. oral result)	Indirect Assessment (IDA)		PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PO13	Attainment	PO14	Attainment	PO15	Attainment	PO16	Attainment	PO17	Attainment	PO18	Attainment	PO19	Attainment	PO20	Attainment	PO21	Attainment	PO22	Attainment	PO23	Attainment	PO24	Attainment	PO25	Attainment	PO26	Attainment	PO27	Attainment	PO28	Attainment	PO29	Attainment	PO30	Attainment	PO31	Attainment	PO32	Attainment	PO33	Attainment	PO34	Attainment	PO35	Attainment	PO36	Attainment	PO37	Attainment	PO38	Attainment	PO39	Attainment	PO40	Attainment	PO41	Attainment	PO42	Attainment	PO43	Attainment	PO44	Attainment	PO45	Attainment	PO46	Attainment	PO47	Attainment	PO48	Attainment	PO49	Attainment	PO50	Attainment	PO51	Attainment	PO52	Attainment	PO53	Attainment	PO54	Attainment	PO55	Attainment	PO56	Attainment	PO57	Attainment	PO58	Attainment	PO59	Attainment	PO60	Attainment	PO61	Attainment	PO62	Attainment	PO63	Attainment	PO64	Attainment	PO65	Attainment	PO66	Attainment	PO67	Attainment	PO68	Attainment	PO69	Attainment	PO70	Attainment	PO71	Attainment	PO72	Attainment	PO73	Attainment	PO74	Attainment	PO75	Attainment	PO76	Attainment	PO77	Attainment	PO78	Attainment	PO79	Attainment	PO80	Attainment	PO81	Attainment	PO82	Attainment	PO83	Attainment	PO84	Attainment	PO85	Attainment	PO86	Attainment	PO87	Attainment	PO88	Attainment	PO89	Attainment	PO90	Attainment	PO91	Attainment	PO92	Attainment	PO93	Attainment	PO94	Attainment	PO95	Attainment	PO96	Attainment	PO97	Attainment	PO98	Attainment	PO99	Attainment	PO100	Attainment	PO101	Attainment	PO102	Attainment	PO103	Attainment	PO104	Attainment	PO105	Attainment	PO106	Attainment	PO107	Attainment	PO108	Attainment	PO109	Attainment	PO110	Attainment	PO111	Attainment	PO112	Attainment	PO113	Attainment	PO114	Attainment	PO115	Attainment	PO116	Attainment	PO117	Attainment	PO118	Attainment	PO119	Attainment	PO120	Attainment	PO121	Attainment	PO122	Attainment	PO123	Attainment	PO124	Attainment	PO125	Attainment	PO126	Attainment	PO127	Attainment	PO128	Attainment	PO129	Attainment	PO130	Attainment	PO131	Attainment	PO132	Attainment	PO133	Attainment	PO134	Attainment	PO135	Attainment	PO136	Attainment	PO137	Attainment	PO138	Attainment	PO139	Attainment	PO140	Attainment	PO141	Attainment	PO142	Attainment	PO143	Attainment	PO144	Attainment	PO145	Attainment	PO146	Attainment	PO147	Attainment	PO148	Attainment	PO149	Attainment	PO150	Attainment	PO151	Attainment	PO152	Attainment	PO153	Attainment	PO154	Attainment	PO155	Attainment	PO156	Attainment	PO157	Attainment	PO158	Attainment	PO159	Attainment	PO160	Attainment	PO161	Attainment	PO162	Attainment	PO163	Attainment	PO164	Attainment	PO165	Attainment	PO166	Attainment	PO167	Attainment	PO168	Attainment	PO169	Attainment	PO170	Attainment	PO171	Attainment	PO172	Attainment	PO173	Attainment	PO174	Attainment	PO175	Attainment	PO176	Attainment	PO177	Attainment	PO178	Attainment	PO179	Attainment	PO180	Attainment	PO181	Attainment	PO182	Attainment	PO183	Attainment	PO184	Attainment	PO185	Attainment	PO186	Attainment	PO187	Attainment	PO188	Attainment	PO189	Attainment	PO190	Attainment	PO191	Attainment	PO192	Attainment	PO193	Attainment	PO194	Attainment	PO195	Attainment	PO196	Attainment	PO197	Attainment	PO198	Attainment	PO199	Attainment	PO200	Attainment	PO201	Attainment	PO202	Attainment	PO203	Attainment	PO204	Attainment	PO205	Attainment	PO206	Attainment	PO207	Attainment	PO208	Attainment	PO209	Attainment	PO210	Attainment	PO211	Attainment	PO212	Attainment	PO213	Attainment	PO214	Attainment	PO215	Attainment	PO216	Attainment	PO217	Attainment	PO218	Attainment	PO219	Attainment	PO220	Attainment	PO221	Attainment	PO222	Attainment	PO223	Attainment	PO224	Attainment	PO225	Attainment	PO226	Attainment	PO227	Attainment	PO228	Attainment	PO229	Attainment	PO230	Attainment	PO231	Attainment	PO232	Attainment	PO233	Attainment	PO234	Attainment	PO235	Attainment	PO236	Attainment	PO237	Attainment	PO238	Attainment	PO239	Attainment	PO240	Attainment	PO241	Attainment	PO242	Attainment	PO243	Attainment	PO244	Attainment	PO245	Attainment	PO246	Attainment	PO247	Attainment	PO248	Attainment	PO249	Attainment	PO250	Attainment	PO251	Attainment	PO252	Attainment	PO253	Attainment	PO254	Attainment	PO255	Attainment	PO256	Attainment	PO257	Attainment	PO258	Attainment	PO259	Attainment	PO260	Attainment	PO261	Attainment	PO262	Attainment	PO263	Attainment	PO264	Attainment	PO265	Attainment	PO266	Attainment	PO267	Attainment	PO268	Attainment	PO269	Attainment	PO270	Attainment	PO271	Attainment	PO272	Attainment	PO273	Attainment	PO274	Attainment	PO275	Attainment	PO276	Attainment	PO277	Attainment	PO278	Attainment	PO279	Attainment	PO280	Attainment	PO281	Attainment	PO282	Attainment	PO283	Attainment	PO284	Attainment	PO285	Attainment	PO286	Attainment	PO287	Attainment	PO288	Attainment	PO289	Attainment	PO290	Attainment	PO291	Attainment	PO292	Attainment	PO293	Attainment	PO294	Attainment	PO295	Attainment	PO296	Attainment	PO297	Attainment	PO298	Attainment	PO299	Attainment	PO300	Attainment	PO301	Attainment	PO302	Attainment	PO303	Attainment	PO304	Attainment	PO305	Attainment	PO306	Attainment	PO307	Attainment	PO308	Attainment	PO309	Attainment	PO310	Attainment	PO311	Attainment	PO312	Attainment	PO313	Attainment	PO314	Attainment	PO315	Attainment	PO316	Attainment	PO317	Attainment	PO318	Attainment	PO319	Attainment	PO320	Attainment	PO321	Attainment	PO322	Attainment	PO323	Attainment	PO324	Attainment	PO325	Attainment	PO326	Attainment	PO327	Attainment	PO328	Attainment	PO329	Attainment	PO330	Attainment	PO331	Attainment	PO332	Attainment	PO333	Attainment	PO334	Attainment	PO335	Attainment	PO336	Attainment	PO337	Attainment	PO338	Attainment	PO339	Attainment	PO340	Attainment	PO341	Attainment	PO342	Attainment	PO343	Attainment	PO344	Attainment	PO345	Attainment	PO346	Attainment	PO347	Attainment	PO348	Attainment	PO349	Attainment	PO350	Attainment	PO351	Attainment	PO352	Attainment	PO353	Attainment	PO354	Attainment	PO355	Attainment	PO356	Attainment	PO357	Attainment	PO358	Attainment	PO359	Attainment	PO360	Attainment	PO361	Attainment	PO362	Attainment	PO363	Attainment	PO364	Attainment	PO365	Attainment	PO366	Attainment	PO367	Attainment	PO368	Attainment	PO369	Attainment	PO370	Attainment	PO371	Attainment	PO372	Attainment	PO373	Attainment	PO374	Attainment	PO375	Attainment	PO376	Attainment	PO377	Attainment	PO378	Attainment	PO379	Attainment	PO380	Attainment	PO381	Attainment	PO382	Attainment	PO383	Attainment	PO384	Attainment	PO385	Attainment	PO386	Attainment	PO387	Attainment	PO388	Attainment	PO389	Attainment	PO390	Attainment	PO391	Attainment	PO392	Attainment	PO393	Attainment	PO394	Attainment	PO395	Attainment	PO396	Attainment	PO397	Attainment	PO398	Attainment	PO399	Attainment	PO400	Attainment	PO401	Attainment	PO402	Attainment	PO403	Attainment	PO404	Attainment	PO405	Attainment	PO406	Attainment	PO407	Attainment	PO408	Attainment	PO409	Attainment	PO410	Attainment	PO411	Attainment	PO412	Attainment	PO413	Attainment	PO414	Attainment	PO415	Attainment	PO416	Attainment	PO417	Attainment	PO418	Attainment	PO419	Attainment	PO420	Attainment	PO421	Attainment	PO422	Attainment	PO423	Attainment	PO424	Attainment	PO425	Attainment	PO426	Attainment	PO427	Attainment	PO428	Attainment	PO429	Attainment	PO430	Attainment	PO431	Attainment	PO432	Attainment	PO433	Attainment	PO434	Attainment	PO435	Attainment	PO436	Attainment	PO437	Attainment	PO438	Attainment	PO439	Attainment	PO440	Attainment	PO441	Attainment	PO442	Attainment	PO443	Attainment	PO444	Attainment	PO445	Attainment	PO446	Attainment	PO447	Attainment	PO448	Attainment	PO449	Attainment	PO450	Attainment	PO451	Attainment	PO452	Attainment	PO453	Attainment	PO454	Attainment	PO455	Attainment	PO456	Attainment	PO457	Attainment	PO458	Attainment	PO459	Attainment	PO460	Attainment	PO461	Attainment	PO462	Attainment	PO463	Attainment	PO464	Attainment	PO465	Attainment	PO466	Attainment	PO467	Attainment	PO468	Attainment	PO469	Attainment	PO470	Attainment	PO471	Attainment	PO472	Attainment	PO473	Attainment	PO474	Attainment	PO475	Attainment	PO476	Attainment	PO477	Attainment	PO478	Attainment	PO479	Attainment	PO480	Attainment	PO481	Attainment	PO482	Attainment	PO483	Attainment	PO484	Attainment	PO485	Attainment	PO486	Attainment	PO487	Attainment	PO488	Attainment	PO489	Attainment	PO490	Attainment	PO491	Attainment	PO492	Attainment	PO493	Attainment	PO494	Attainment	PO495	Attainment	PO496	Attainment	PO497	Attainment	PO498	Attainment	PO499	Attainment	PO500	Attainment	PO501	Attainment	PO502	Attainment	PO503	Attainment	PO504	Attainment	PO505	Attainment	PO506	Attainment	PO507	Attainment	PO508	Attainment	PO509	Attainment	PO510	Attainment	PO511	Attainment	PO512	Attainment	PO513	Attainment	PO514	Attainment	PO515	Attainment	PO516	Attainment	PO517	Attainment	PO518	Attainment	PO519	Attainment	PO520	Attainment	PO521	Attainment	PO522	Attainment	PO523	Attainment	PO524	Attainment	PO525	Attainment	PO526	Attainment	PO527	Attainment	PO528	Attainment	PO529	Attainment	PO530	Attainment	PO531	Attainment	PO532	Attainment	PO533	Attainment	PO534	Attainment	PO535	Attainment	PO536	Attainment	PO537	Attainment	



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2019-2020

Subject:Computer Networks

Class: T.E.

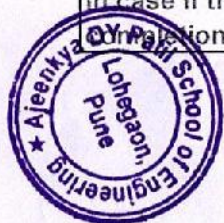
Semester:I

Div:B

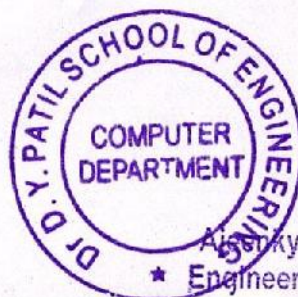
Name of Subject Teacher: Prof.Prof.Amruta Chitari

CO No.	BT level	Students will be able to
CO-1	2-Understand	To understand the fundamental concepts of networking standards, protocols and technologies.
CO-2	4-Analyze	To learn different techniques for framing, error control, flow control and routing
CO-3	2-Understand	To learn role of protocols at various layers in the protocol stacks.
CO-4	2-Understand	To learn network programming.
CO-5	6-Create	To develop an understanding of modern network architectures from a design and performance perspective
CO-6	2-Understand	Recognize role of application layer with its protocols, client-server architectures

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Amruta
Prof. Amruta Chitari
Subject teacher



Pankaj
Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Pankaj
Dr. Pankaj Agarkar
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical
Lohegaon Charnoli Bk Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105
Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2019-2020

Semester: I

Subject: Computer Networks

Class: T.E.

Div: B

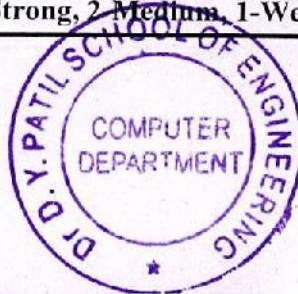
Name of Subject Teacher: Prof. Prof. Amruta Chitari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO-1	2-Understand	1	-	1	2	2	1	-	-	-	-	1	1	1	
CO-2	4-Analyze	1	1	1	1	1	-	1	-	-	1	-	-	1	
CO-3	2-Understand	1	1	1	1	1	-	1	-	-	1	-	-	1	
CO-4	2-Understand	3	1	2	1	2	-	-	-	-	-	-	1	1	
CO-5	6-Create	1	2	1	2	2	-	-	-	1	-	1	1	1	
CO-6	2-Understand	1	3	-	-	1	-	1	1	-	-	-	-	1	
Average		1.33	1.60	1.20	1.40	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-
Rounded off		2	2	2	2	2	1	1	1	1	1	1	1	1	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



Prof. Amruta Chitari
Subject teacher

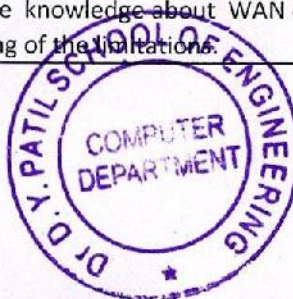


Dr. Pankaj Agarkar
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk, Pune - 412 105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

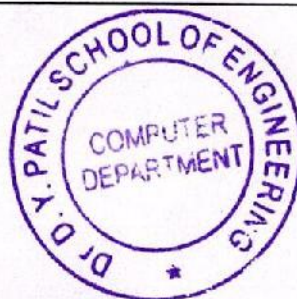
Justification for CO-PO Mapping.


CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	1	Slightly having the Knowledge of the fundamental concepts of computer networks and its application that helps in solving complex engineering problems
	PO3	1	Slightly the student using the knowledge of computer architecture concepts, we can design and develop solutions for complex engineering problems
	PO4	2	Moderately having Knowledge of Computer network technologies can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	2	Strongly having the Knowledge of the fundamental concepts of Data Structures and its application that helps in solving complex engineering problems
	PO6	1	Slightly mapped as the students, can use different modern tools to modeling to complex engineering activities with an understanding of the limitations.
	PO8	1	Slightly the students, can understand the ethical principals of the using computer network devices in the engineering practice
	PO11	1	Slight knowledge & understanding of the protocol can be applied in multidisciplinary environment
	PO12	1	Slightly having the understanding for the need of CN and have the preparation and ability to life-long learning in the broadest context of technological change
	PSO1	1	Slightly the student will study of fundamental concepts of OSI layer to analyse and develop algorithms and implement them using high-level programming languages.
CO-2	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture, IP & routing algorithm
	PO2	1	Students having marginal Knowledge of the datalink layer that helps in identifying complex engineering problems & solution to it
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge of flow control in data link layer can be used to conduct experiments in real life problems to provide valid conclusions
		1	Slightly the students having the knowledge about WAN connectivity & Ethernet standard to analyze complex engineering activities with an understanding of the limitations.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

	PO7	1	Slightly the student can understand the use of MAC sublayer ,flow control & error control in the societal and environment context.
	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficient design of computer-based systems of varying.
	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture , IP & routing algorithm
CO-3	PO2	1	Students having marginal Knowledge of the datalink layer that helps in identifying complex engineering problems & solution to it
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge of flow control in data link layer can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	1	Slightly the students having the knowledge about WAN connectivity & Ethernet standard to analyze complex engineering activities with an understanding of the limitations.
	PO7	1	Slightly the student can understand the use of MAC sublayer ,flow control & error control in the societal and environment context.
	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficient design of computer-based systems of varying.
CO-4	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture , IP & routing algorithm
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge students can apply the concept of IP and routing algorithm in networking applications.
	PO5	2	Slightly the students will study different tools used for routing to complex engineering activities can be used to conduct experiments in real life problems to provide valid conclusions
	PO12	1	Slightly the student will become aware of the need for subnetting and the continued upgrading of technical knowledge of IP addressing

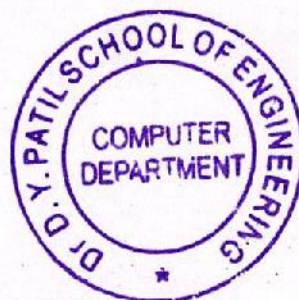



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

CO-5	PSO1	1	Slightly the student will have ability to understand, analyze and develop subnetting in the area of computer network for efficient design of computer-based systems of varying.
	PSO2	1	Slightly student Knowledge of routing concepts contribute skills in computing and knowledge
	PO2	3	Strongly having the Knowledge of the fundamental concepts of transport layer services that helps in solving complex engineering problems.
	PO3	1	Slightly the student having the Knowledge of client-server can design , develop, implement solutions for complex engineering problems.
	PO4	2	Moderately the knowledge of various tool of client -server architecture will help student to design and conduct experiments to provide valid conclusions
	PO5	1	Slightly the students will study different tools used to implement Client Server application using socket
	PO12	1	Moderately the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge in socket programming
	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of TCP in the area of computer network for efficient design .
	PSO2	1	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering domain of services of TCP & UDP in networking protocols.
	PO1	1	Slightly mapped as students will be able to understand the principles of the application layer protocol HTTP,FTP,SMTP & DNS
	PO2	3	Strongly mapped as students will be able identify working principles of application layer protocols HTTP
	PO5	1	Slightly the students will study different tools used to in application layer
	PO7	1	Slightly the student can understand the use of application layer tool in the societal and environment
	PO8	1	Slightly the students will apply secure application protocol to ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
CO-6	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of Application layer in the area of computer network for efficient design .
	PSO2	2	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering ,principles of application layer protocols fro developing networking applications.



Amruta
Prof. Amruta Chitari
Subject teacher



Pankaj
Dr. Pankaj Agarkar
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Charholi Bk Pune 412105

P
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,

Charholi (Bk), Lohegaon, Pune - 412 105

Website: <https://dypse.in/>

Department of Computer Engineering

CO-PDP-PSO Attachment

Form No. EAC-36

Academic Year: 2019-2020

Subject: Computer Networks

Name of Subject Teacher: **Amruta Chitambar**

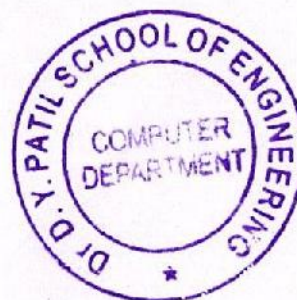
Semester I

CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) 20 %						Direct Assessment (External) 70% University Exams				Direct Assessment (DA)		Indirect Assessment (DA)		CO Attainment	Class: I.E																									Div: B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Final Test		20%		CA (60%)		Subject Result (60%)		PGWRTW (10%)		Mapping of 20% Internal tests 10% Continuous Assessment 60% End result (10+10+10% internal result)		Course End Survey			Weightage (60% DA + 20% DA)	FT1	Attain ment	FT2	Attain ment	FT3	Attain ment	FT4	Attain ment	FT5	Attain ment	FT6	Attain ment	FT7	Attain ment	FT8	Attain ment	FT9	Attain ment	FT10	Attain ment	FT11	Attain ment	FT12	Attain ment	FT13	Attain ment	FT14	Attain ment	FT15	Attain ment	FT16	Attain ment	FT17	Attain ment	FT18	Attain ment	FT19	Attain ment	FT20	Attain ment	FT21	Attain ment	FT22	Attain ment	FT23	Attain ment	FT24	Attain ment	FT25	Attain ment	FT26	Attain ment	FT27	Attain ment	FT28	Attain ment	FT29	Attain ment	FT30	Attain ment	FT31	Attain ment	FT32	Attain ment	FT33	Attain ment	FT34	Attain ment	FT35	Attain ment	FT36	Attain ment	FT37	Attain ment	FT38	Attain ment	FT39	Attain ment	FT40	Attain ment	FT41	Attain ment	FT42	Attain ment	FT43	Attain ment	FT44	Attain ment	FT45	Attain ment	FT46	Attain ment	FT47	Attain ment	FT48	Attain ment	FT49	Attain ment	FT50	Attain ment	FT51	Attain ment	FT52	Attain ment	FT53	Attain ment	FT54	Attain ment	FT55	Attain ment	FT56	Attain ment	FT57	Attain ment	FT58	Attain ment	FT59	Attain ment	FT60	Attain ment	FT61	Attain ment	FT62	Attain ment	FT63	Attain ment	FT64	Attain ment	FT65	Attain ment	FT66	Attain ment	FT67	Attain ment	FT68	Attain ment	FT69	Attain ment	FT70	Attain ment	FT71	Attain ment	FT72	Attain ment	FT73	Attain ment	FT74	Attain ment	FT75	Attain ment	FT76	Attain ment	FT77	Attain ment	FT78	Attain ment	FT79	Attain ment	FT80	Attain ment	FT81	Attain ment	FT82	Attain ment	FT83	Attain ment	FT84	Attain ment	FT85	Attain ment	FT86	Attain ment	FT87	Attain ment	FT88	Attain ment	FT89	Attain ment	FT90	Attain ment	FT91	Attain ment	FT92	Attain ment	FT93	Attain ment	FT94	Attain ment	FT95	Attain ment	FT96	Attain ment	FT97	Attain ment	FT98	Attain ment	FT99	Attain ment	FT100	Attain ment	FT101	Attain ment	FT102	Attain ment	FT103	Attain ment	FT104	Attain ment	FT105	Attain ment	FT106	Attain ment	FT107	Attain ment	FT108	Attain ment	FT109	Attain ment	FT110	Attain ment	FT111	Attain ment	FT112	Attain ment	FT113	Attain ment	FT114	Attain ment	FT115	Attain ment	FT116	Attain ment	FT117	Attain ment	FT118	Attain ment	FT119	Attain ment	FT120	Attain ment	FT121	Attain ment	FT122	Attain ment	FT123	Attain ment	FT124	Attain ment	FT125	Attain ment	FT126	Attain ment	FT127	Attain ment	FT128	Attain ment	FT129	Attain ment	FT130	Attain ment	FT131	Attain ment	FT132	Attain ment	FT133	Attain ment	FT134	Attain ment	FT135	Attain ment	FT136	Attain ment	FT137	Attain ment	FT138	Attain ment	FT139	Attain ment	FT140	Attain ment	FT141	Attain ment	FT142	Attain ment	FT143	Attain ment	FT144	Attain ment	FT145	Attain ment	FT146	Attain ment	FT147	Attain ment	FT148	Attain ment	FT149	Attain ment	FT150	Attain ment	FT151	Attain ment	FT152	Attain ment	FT153	Attain ment	FT154	Attain ment	FT155	Attain ment	FT156	Attain ment	FT157	Attain ment	FT158	Attain ment	FT159	Attain ment	FT160	Attain ment	FT161	Attain ment	FT162	Attain ment	FT163	Attain ment	FT164	Attain ment	FT165	Attain ment	FT166	Attain ment	FT167	Attain ment	FT168	Attain ment	FT169	Attain ment	FT170	Attain ment	FT171	Attain ment	FT172	Attain ment	FT173	Attain ment	FT174	Attain ment	FT175	Attain ment	FT176	Attain ment	FT177	Attain ment	FT178	Attain ment	FT179	Attain ment	FT180	Attain ment	FT181	Attain ment	FT182	Attain ment	FT183	Attain ment	FT184	Attain ment	FT185	Attain ment	FT186	Attain ment	FT187	Attain ment	FT188	Attain ment	FT189	Attain ment	FT190	Attain ment	FT191	Attain ment	FT192	Attain ment	FT193	Attain ment	FT194	Attain ment	FT195	Attain ment	FT196	Attain ment	FT197	Attain ment	FT198	Attain ment	FT199	Attain ment	FT200	Attain ment	FT201	Attain ment	FT202	Attain ment	FT203	Attain ment	FT204	Attain ment	FT205	Attain ment	FT206	Attain ment	FT207	Attain ment	FT208	Attain ment	FT209	Attain ment	FT210	Attain ment	FT211	Attain ment	FT212	Attain ment	FT213	Attain ment	FT214	Attain ment	FT215	Attain ment	FT216	Attain ment	FT217	Attain ment	FT218	Attain ment	FT219	Attain ment	FT220	Attain ment	FT221	Attain ment	FT222	Attain ment	FT223	Attain ment	FT224	Attain ment	FT225	Attain ment	FT226	Attain ment	FT227	Attain ment	FT228	Attain ment	FT229	Attain ment	FT230	Attain ment	FT231	Attain ment	FT232	Attain ment	FT233	Attain ment	FT234	Attain ment	FT235	Attain ment	FT236	Attain ment	FT237	Attain ment	FT238	Attain ment	FT239	Attain ment	FT240	Attain ment	FT241	Attain ment	FT242	Attain ment	FT243	Attain ment	FT244	Attain ment	FT245	Attain ment	FT246	Attain ment	FT247	Attain ment	FT248	Attain ment	FT249	Attain ment	FT250	Attain ment	FT251	Attain ment	FT252	Attain ment	FT253	Attain ment	FT254	Attain ment	FT255	Attain ment	FT256	Attain ment	FT257	Attain ment	FT258	Attain ment	FT259	Attain ment	FT260	Attain ment	FT261	Attain ment	FT262	Attain ment	FT263	Attain ment	FT264	Attain ment	FT265	Attain ment	FT266	Attain ment	FT267	Attain ment	FT268	Attain ment	FT269	Attain ment	FT270	Attain ment	FT271	Attain ment	FT272	Attain ment	FT273	Attain ment	FT274	Attain ment	FT275	Attain ment	FT276	Attain ment	FT277	Attain ment	FT278	Attain ment	FT279	Attain ment	FT280	Attain ment	FT281	Attain ment	FT282	Attain ment	FT283	Attain ment	FT284	Attain ment	FT285	Attain ment	FT286	Attain ment	FT287	Attain ment	FT288	Attain ment	FT289	Attain ment	FT290	Attain ment	FT291	Attain ment	FT292	Attain ment	FT293	Attain ment	FT294	Attain ment	FT295	Attain ment	FT296	Attain ment	FT297	Attain ment	FT298	Attain ment	FT299	Attain ment	FT300	Attain ment	FT301	Attain ment	FT302	Attain ment	FT303	Attain ment	FT304	Attain ment	FT305	Attain ment	FT306	Attain ment	FT307	Attain ment	FT308	Attain ment	FT309	Attain ment	FT310	Attain ment	FT311	Attain ment	FT312	Attain ment	FT313	Attain ment	FT314	Attain ment	FT315	Attain ment	FT316	Attain ment	FT317	Attain ment	FT318	Attain ment	FT319	Attain ment	FT320	Attain ment	FT321	Attain ment	FT322	Attain ment	FT323	Attain ment	FT324	Attain ment	FT325	Attain ment	FT326	Attain ment	FT327	Attain ment	FT328	Attain ment	FT329	Attain ment	FT330	Attain ment	FT331	Attain ment	FT332	Attain ment	FT333	Attain ment	FT334	Attain ment	FT335	Attain ment	FT336	Attain ment	FT337	Attain ment	FT338	Attain ment	FT339	Attain ment	FT340	Attain ment	FT341	Attain ment	FT342	Attain ment	FT343	Attain ment	FT344	Attain ment	FT345	Attain ment	FT346	Attain ment	FT347	Attain ment	FT348	Attain ment	FT349	Attain ment	FT350	Attain ment	FT351	Attain ment	FT352	Attain ment	FT353	Attain ment	FT354	Attain ment	FT355	Attain ment	FT356	Attain ment	FT357	Attain ment	FT358	Attain ment	FT359	Attain ment	FT360	Attain ment	FT361	Attain ment	FT362	Attain ment	FT363	Attain ment	FT364	Attain ment	FT365	Attain ment	FT366	Attain ment	FT367	Attain ment	FT368	Attain ment	FT369	Attain ment	FT370	Attain ment	FT371	Attain ment	FT372	Attain ment	FT373	Attain ment	FT374	Attain ment	FT375	Attain ment	FT376	Attain ment	FT377	Attain ment	FT378	Attain ment	FT379	Attain ment	FT380	Attain ment	FT381	Attain ment	FT382	Attain ment	FT383	Attain ment	FT384	Attain ment	FT385	Attain ment	FT386	Attain ment	FT387	Attain ment	FT388	Attain ment	FT389	Attain ment	FT390	Attain ment	FT391	Attain ment	FT392	Attain ment	FT393	Attain ment	FT394	Attain ment	FT395	Attain ment	FT396	Attain ment	FT397	Attain ment	FT398	Attain ment	FT399	Attain ment	FT400	Attain ment	FT401	Attain ment	FT402	Attain ment	FT403	Attain ment	FT404	Attain ment	FT405	Attain ment	FT406	Attain ment	FT407	Attain ment	FT408	Attain ment	FT409	Attain ment	FT410	Attain ment	FT411	Attain ment	FT412	Attain ment	FT413	Attain ment	FT414	Attain ment	FT415	Attain ment	FT416	Attain ment	FT417	Attain ment	FT418	Attain ment	FT419	Attain ment	FT420	Attain ment	FT421	Attain ment	FT422	Attain ment	FT423	Attain ment	FT424	Attain ment	FT425	Attain ment	FT426	Attain ment	FT427	Attain ment	FT428	Attain ment	FT429	Attain ment	FT430	Attain ment	FT431	Attain ment	FT432	Attain ment	FT433	Attain ment	FT434	Attain ment	FT435	Attain ment	FT436	Attain ment	FT437	Attain ment	FT438	Attain ment	FT439	Attain ment	FT440	Attain ment	FT441	Attain ment	FT442	Attain ment	FT443	Attain ment	FT444	Attain ment	FT445	Attain ment	FT446	Attain ment	FT447	Attain ment	FT448	Attain ment	FT449	Attain ment	FT450	Attain ment	FT451	Attain ment	FT452	Attain ment	FT453	Attain ment	FT454	Attain ment	FT455	Attain ment	FT456	Attain ment	FT457	Attain ment	FT458	Attain ment	FT459	Attain ment	FT460	Attain ment	FT461	Attain ment	FT462	Attain ment	FT463	Attain ment	FT464	Attain ment	FT465	Attain ment	FT466	Attain ment	FT467	Attain ment	FT468	Attain ment	FT469	Attain ment	FT470	Attain ment	FT471	Attain ment	FT472	Attain ment	FT473	Attain ment	FT474	Attain ment	FT475	Attain ment	FT476	Attain ment	FT477	Attain ment	FT478	Attain ment	FT479	Attain ment	FT480	Attain ment	FT481	Attain ment	FT482	Attain ment	FT483	Attain ment	FT484	Attain ment	FT485	Attain ment	FT486	Attain ment	FT487	Attain ment	FT488	Attain ment	FT489	Attain ment	FT490	Attain ment	FT491	Attain ment	FT492	Attain ment	FT493	Attain ment	FT494	Attain ment	FT495	Attain ment	FT496	Attain ment	FT497	Attain ment	FT498	Attain ment	FT499	Attain ment	FT500	Attain ment	FT501	Attain ment	FT502	Attain ment	FT503	Attain ment	FT504	Attain ment	FT505	Attain ment	FT506	Attain ment	FT507	Attain ment	FT508	Attain ment	FT509	Attain ment	FT510	Attain ment	FT511	Attain ment	FT512	Attain ment	FT513	Attain ment	FT514	Attain ment	FT515	Attain ment	FT516	Attain ment	FT517	Attain ment	FT518	Attain ment	FT519	Attain ment	FT520	Attain ment	FT521	Attain ment	FT522	Attain ment	FT523	Attain ment	FT524	Attain ment	FT525	Attain ment	FT526	Attain ment	FT527	Attain ment	FT528	Attain ment	FT529	Attain ment	FT530	Attain ment	FT531	Attain ment

Amruta Chitambar
Subject Teacher

Dr. D. Y. Patil
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
1/A Lohegaon, Charholi Bk Pune 412105



Ajeenkya

Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (BK), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2019-20

Semester: II

Subject:Systems Programming and Operating System(SP & OS)

Class: TE

Div: B

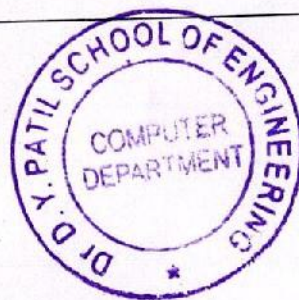
Name of Subject Teacher:Prof. Pallavi Shimpi

CO No.	BT level	Students will be able to
CO-1	2-Understand	To understand basics of System Programming
CO-2	2-Understand	To learn and understand data structures used in design of system software.
CO-3	2-Understand	To learn and understand basics of compilers and tools.
CO-4	2-Understand	To understand functions of operating system.
CO-5	2-Understand	To learn and understand process, resource and memory management.
CO-6	3-Apply	Demonstrate memory organization and memory management policies

In case if the syllabus dosen't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Prof. Pallavi shimpi
Subject Teacher



Dr. Pankaj Agarkar
HOD

Head of the Department, Ajeenkya DY Patil School of Engineering, Lohegaon, Pune
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon-Chandoli Bk Pune 412105

Principal



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Semester: II

Class: TE

Div: B

Academic Year: 2019-20

Subject: Systems Programming and Operating System (SP & OS)

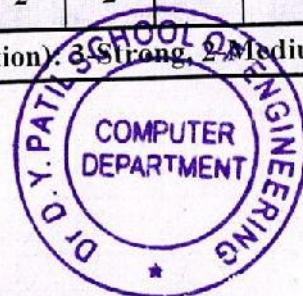
Name of Subject Teacher: Prof. Pallavi Shimpi

PO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO																
CO-1	2-Understand	2	2	2	1									3		
CO-2	2-Understand	2	2	1	2									2	2	1
CO-3	2-Understand	2	2	1	1									1		
CO-4	2-Understand	2	1	2	1								1	2	1	
CO-5	2-Understand	2	2	1	2								1	2	1	
CO-6	3-Apply	2	1	2	1								1	1		
Average		2.00	1.67	1.50	1.33	-	-	-	-	-	-	-	1.00	1.83	1.33	1.00
Rounded		2	2	2	2								1	2	2	1

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



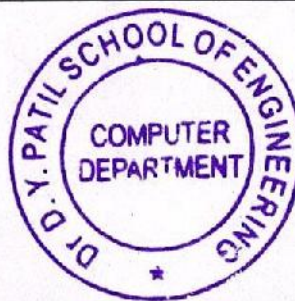
Prof. Pallavi Shimpi
Subject Teacher



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk, Pune - 412105

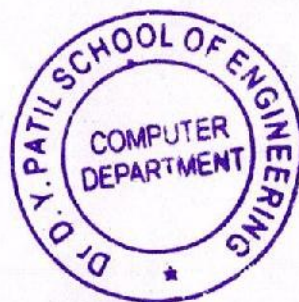
Justification for CO-PO Mapping.


CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	2	Moderately having the knowledge of engineering fundamentals, and an engineering specialization for analyzing System Software and its functionality
	PO2	2	Students can moderately able to analyze System Software by recognizing the need for, and have the preparation and ability to engage in independent and life-long learning
	PO3	2	Students can moderately able to Design solutions for complex system software and design system components or processes
	PO4	1	Slightly the student able to understand, analyze and develop system software,web design.
	PSO1	3	Students can strongly able to analyze System Software by recognizing the need for developing computer programs.
CO-2	PO1	2	Moderately having the Knowledge of the fundamental concepts of IData Structures that helps in solving complex engineering problems.
	PO2	2	Moderately the student will know Principles of mathematics and engineering sciences are used in Design & Implement various System Software.
	PO3	1	Slightly the student using the knowledge of system software, we can design and implement solutions for problems in operating system.
	PO4	2	Moderately having Knowledge of analysis and interpretation of data to implement various software system.
	PSO1	2	Moderately the student will understand the algorithms for design and implement various system software.
	PSO2	2	Moderately the student can deliver good quality software by using various algorithms.
	PSO3	1	Slightly the student using the platform to build their carrier path to become entrepreneur.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

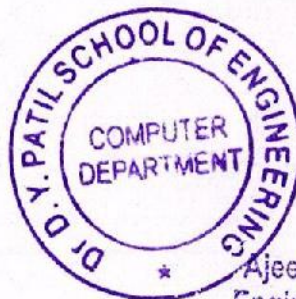
CO-3	PO1	2	Moderately having the Knowledge of the different Loading Scheme and analyze the performance of linker and loader
	PO2	2	Moderately the student will Identify, formulate concept of loader and linker using various methods.
	PO3	1	Slightly the student using the knowledge of different types of linker and loader , we can design and develop solutions for complex engineering problems related to loader and linker.
	PO4	1	Slightly having Knowledge of performance of different types of loader.
	PSO1	1	students Slightly able to compare different algorithms related to system software.
CO-4	PO1	2	Moderately Implement process scheduling algorithm that helps in solving complex engineering problems related to operating system.
	PO2	1	Slightly the student will Identify the optimized methods for process scheduling.
	PO3	2	Moderately design and implement algorithms for processes scheduling ,Design solutions for complex scheduling problems.
	PO4	1	Slightly having Knowledge of design of scheduling experiments, analysis processes in operating system , and synthesis of the information to provide valid conclusions.
	PO12	1	Slightly the student will Recognize the need for scheduling in operating system.
	PSO1	2	Moderately design and implement algorithms needed to analyze the complex problems.
	PSO2	1	Slightly the student will Recognize the strategies & algorithms to find efficiency in operating system.




Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

CO-5	PO1	2	Moderately having the Knowledge of the fundamental concepts of deadlock and concurrency issues that helps in solving complex problems.
	PO2	2	Moderately the student will analyze possible ways that generate the dealock situation in operating system.
	PO3	1	Slightly having the Knowledge to design different deadlock prevention , recovery methods.
	PO4	2	Moderately having the Knowledge analysis and implement of different deadlock prevention methods, and synthesis of the information to provide efficient results.
	PO12	1	Slightly the student will Recognize the need of deadlock , deadlock prevention , recovery methods.
	PSO1	2	Moderately the student will identifiyt possible mechanism to deal with dealock situation in operating system.
	PSO2	1	Slightly the student will apply the practices and strategies to remove the deadlock problems.
CO-6	PO1	2	Moderately having the fundmental concept to Demonstrate memory organization and memory management policies.
	PO2	1	Slightly the student will analyze complex engineering problems in memory Management in OS.
	PO3	2	Moderately Design solutions for complex Memory management policies.
	PO4	1	Slightly the student will implement methods including design of different memory management algorithms ,analyze complex engineering problems in memory Management in OS.
	PO12	1	Slightly the student will recognize the need for memory management techniques in OS .
	PSO1	1	Slightly the student will analyze & demonstrate different memory management algorithms.

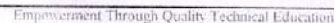
Prof. Pallavi Shimpi
Subject Teacher



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Dr. Pankaj Agarkar
HOD

Head of the Department
Department of Computer Engineering,
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Charnoli Bk Pune 412105



Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune - 412 105
Website: <https://dypse.in/>
Department of Computer Engineering

Academic Year: 2019-20

Subject: Systems Programming and Operating System(SP & OS)

Name of Subject Teacher: Prof. Pallavi Shimpi

Semester II

[illegible]

Prof. Pallavi shimp
Subject Teacher

Dr. Pankaj Agarkar
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
A/2 Lonedoon Chaudhari Bk Pune 412105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune - 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Exit Survey [Indirect Assessment]

Form No. IQAC/36

Academic Year: 2019-20

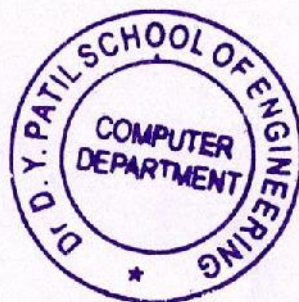
Subject: Machine Learning

Semester: II

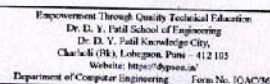
Class: M.E

Name of Subject Teacher: Prof. Sunil D. Rathod

Roll No.	Name of student	CO-1	CO-2	CO-3	CO-4	CO-5	CO-6
1	Mr. Sitnashu Kumar	3	3	3	3	3	3
2	Ms. Ashwini Ghanwat	3	3	3	3	3	3
3	Mr. Prashant Kamble	3	3	3	3	3	3
	%	0.00	0.00	0.00	0.00	0.00	0.00
	Course Outcome-->	CO1	CO2	CO3	CO4	CO5	CO6



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

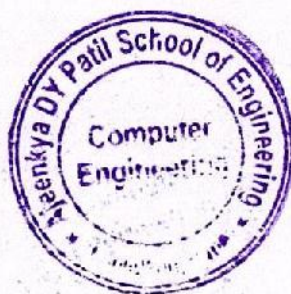
[illegible]

Signature
Subject Teacher
Mrs. Anita Mahajan

Signature
Head of Department
Dr. Pankaj Agarkar


HOD

Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

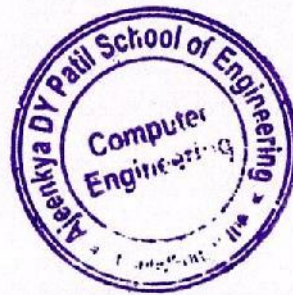


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



		Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Charholi (B), Lohegaon, Pune - 412 105 Website: https://dyson.in/ Department of Computer Engineering Form No. IQAC/06																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Sr. No.	Class (Div.) & Subject	CO No.	CO Attainment	PO1 Attainment	PO2 Attainment	PO3 Attainment	PO4 Attainment	PO5 Attainment	PO6 Attainment	PO7 Attainment	PO8 Attainment	PO9 Attainment	PO10 Attainment	PO11 Attainment	PO12 Attainment	PO13 Attainment	PO14 Attainment	PO15 Attainment	PO16 Attainment	PO17 Attainment	PO18 Attainment	PO19 Attainment	PO20 Attainment	PO21 Attainment	PO22 Attainment	PO23 Attainment	PO24 Attainment	PO25 Attainment	PO26 Attainment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	M.E. - Machine Learning	CO-1	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		CO-2	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		CO-3	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		CO-4	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		CO-5	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		CO-6	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		Avg. Attainment of PO-1			Avg. Attainment of PO-2			Avg. Attainment of PO-3			Avg. Attainment of PO-4			Avg. Attainment of PO-5			Avg. Attainment of PO-6			Avg. Attainment of PO-7			Avg. Attainment of PO-8			Avg. Attainment of PO-9			Avg. Attainment of PO-10			Avg. Attainment of PO-11			Avg. Attainment of PO-12			Avg. Attainment of PO-13			Avg. Attainment of PO-14			Avg. Attainment of PO-15			Avg. Attainment of PO-16			Avg. Attainment of PO-17			Avg. Attainment of PO-18			Avg. Attainment of PO-19			Avg. Attainment of PO-20			Avg. Attainment of PO-21			Avg. Attainment of PO-22			Avg. Attainment of PO-23			Avg. Attainment of PO-24			Avg. Attainment of PO-25			Avg. Attainment of PO-26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		3.00			3.00			3.00			3.00			2.50			2.50			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00			3.00

Signature
Subject Teacher
Mrs. Anita Mahajan



Signature
Head of Department
Dr. Pankaj Agarwal

HOD
Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Signature

Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune





"Empowerment through quality technical education"
AJEENKYA D Y PATIL SCHOOL OF ENGINEERING
 Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
 Department of E&TC Engineering

Mapping of CO-PO through activities

Name of Subject Teacher: Prof. Swati Khawate

AY: 2019-20

Semester: I

Subject: RMT

Class: BE

CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3		1			2	3				1	2
CO2	3	2				1	2		\$1			1
CO3	3	3	1	2				\$3				
CO4	3	2	2		1	1	2					1
CO5	2											2
CO6	3		2	1		1	1					1

Note: List of activities to carried out to map the PO's

Sr. No.	Activity	PO	Justification
1	Video lecture on Radiation and Microwave Theory	PO-8, PO-9	Activity based mapping

Swati Khawate

Prof. Swati Khawate

Subject Teacher

S. M. Koli

Dr. S. M. Koli

HoD

Head

Department of E&TC Engg.
 Dr. D. Y. Patil School of Engg.
 Charholi (Bk), Via Lohegaon, Pune



A


Principal

Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



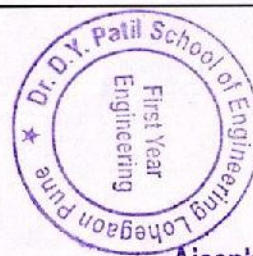
Academic Year : 2018-2019

Sem-I, AY 2018-19

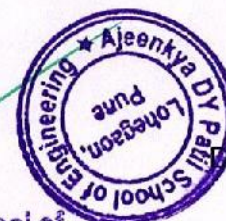
		<p align="center">Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105 Website: https://dypsoe.in/ Department of First Year Engineering</p>	
		Course Outcomes (COs):	Form No. IQAC/36
Academic Year.: 2018-19 Subject: Engineering Mathematics - I Name of Subject Teacher: Mr. Rahulkumar D Katkade		Class: FE	Semester: I Div: E
CO No.	BT level	Students will be able to	
CO-1	4-Analyze	Mean value theorems and its generalizations leading to Taylors and Maclaurin's series useful in the analysis of engineering problems.	
CO-2	4-Analyze	The Fourier series representation and harmonic analysis for design and analysis of periodic continuous and discrete systems.	
CO-3	3-Apply	To deal with derivative of functions of several variables that are essential in various branches of Engineering.	
CO-4	3-Apply	To apply the concept of Jacobian to find partial derivative of implicit function and functional dependence. Use of partial derivatives in estimating error and approximation and finding extreme values of the function	
CO-5	4-Analyze	The essential tool of matrices and linear algebra in a comprehensive manner for analysis of system of linear equations, finding linear and orthogonal transformation.	
CO-6	3-Apply	Eigen values and Eigen vectors applicable to engineering problems.	

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Subject teacher
Mr. R D Katkade



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



HoD
Dr. S.M.Khairnar



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
 Website: <https://dypsoe.in/>

Dr. D.

Department

of First Year Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Semester: I

Subject: Engineering Mathematics - I

Class: FE Div: E

Name of Subject Teacher: Mr. Rahulkumar D Katkade

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	1													
CO-2	4-Analyze	2	1													
CO-3	3-Apply	2	1													
CO-4	3-Apply	2	1													
CO-5	4-Analyze	2	1													
CO-6	3-Apply	2	1													
Average		2.00	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Rounded off		2	1													

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation

Subject teacher
Mr. R D Katkade



Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



HoD
M. Khaimar



Empowerment Through Quality Technical Education
School of Engineering
Chambol (Bk), Lohegaon, Pune - 412 105

Department of First Year Engineering

Dr. D. Y. Patil
Dr. D. Y. Patil Knowledge City,
Website: <https://dyptechno.edu/>

CO-PO-PSO Attainment

Form No. IQAC/24

Academic Year: 2018-19

Subject: Engineering Mathematics - I

Name of Subject Teacher: Mr. Rahul Kumar D. Kulkade

Semester: I

Class: FE Div: E

Name of Subject Teacher: Mr. Rahul Kumar D Katiade															Class: PEs												Sem: II																													
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (30%)					Direct Assessment (External) (70%) University Exams					Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment																																							
			Unit Test (20%)			CA (10%)		Subject Result (60%)		PR/OR/TW (10%)			Mapping of (70% Internal tests+10% Continuous Assessment +40% Univ. results (IDA)= 10% Univ. oral result	Course Exit Survey	Mapping	Weightage (80% DA+ 20% IDA)	PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PSO1	Attain ment	PSO2	Attain ment	PSO3	Attain ment										
			Summative Test	UT1	UT2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR/ OR/ TW	Mapping					PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PSO1	Attain ment	PSO2	Attain ment	PSO3	Attain ment										
CO-1	The effective mathematical tools for solutions of first order differential equations.	4-Analyze	73.48			3.0	77.56	3	57.37	2.0	100.00	3.0	2.40	78.24	3.0	2.52	2	2	1	1																																				
CO-2	The model physical processes such as Newton's law of cooling, electrical circuit, rectilinear motion, mass spring systems, heat transfer etc.	2-Understand		64.91		3.0	77.56	3	57.37	2.0	100.00	3.0	2.4	71.43	3.0	2.52	2	2	2	2																																				
CO-3	Advanced integration techniques such as Reduction formulae, Beta functions, Gamma functions, Differentiation under integral sign and Error functions needed in evaluating multiple integrals and their applications.	3-Apply		62.26		3.0	77.56	3	57.37	2.0	100.00	3.0	2.4	79.91	3.0	2.52	2	2	1	1																																				
CO-4	To trace the curve for a given equation and measure arc length of various curves.	4-Analyze			94.43	3.0	77.56	3	57.37	2.0	100.00	3.0	2.4	64.67	3.0	2.52	2	2	1	1																																				
CO-5	The concepts of solid geometry using equations of sphere, cone and cylinder in a comprehensive manner.	4-Analyze			87.50	3.0	77.56	3	57.37	2.0	100.00	3.0	2.4	76.83	3.0	2.52	2	2	1	1																																				
CO-6	Evaluation of multiple integrals and its application to find area bounded by curves, volume bounded by surfaces, Centre of gravity and Moment of inertia.	3-Apply			100.00	3.0	77.56	3	57.37	2.0	100.00	3.0	2.4	76.79	3.0	2.52	2	2	2	2																																				
Mapping Criteria ->			Marks >=60: Level 3					Marks >=50: Level 2					Marks >=40: Level 1																																											

Subject Teacher
Mr. Rahul Kumar D. Kulkade



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



HoD
Dr. S.M. Khairnar



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2018-2019

Subject: Computer Network

Class: TE

Semester: I

Div: A

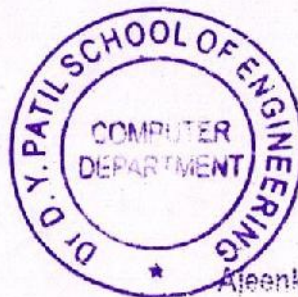
Name of Subject Teacher: Prof.Amruta Chitari

CO No.	BT level	Students will be able to
CO-1	4-Analyze	Analyze the requirements for a given organizational structure to select the most appropriate networking architecture, topologies, transmission mediums, and technologies
CO-2	3-Apply	Demonstrate design issues, flow control and error control
CO-3	4-Analyze	Analyze data flow between TCP/IP model using Application, Transport and Network Layer Protocols.
CO-4	2-Understand	Illustrate applications of Computer Network capabilities, selection and usage for various sectors of user community.
CO-5	2-Understand	Illustrate Client-Server architectures and prototypes by the means of correct standards and technology.
CO-6	3-Apply	Demonstrate different routing and switching algorithms

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Amruta
Prof. Amruta Chitari
Subject teacher



[Signature]
Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

[Signature]
Dr. Soumitra Das
HOD

Head of the Department
Department of Computer Engineering,
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk Pune 412105



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Semester: I

Subject: Computer Network

Class: TE

Div: A

Name of Subject Teacher: Prof. Amruta Chitari

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	1		1	2	3	1		1			1	1	1		
CO-2	3-Apply		1		1	1		1			1			1		
CO-3	4-Analyze	3		2	1	2							1	1	1	
CO-4	2-Understand		2	1	2	1							1	1	1	
CO-5	2-Understand	1	3			1		1	1					1	2	
CO-6	3-Apply	1		2	1		1			1		1	1	1		
Average		1.50	2.00	1.50	1.40	1.60	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.33	-
Rounded off		2	2	2	2	2	1	1	1	1	1	1	1	1	2	

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Prof. Amruta Chitari
Subject teacher



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Dr. Soumitra Das
HOD
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk, Pune - 412105

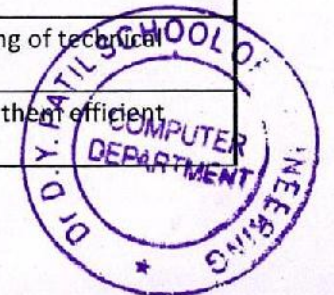


Justification for CO-PO Mapping.

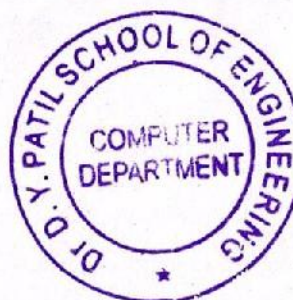
CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	1	Slightly having the Knowledge of the fundamental concepts of computer networks and its application that helps in solving complex engineering problems
	PO3	1	Slightly the student using the knowledge of computer architecture concepts, we can design and develop solutions for complex engineering problems
	PO4	2	Moderately having Knowledge of Computer network technologies can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	3	Strongly having the Knowledge of the fundamental concepts of Data Structures and its application that helps in solving complex engineering problems
	PO6	1	Slightly mapped as the students, can use different modern tools to modeling to complex engineering activities with an understanding of the limitations.
	PO8	1	Slightly the students, can understand the ethical principals of the using computer network devices in the engineering practice
	PO11	1	Slight knowledge & understanding of the protocol can be applied in multidisciplinary environment
	PO12	1	Slightly having the understanding for the need of CN and have the preparation and ability to life-long learning in the broadest context of technological change
	PSO1	1	Slightly the student will study of fundamental concepts of OSI layer to analyse and develop algorithms and implement them using high-level programming languages.
CO-2	PO2	1	Students having marginal Knowledge of the datalink layer that helps in identifying complex engineering problems & solution to it
	PO4	1	Slightly having Knowledge of flow control in data link layer can be used to conduct experiments in real life problems to provide valid conclusions
	PO5	1	Slightly the students having the knowledge about WAN connectivity & Ethernet standard to analyze complex engineering activities with an understanding of the limitations.
	PO7	1	Slightly the student can understand the use of MAC sublayer, flow control & error control in the societal and environment context.
	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficiently design of computer-based systems of varying.



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

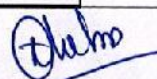


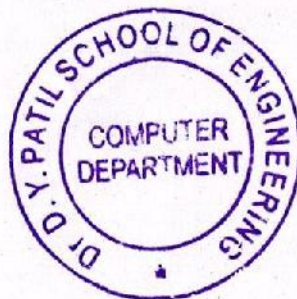
CO-3	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture , IP & routing algorithm
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Slightly having Knowledge students can apply the concept of IP and routing algorithm in networking applications.
	PO5	2	Slightly the students will study different tools used for routing to complex engineering activities can be used to conduct experiments in real life problems to provide valid conclusions
	PO12	1	Slightly the student will become aware of the need for subnetting and the continued upgrading of technical knowledge of IP addressing
	PSO1	1	Slightly the student will have ability to understand, analyze and develop subnetting in the area of computer network for efficient design of computer-based systems of varying.
	PSO2	1	Slightly student Knowledge of routing concepts contribute skills in computing and knowledge engineering domain
CO-4	PO2	3	Strongly having the Knowledge of the fundamental concepts of transport layer services that helps in solving complex engineering problems.
	PO3	1	Slightly the student having the Knowledge of client-server can design , develop, implement solutions for complex engineering problems.
	PO4	2	Moderately the knowledge of various tool of client -server architecture will help student to design and conduct experiments to provide valid conclusions
	PO5	1	Slightly the students will study different tools used to implement Client Server application using socket
	PO12	1	Moderately the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge in socket programming
	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of TCP in the area of computer network for efficient design .
	PSO2	1	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering domain of services of TCP & UDP in networking protocols.

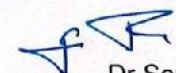


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

CO-5	PO1	1	Slightly mapped as students will be able to understand the principles of the application layer protocol HTTP,FTP,SMTP & DNS
	PO2	3	Strongly mapped as students will be able identify working principles of application layer protocols HTTP , FTP, SMTP,DNS
	PO5	1	Slightly the students will study different tools used to in application layer
	PO7	1	Slightly the student can understand the use of application layer tool in the societal and environment context.
	PO8	1	Slightly the students will apply secure application protocol to ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
	PSO1	1	Slightly the student will have ability to understand, analyze and develop protocol of Application layer in the area of computer network for efficient design .
	PSO2	2	Slightly student Knowledge of concepts contribute skills in computing and knowledge engineering ,principles of application layer protocols fro developing networking applications.
CO-6	PO1	1	Slightly student will be able to compare study of different cryptography algorithms that helps in involves solving complex engineering problems
	PO3	2	Moderately having Knowledge , students can identify the elments of Network security that can be used to conduct
	PO4	1	Slightly mapped as the students can apply the concepts of cryptography in learning advance Network security concepts can be used to design & conduct experiment to provide conclusion.
	PO6	1	Slightly student having knowledge of Security in Network, Transport and Application can be used to find solutions to common social problems
	PO9	1	Weakly Expertise in basics of information security , which will enable the student to become a productive member of a design team
	PO11	1	Slight knowledge & understanding of the concepts cryptographics & Authentication algorithm for real time application so that it can be applied in multidisciplinary environment
	PO12	1	Weakly the student will become aware of the need of network security , & having knowledge for lifelong learning and the continued upgrading of technical knowledge
	PSO1	1	Weakly students learns various approaches and acquire skills to design, analyse and implement data Network Security tools.


Prof. Amruta Chitari
Subject teacher




Dr. Soumitra Das
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
16, Connaught Churni Bldg. Pune - 412105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Academic Year: 2018-19
Subject: Computer Networks
Name of Subject Teacher: Prof. Amruta Chitambar

Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune - 412 105
Website: <https://dysoe.in/>
Department of Computer Engineering

Form No. IQAC/36

Schneider, J.

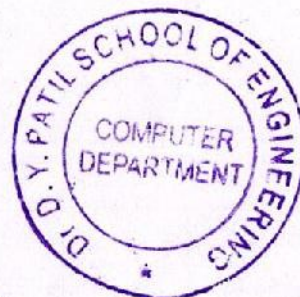
Class: TE Date: _____

CO-PO/PSO Attainment														Class TE		Dr. A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Academic Year: 2018-19 Subject: Computer Networks Name of Subject Teacher: Prof. Amrita Chitambar																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
CU No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) 50%						Direct Assessment (External) 10% University Exams				Direct Assessment (DA)	Indirect Assessment (DA)		CO Attainment	POs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			Unit Test 20%				CA (10%)		Subject Result (40%)		PO/PSO/PSA (10%)			Mapping of COs to Internal Tests (10%) Continuous Assessment (40%) University Exams (10%) Final test result	Course End Survey		Mapping	Weightage (80% DA + 20% DA)	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PO-13	PO-14	PO-15	PO-16	PO-17	PO-18	PO-19	PO-20	PO-21	PO-22	PO-23	PO-24	PO-25	PO-26	PO-27	PO-28	PO-29	PO-30	PO-31	PO-32	PO-33	PO-34	PO-35	PO-36	PO-37	PO-38	PO-39	PO-40	PO-41	PO-42	PO-43	PO-44	PO-45	PO-46	PO-47	PO-48	PO-49	PO-50	PO-51	PO-52	PO-53	PO-54	PO-55	PO-56	PO-57	PO-58	PO-59	PO-60	PO-61	PO-62	PO-63	PO-64	PO-65	PO-66	PO-67	PO-68	PO-69	PO-70	PO-71	PO-72	PO-73	PO-74	PO-75	PO-76	PO-77	PO-78	PO-79	PO-80	PO-81	PO-82	PO-83	PO-84	PO-85	PO-86	PO-87	PO-88	PO-89	PO-90	PO-91	PO-92	PO-93	PO-94	PO-95	PO-96	PO-97	PO-98	PO-99	PO-100	PO-101	PO-102	PO-103	PO-104	PO-105	PO-106	PO-107	PO-108	PO-109	PO-110	PO-111	PO-112	PO-113	PO-114	PO-115	PO-116	PO-117	PO-118	PO-119	PO-120	PO-121	PO-122	PO-123	PO-124	PO-125	PO-126	PO-127	PO-128	PO-129	PO-130	PO-131	PO-132	PO-133	PO-134	PO-135	PO-136	PO-137	PO-138	PO-139	PO-140	PO-141	PO-142	PO-143	PO-144	PO-145	PO-146	PO-147	PO-148	PO-149	PO-150	PO-151	PO-152	PO-153	PO-154	PO-155	PO-156	PO-157	PO-158	PO-159	PO-160	PO-161	PO-162	PO-163	PO-164	PO-165	PO-166	PO-167	PO-168	PO-169	PO-170	PO-171	PO-172	PO-173	PO-174	PO-175	PO-176	PO-177	PO-178	PO-179	PO-180	PO-181	PO-182	PO-183	PO-184	PO-185	PO-186	PO-187	PO-188	PO-189	PO-190	PO-191	PO-192	PO-193	PO-194	PO-195	PO-196	PO-197	PO-198	PO-199	PO-200	PO-201	PO-202	PO-203	PO-204	PO-205	PO-206	PO-207	PO-208	PO-209	PO-210	PO-211	PO-212	PO-213	PO-214	PO-215	PO-216	PO-217	PO-218	PO-219	PO-220	PO-221	PO-222	PO-223	PO-224	PO-225	PO-226	PO-227	PO-228	PO-229	PO-230	PO-231	PO-232	PO-233	PO-234	PO-235	PO-236	PO-237	PO-238	PO-239	PO-240	PO-241	PO-242	PO-243	PO-244	PO-245	PO-246	PO-247	PO-248	PO-249	PO-250	PO-251	PO-252	PO-253	PO-254	PO-255	PO-256	PO-257	PO-258	PO-259	PO-260	PO-261	PO-262	PO-263	PO-264	PO-265	PO-266	PO-267	PO-268	PO-269	PO-270	PO-271	PO-272	PO-273	PO-274	PO-275	PO-276	PO-277	PO-278	PO-279	PO-280	PO-281	PO-282	PO-283	PO-284	PO-285	PO-286	PO-287	PO-288	PO-289	PO-290	PO-291	PO-292	PO-293	PO-294	PO-295	PO-296	PO-297	PO-298	PO-299	PO-300	PO-301	PO-302	PO-303	PO-304	PO-305	PO-306	PO-307	PO-308	PO-309	PO-310	PO-311	PO-312	PO-313	PO-314	PO-315	PO-316	PO-317	PO-318	PO-319	PO-320	PO-321	PO-322	PO-323	PO-324	PO-325	PO-326	PO-327	PO-328	PO-329	PO-330	PO-331	PO-332	PO-333	PO-334	PO-335	PO-336	PO-337	PO-338	PO-339	PO-340	PO-341	PO-342	PO-343	PO-344	PO-345	PO-346	PO-347	PO-348	PO-349	PO-350	PO-351	PO-352	PO-353	PO-354	PO-355	PO-356	PO-357	PO-358	PO-359	PO-360	PO-361	PO-362	PO-363	PO-364	PO-365	PO-366	PO-367	PO-368	PO-369	PO-370	PO-371	PO-372	PO-373	PO-374	PO-375	PO-376	PO-377	PO-378	PO-379	PO-380	PO-381	PO-382	PO-383	PO-384	PO-385	PO-386	PO-387	PO-388	PO-389	PO-390	PO-391	PO-392	PO-393	PO-394	PO-395	PO-396	PO-397	PO-398	PO-399	PO-400	PO-401	PO-402	PO-403	PO-404	PO-405	PO-406	PO-407	PO-408	PO-409	PO-410	PO-411	PO-412	PO-413	PO-414	PO-415	PO-416	PO-417	PO-418	PO-419	PO-420	PO-421	PO-422	PO-423	PO-424	PO-425	PO-426	PO-427	PO-428	PO-429	PO-430	PO-431	PO-432	PO-433	PO-434	PO-435	PO-436	PO-437	PO-438	PO-439	PO-440	PO-441	PO-442	PO-443	PO-444	PO-445	PO-446	PO-447	PO-448	PO-449	PO-450	PO-451	PO-452	PO-453	PO-454	PO-455	PO-456	PO-457	PO-458	PO-459	PO-460	PO-461	PO-462	PO-463	PO-464	PO-465	PO-466	PO-467	PO-468	PO-469	PO-470	PO-471	PO-472	PO-473	PO-474	PO-475	PO-476	PO-477	PO-478	PO-479	PO-480	PO-481	PO-482	PO-483	PO-484	PO-485	PO-486	PO-487	PO-488	PO-489	PO-490	PO-491	PO-492	PO-493	PO-494	PO-495	PO-496	PO-497	PO-498	PO-499	PO-500	PO-501	PO-502	PO-503	PO-504	PO-505	PO-506	PO-507	PO-508	PO-509	PO-510	PO-511	PO-512	PO-513	PO-514	PO-515	PO-516	PO-517	PO-518	PO-519	PO-520	PO-521	PO-522	PO-523	PO-524	PO-525	PO-526	PO-527	PO-528	PO-529	PO-530	PO-531	PO-532	PO-533	PO-534	PO-535	PO-536	PO-537	PO-538	PO-539	PO-540	PO-541	PO-542	PO-543	PO-544	PO-545	PO-546	PO-547	PO-548	PO-549	PO-550	PO-551	PO-552	PO-553	PO-554	PO-555	PO-556	PO-557	PO-558	PO-559	PO-560	PO-561	PO-562	PO-563	PO-564	PO-565	PO-566	PO-567	PO-568	PO-569	PO-570	PO-571	PO-572	PO-573	PO-574	PO-575	PO-576	PO-577	PO-578	PO-579	PO-580	PO-581	PO-582	PO-583	PO-584	PO-585	PO-586	PO-587	PO-588	PO-589	PO-590	PO-591	PO-592	PO-593	PO-594	PO-595	PO-596	PO-597	PO-598	PO-599	PO-600	PO-601	PO-602	PO-603	PO-604	PO-605	PO-606	PO-607	PO-608	PO-609	PO-610	PO-611	PO-612	PO-613	PO-614	PO-615	PO-616	PO-617	PO-618	PO-619	PO-620	PO-621	PO-622	PO-623	PO-624	PO-625	PO-626	PO-627	PO-628	PO-629	PO-630	PO-631	PO-632	PO-633	PO-634	PO-635	PO-636	PO-637	PO-638	PO-639	PO-640	PO-641	PO-642	PO-643	PO-644	PO-645	PO-646	PO-647	PO-648	PO-649	PO-650	PO-651	PO-652	PO-653	PO-654	PO-655	PO-656	PO-657	PO-658	PO-659	PO-660	PO-661	PO-662	PO-663	PO-664	PO-665	PO-666	PO-667	PO-668	PO-669	PO-670	PO-671	PO-672	PO-673	PO-674	PO-675	PO-676	PO-677	PO-678	PO-679	PO-680	PO-681	PO-682	PO-683	PO-684	PO-685	PO-686	PO-687	PO-688	PO-689	PO-690	PO-691	PO-692	PO-693	PO-694	PO-695	PO-696	PO-697	PO-698	PO-699	PO-700	PO-701	PO-702	PO-703	PO-704	PO-705	PO-706	PO-707	PO-708	PO-709	PO-710	PO-711	PO-712	PO-713	PO-714	PO-715	PO-716	PO-717	PO-718	PO-719	PO-720	PO-721	PO-722	PO-723	PO-724	PO-725	PO-726	PO-727	PO-728	PO-729	PO-730	PO-731	PO-732	PO-733	PO-734	PO-735	PO-736	PO-737	PO-738	PO-739	PO-740	PO-741	PO-742	PO-743	PO-744	PO-745	PO-746	PO-747	PO-748	PO-749	PO-750	PO-751	PO-752	PO-753	PO-754	PO-755	PO-756	PO-757	PO-758	PO-759	PO-760	PO-761	PO-762	PO-763	PO-764	PO-765	PO-766	PO-767	PO-768	PO-769	PO-770	PO-771	PO-772	PO-773	PO-774	PO-775	PO-776	PO-777	PO-778	PO-779	PO-780	PO-781	PO-782	PO-783	PO-784	PO-785	PO-786	PO-787	PO-788	PO-789	PO-790	PO-791	PO-792	PO-793	PO-794	PO-795	PO-796	PO-797	PO-798	PO-799	PO-800	PO-801	PO-802	PO-803	PO-804	PO-805	PO-806	PO-807	PO-808	PO-809	PO-810	PO-811	PO-812	PO-813	PO-814	PO-815	PO-816	PO-817	PO-818	PO-819	PO-820	PO-821	PO-822	PO-823	PO-824	PO-825	PO-826	PO-827	PO-828	PO-829	PO-830	PO-831	PO-832	PO-833	PO-834	PO-835	PO-836	PO-837	PO-838	PO-839	PO-840	PO-841	PO-842	PO-843	PO-844	PO-845	PO-846	PO-847	PO-848	PO-849	PO-850	PO-851	PO-852	PO-853	PO-854	PO-855	PO-856	PO-857	PO-858	PO-859	PO-860	PO-861	PO-862	PO-863	PO-864	PO-865	PO-866	PO-867	PO-868	PO-869	PO-870	PO-871	PO-872	PO-873	PO-874	PO-875	PO-876	PO-877	PO-878	PO-879	PO-880	PO-881	PO-882	PO-883	PO-884	PO-885	PO-886	PO-887	PO-888	PO-889	PO-890	PO-891	PO-892	PO-893	PO-894	PO-895	PO-896	PO-897	PO-898	PO-899	PO-900	PO-901	PO-902	PO-903	PO-904	PO-905	PO-906	PO-907	PO-908	PO-909	PO-910	PO-911	PO-912	PO-913	PO-914	PO-915	PO-916	PO-917	PO-918	PO-919	PO-920	PO-921	PO-922	PO-923	PO-924	PO-925	PO-926	PO-927	PO-928	PO-929	PO-930	PO-931	PO-932	PO-933

Prof. Amanda Cristin
Subject teacher

Dr. Seemanta Das
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
A/2 Lohodada, Channoli Bk Pune 412105



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City,
Chandole (Bk), Lohegaon, Pune - 412 105
Website: www.dypatilschools.edu
Department of Computer Engineering

C.O. PO PSO Attainment

Form No. IQAC/36

Semester I

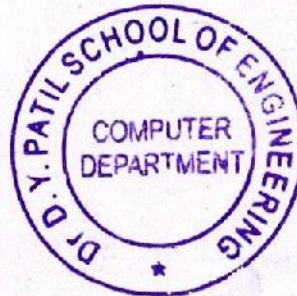
Academic Year: 2018-19

Subject: Computer Networks

Name of Subject Teacher: Prof. Anurita Chitambar

CO No.	Statement of C.O.s	Bloom's Taxonomy	Direct Assessment (Internal) 30%						Direct Assessment (External) 70%				Direct Assessment (DOA)		CO Attainment	Program Outcomes (POs)																															
			Direct Assessment (Internal) 30%						Direct Assessment (External) 70%				Direct Assessment (DOA)			Program Outcomes (POs)																															
			Unit Test	20%	40%	60%	80%	100%	Subject Exam (60%)	PROJECT/ CASE STUDY (40%)	Mapping of 100% Internal tests to 100% External Assessment (60% Unit exam result) (100% Unit exam result)	Mapping of 100% Internal tests to 100% External Assessment (40% Survey)	Mapping of 100% Internal tests to 100% External Assessment (40% Survey)	Weightage (30% DOA+ 20% DOA)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PO16	PO17	PO18	PO19	PO20	PO21	PO22	PO23	PO24									
CO-1	Analyse the requirements for a given organizational structure to select the most appropriate networking architecture, topologies, transmission media and protocols.	4-Analyse	60.00		3.0	4.63	0	57.14	2.0	94.20	3.0	2.10	87.50	3.0	2.28	1	1		1	1	2	2	3	3	1	1		1	1			1	1	1	1	1											
CO-2	Demonstrate design issues, flow control and error control.	3-Apply	96.67		3.0	4.63	0	57.14	2.0	94.20	3.0	2.1	100.00	3.0	2.28		1	1		1	1	1	1		1	1		1	1					1	1												
CO-3	Analyse data flow between TCP/IP model using Application, Transport and Network Layer Protocols.	4-Analyse	92.86		3.0	4.63	0	57.14	2.0	94.20	3.0	2.1	100.00	3.0	2.28	3	1		2	2	1	1	2	2										1	1	1	1										
CO-4	Illustrate applications of Computer Network capabilities, selection and usage for various sectors of user community.	2-Understand	96.43		3.0	4.63	0	57.14	2.0	94.20	3.0	2.1	100.00	3.0	2.28		2	2	1	1	2	2	1	1									1	1	1	1	1										
CO-5	Illustrate Client-Server architectures and prototypes by the means of correct standards and technology.	2-Understand		88.52	3.0	4.63	0	57.14	2.0	94.20	3.0	2.1	100.00	3.0	2.28	1	1	3	3					1	1		1	1	1						1	1	2	2									
CO-6	Demonstrate different routing and switching algorithms.	3-Apply		100.00	3.0	4.63	0	57.14	2.0	94.20	3.0	2.1	100.00	3.0	2.28	1	1		2	2	1	1			1	1							1	1	1	1	1										
Mapping Criteria ->																Avg. Attainment of PO-1	Avg. Attainment of PO-2	Avg. Attainment of PO-3	Avg. Attainment of PO-4	Avg. Attainment of PO-5	Avg. Attainment of PO-6	Avg. Attainment of PO-7	Avg. Attainment of PO-8	Avg. Attainment of PO-9	Avg. Attainment of PO-10	Avg. Attainment of PO-11	Avg. Attainment of PO-12	Avg. Attainment of PO-13	Avg. Attainment of PO-14	Avg. Attainment of PO-15	Avg. Attainment of PO-16	Avg. Attainment of PO-17	Avg. Attainment of PO-18	Avg. Attainment of PO-19	Avg. Attainment of PO-20	Avg. Attainment of PO-21	Avg. Attainment of PO-22	Avg. Attainment of PO-23	Avg. Attainment of PO-24								
																1.50	2.00	1.50	1.40	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60


Anurita Chitambar
Prof. Anurita Chitambar
Subject Teacher



Ajeenkya DY Patil School of Engineering
Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

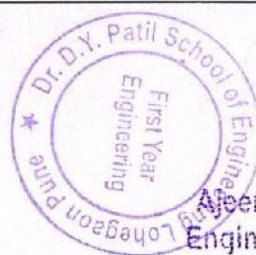
Dr. Soumitra Das
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Bhilai Technical Campus
Vidya Nagar, Bhopal Bk Pune 412105

Sem-II, AY 2018-19

		<p align="center">Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105 Website: https://dypsoe.in/ Department of First Year Engineering</p>	
		Course Outcomes (COs):	Form No. IQAC/36
Academic Year.: 2018-19 Subject: Engineering Mathematics - II Name of Subject Teacher: Mr. Rahulkumar D Katkade		Class: FE	Semester: II Div: E
CO No.	BT level	Students will be able to	
CO-1	4-Analyze	The effective mathematical tools for solutions of first order differential equations.	
CO-2	2-Understand	The model physical processes such as Newton's law of cooling, electrical circuit, rectilinear motion, mass spring systems, heat transfer etc	
CO-3	3-Apply	Advanced integration techniques such as Reduction formulae, Beta functions, Gamma functions, Differentiation under integral sign and Error functions needed in evaluating multiple integrals and their applications.	
CO-4	4-Analyze	To trace the curve for a given equation and measure arc length of various curves.	
CO-5	4-Analyze	The concepts of solid geometry using equations of sphere, cone and cylinder in a comprehensive manner.	
CO-6	3-Apply	Evaluation of multiple integrals and its application to find area bounded by curves, volume bounded by surfaces, Centre of gravity and Moment of inertia.	

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"

Subject teacher
Mr. R. D. Katkade



Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

HoD
Dr. S.M.Khairnar



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering

Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Dr. D.

Department

of First Year Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Subject: Engineering Mathematics - II

Semester: II

Class: FE Div: E

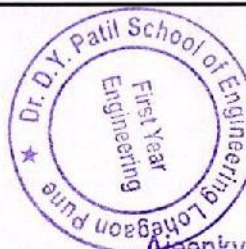
Name of Subject Teacher: Mr. Rahulkumar D Katkade

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	1													
CO-2	2-Understand	2	2													
CO-3	3-Apply	2	1													
CO-4	4-Analyze	2	1													
CO-5	4-Analyze	2	1													
CO-6	3-Apply	2	2													
Average		2.00	1.33	-	-	-	-	-	-	-	-	-	-	-	-	-
Rounded off		2	2													

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation



Subject teacher
 Mr. R. D. Katkade



Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

HoD
 Dr. S.M. Khairnar



Empowerment Through Quality Technical Education
School of Engineering
Charholi (SR), Lohegaon, Pune - 412 105

Department of First Year Engineering

Dr. D. Y. Patil
Dr. D. Y. Patil Knowledge City,
Website: <http://ajeev.in/>

CO-PO-PSO Attainment

Form No. IQAC/06

Academic Year: 2018-19

Subject: Engineering Mathematics - I

Name of Subject Teacher: Mr. Rahul Kumar Karkade

Semester: I


Name of Subject Teacher: Mr. Babubhaur Kulkade																	Class: EE				Div: E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (30%)					Direct Assessment (External) (70%) University Exams					Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment	PO1	Attain- ment	PO2	Attain- ment	PO3	Attain- ment	PO4	Attain- ment	PO5	Attain- ment	PO6	Attain- ment	PO7	Attain- ment	PO8	Attain- ment	PO9	Attain- ment	PO10	Attain- ment	PO11	Attain- ment	PO12	Attain- ment	PSO1	Attain- ment	PSO2	Attain- ment	PSO3	Attain- ment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Unit Test (20%)			CA (10%)		Subject Result (40%)		PR/OR/TW (10%)			Mapping of (20% Internal tests)+10% Continuous Assessment +40% Dis- result(TB)+ 10% Ede and result)	Course Edit Survey	Mapping	Weightage (80% DA+ 20% IDA)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			Summ- ative Test	UT1	UT2	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW	Mapping																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
CO-1	Mean value theorems and its generalizations leading to Taylor's and Maclaurin's series useful in the analysis of engineering problems.	4-Analyze	62.50			3.0	76.50	3	54.35	2.0	100.00	3.0	2.40	70.83	3.0	2.52	2	2	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Subject Teacher
Mr. Rahul Kumar D Karkade

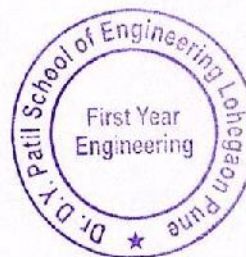


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

HoD
Dr. S.M. Khaimar

			<div>Empowerment Through Quality Technical Education</div> <div>Dr. D. Y. Patil School of Engineering</div> <div>Dr. D. Y. Patil Knowledge City, Chacholi (HK), Lohagaoan, Pune – 412 105</div> <div>Website: https://dypte.in/</div> <div>Department of First Year Engineering Form No. IQAC/36</div>																															
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment	
1	FE (E)	CO-1	2.52	2.00	2.00	1.00	1.00																											
		CO-2	2.52	2.00	2.00	1.00	1.00																											
		CO-3	2.52	2.00	2.00	1.00	1.00																											
		CO-4	2.52	2.00	2.00	1.00	1.00																											
		CO-5	2.52	2.00	2.00	1.00	1.00																											
		CO-6	2.52	2.00	2.00	1.00	1.00																											
					Avg. Attainment of PO-1		Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3	
					2.00		1.00																											

Subject Teacher
Mr. Rahu Kumar D Katkade



Dr. S.M. Khairnar



Principal
Ajeenkya DY Patil School of
Engineering, Lohagaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2018-2019

Subject: SPOS

Class: TE

Semester: II

Div: A

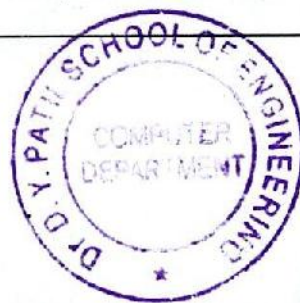
Name of Subject Teacher: Prof.Amruta Chitari

CO No.	BT level	Students will be able to
CO-1	4-Analyze	Analyze and synthesize system software
CO-2	2-Understand	Learn And understand tools like LEX & YACC.
CO-3	3-Apply	Implement operating system functions.
CO-4	2-Understand	To understand functions of operating system.
CO-5	2-Understand	To learn and understand process, resource and memory management.
CO-6	3-Apply	Demonstrate memory organization and memory management policies

In case if the syllabus doesn't contain 6 COs, the teacher can define CO. The CO must highlight "What the student will be able to do after completion of Unit"



Prof. Amruta Chitari
Subject Teacher



Dr. Pankaj Agarkar

HOD

Head of the Department

Department of Computer Engineering

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Technical Campus

Lohegaon, Charholi Bk, Pune 412105

Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Subject: SPOS

Semester: II

Name of Subject Teacher: Prof. Amruta Chitari

Class: TE

Div: A

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	2	2	2	1									3		
CO-2	2-Understand	2	2	1	2									2	2	1
CO-3	3-Apply	2	2	1	1									1		
CO-4	2-Understand	2	1	2	1								1	2	1	
CO-5	2-Understand	2	2	1	2								1	2	1	
CO-6	3-Apply	2	1	2	1								1	1		
Average		2.00	1.67	1.50	1.33	-	-	-	-	-	-	-	1.00	1.83	1.33	1.00
Soundness		2	2	2	2								1	2	2	1

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



Prof. Amruta Chitari
Subject Teacher



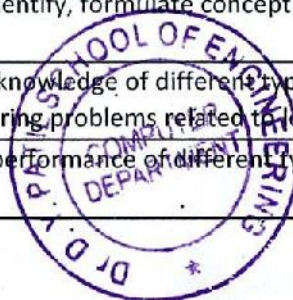
Dr. Pankaj Agarkar
HOD

Principal
Ajankya DY Patil School of
Engineering, Lohegaon, Pune

CO No.	PO/PSO	Level	Justification of Mapping
CO-1	PO1	2	Moderately having the knowledge of engineering fundamentals, and an engineering specialization for analyzing System Software and its functionality
	PO2	2	Students can moderately able to analyze System Software by recognizing the need for, and have the preparation and ability to engage in independent and life-long learning
	PO3	2	Students can moderately able to Design solutions for complex system software and design system components or processes
	PO4	1	Slightly the student able to understand, analyze and develop system software, web design.
	PSO1	3	Students can strongly able to analyze System Software by recognizing the need for developing computer programs.
CO-2	PO1	2	Moderately having the Knowledge of the fundamental concepts of Data Structures that helps in solving complex engineering problems.
	PO2	2	Moderately the student will know Principles of mathematics and engineering sciences are used in Design & Implement various System Software.
	PO3	1	Slightly the student using the knowledge of system software, we can design and implement solutions for problems in operating system.
	PO4	2	Moderately having Knowledge of analysis and interpretation of data to implement various software system.
	PSO1	2	Moderately the student will understand the algorithms for design and implement various system software.
	PSO2	2	Moderately the student can deliver good quality software by using various algorithms.
	PSO3	1	Slightly the student using the platform to build their carrier path to become entrepreneur.
CO-3	PO1	2	Moderately having the Knowledge of the different Loading Scheme and analyze the performance of linker and loader
	PO2	2	Moderately the student will Identify, formulate concept of loader and linker using various methods.
	PO3	1	Slightly the student using the knowledge of different types of linker and loader, we can design and develop solutions for complex engineering problems related to loader and linker.
	PO4	1	Slightly having Knowledge of performance of different types of loader.

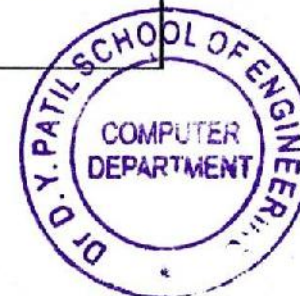


Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



	PSO1	1	students Slightly able to compare different algorithms related to system software.
CO-4	PO1	2	Moderately Implement process scheduling algorithm that helps in solving complex engineering problems related to operating system.
	PO2	1	Slightly the student will Identify the optimized methods for process scheduling.
	PO3	2	Moderately design and implement algorithms for processes scheduling ,Design solutions for complex scheduling problems.
	PO4	1	Slightly having Knowledge of design of scheduling experiments, analysis processes in operating system , and synthesis of the information to provide valid conclusions.
	PO12	1	Slightly the student will Recognize the need for scheduling in operating system.
	PSO1	2	Moderately design and implement algorithms needed to analyze the complex problems.
	PSO2	1	Slightly the student will Recognize the strategies & algorithms to find efficiency in operating system.
CO-5	PO1	2	Moderately having the Knowledge of the fundamental concepts of deadlock and concurrency issues that helps in solving complex problems.
	PO2	2	Moderately the student will analyze possible ways that generate the dealock situation in operating system.
	PO3	1	Slightly having the Knowledge to design different deadlock prevention , recovery methods.
	PO4	2	Moderately having the Knowledge analysis and implement of different deadlock prevention methods, and synthesis of the information to provide efficient results.
	PO12	1	Slightly the student will Recognize the need of deadlock , deadlock prevention , recovery methods.
	PSO1	2	Moderately the student will identifiyt possible mechanism to deal with dealock situation in operating system.
	PSO2	1	Slightly the student will apply the practices and strategies to remove the deadlock problems.


Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



CO-6	PO1	2	Moderately having the fundamental concept to Demonstrate memory organization and memory management policies.
	PO2	1	Slightly the student will analyze complex engineering problems in memory Management in OS.
	PO3	2	Moderately Design solutions for complex Memory management policies.
	PO4	1	Slightly the student will implement methods including design of different memory management algorithms ,analyze complex engineering problems in memory Management in OS.
	PO12	1	Slightly the student will recognize the need for memory management techniques in OS .
	PSO1	1	Slightly the student will analyze & demonstrate different memory management algorithms.

Prof. Amruta Chitari
Subject Teacher




Dr. Pankaj Agarkar
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Charnoli Bk Pune 412105



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune - 412 105
Website: <https://dypsoe.in/>
Department of Computer Engineering

CO-PO-PSO Attachment

Form No. IQACQ6

Academic Year: 2018-19

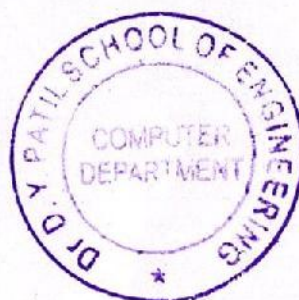
Subject: SPOS

Name of Subject Teacher: Prof. Amruta Chitani

Semester: II

Name of Subject Teacher: Prof. Amrutha Kulkarni																Class: ECE		Sem: IV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (30 %)						Direct Assessment (External) (70%) University Exams				Direct Assessment (DS)		Indirect Assessment (IOA)		CO Attainment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			Unit Test		20%		CA (10%)		Subject Result (40%)		PROJECT (10%)		Mapping of 62% Internal Index (35% Continuous Assessment + 68% University result) (The 10% External result)	Course Exit Survey	Mapping	Weightage (92% DS+ 8% IOA) 20% (IOA)		PO1	Attain ment	PO2	Attain ment	PO3	Attain ment	PO4	Attain ment	PO5	Attain ment	PO6	Attain ment	PO7	Attain ment	PO8	Attain ment	PO9	Attain ment	PO10	Attain ment	PO11	Attain ment	PO12	Attain ment	PO13	Attain ment	PO14	Attain ment	PO15	Attain ment	PO16	Attain ment	PO17	Attain ment	PO18	Attain ment	PO19	Attain ment	PO20	Attain ment	PO21	Attain ment	PO22	Attain ment	PO23	Attain ment	PO24	Attain ment																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			U1	U2	Assign	Mapping	CA	Mapping	% result of 1st/2nd	Mapping	% Result of PU/ OUE/ TW	Mapping																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

Prof. Amruta Chitani
Subject Teacher



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

Dr. Pankaj Agarwal
HOD

Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Charholi Bk Pune 412105



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,
Charholi (Bk), Lohegaon, Pune – 412 105

Website: <https://dypsoe.in/>

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2018-19

Subject: Machine Learning

Semester: II

Class: M.E.

Name of Subject Teacher: Dr. Pankaj Agarkar

CO No.	BT level	Students will be able to
CO-1	2-Understand	Understand various Machine Learning Concepts.
CO-2	3-Apply	Analyze and Apply Learning Theory.
CO-3	3-Apply	Analyze and Apply Geometric Models.
CO-4	3-Apply	Analyze and Apply Logical, Grouping And Grading Models.
CO-5	3-Apply	Analyze and Apply Probabilistic Models.
CO-6	1-Remember	Case Studies on Advanced Machine Learning Techniques

Subject Teacher
Dr. Pankaj Agarkar



Head of Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk Pune 412105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Empowerment Through Quality Technical Education
Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune - 412 105
 Website: <https://dypsoe.in/>
Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Subject: Machine Learning

Name of Subject Teacher: Dr. Pankaj Agarkar

Semester: II

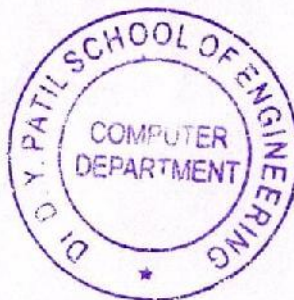
Class: M.E

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2-Understand	3	3	3		2	2									
CO-2	3-Apply	3	3	3		3	3									
CO-3	3-Apply	3	3	3		3	3									
CO-4	3-Apply	3	3	3		3	3									
CO-5	3-Apply	3	3	3		3	3									
CO-6	1-Remember	3	3	3		1	1									
Average		3.00	3.00	3.00	-	2.50	2.50	-	-	-	-	-	-	-	-	-
Rounded off		3	3	3		3	3									

(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation



Signature
 Subject Teacher
 Dr. Pankaj Agarkar



Signature
 Head of Department
Head of the Department
 Department of Computer Engineering
 Dr. D. Y. Patil School of Engineering
 Dr. D. Y. Patil Technical Campus
 Via Lohegaon, Charholi Bk, Pune - 412105

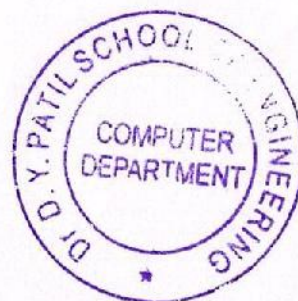
Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune


			Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Chorheli (Bk), Lohegaon, Pune - 412 105 Website: https://dyptse.in/ Department of Computer Engineering Form No. QAAC/36																															
Sr. No.	Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment	
1	ME - ML	CO-1	3.00	3.00	3.00	3.00	3.00	3.00	3.00			2.00	2.00	2.00	2.00																			
		CO-2	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00	3.00	3.00																			
		CO-3	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00	3.00	3.00																			
		CO-4	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00	3.00	3.00																			
		CO-5	3.00	3.00	3.00	3.00	3.00	3.00	3.00			3.00	3.00	3.00	3.00																			
		CO-6	3.00	3.00	3.00	3.00	3.00	3.00	3.00					1.00	1.00	1.00	1.00																	
			Avg. Attainment of PO-1		Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3			
			3.00		3.00		3.00				2.50		2.50																					

Signature
Subject Teacher
Dr. Pankaj Agarkar




Signature
Head of Department
Dr. Sumitra Das




Head of the Department,
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lohegaon Chordoli Bk Pune - 412105




Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Dr. D. Y. Patil Group of Institutions' Technical Campus
Dr. D. Y. PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
Department of E& TC Engineering

Form No. IQAC/23 (f)

Mapping of CO-PO through activities

Name of Subject Teacher : Dr. Sanjay Koli

Academic year : 2021-22

Semester : I

Subject : DIVP

Class : BE

Div : ---

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	2	2			1				1		
CO 2	3	2	2	1		1						1
CO 3	3	2	1	2	1	1						1
CO 4	3	2	2		1	1	2					1
CO 5	2	3	3									
CO 6	3		2	2								

Note – List of activities carried out to map PO's

Sr. No.	Activity	PO	Justification
01	Webinar on current trends in IP	08 & 09	Activity based Mapping

Subject Teacher

HOD

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Dr. D. Y. Patil Group of Institutions' Technical Campus
Dr. D. Y. PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 105.
Department of E& TC Engineering

Form No. IQAC/23 (f)

Date: 25/09/2021

Event Notice

Academic Year: 2021-22

Semester-I

Name of the event :- National Webinar on "Current Trends in Image Processing"

Date of the event : 26 Sept. 2021

Time: 1.00 p.m. Onward

Venue : Virtual Platform

All the students of BE E&TC Engineering are hereby informed to attend National Webinar on "Current Trends in Image Processing" on 26 sept. 2021 during the lecture slot. This webinar will help you to understand the current trends and Professional Skills & Ethics in the field of image processing.

Name and Sign of Coordinator: Dr. Sanjay Koli

HoD: Dr. S. M. Koli

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





Dr. D. Y. Patil Group of Institutions' Technical Campus
Dr. D. Y. PATIL SCHOOL OF ENGINEERING
 Dr. D. Y. Patil Knowledge City, Charholi Blk., Via. Lohegaon, Pune - 412 105.
 Department of E& TC Engineering

Form No. IQAC/23 (F)

Date: 27/09/2021

Event Report

Academic Year: 2021-22

Semester-I

Name of the event: National Webinar on "Current Trends in Image Processing"

Date and Time	26 th September 2021, 1.00 p.m.
Event Venue	Online MS Team Platform
Organized by	Dr. Sanjay Koli
Targeted Audience	All BE students of E&TC, DYP SOE
Resource Person	Dr. Basavraj Jagdale

Event Contents:

1. Introduction of Image processing, 2. Medical image processing, 3. Research on Thoracic Insufficiency Syndrome, 4. Career Opportunities in image processing

This webinar was shown to BE E&TC students during lecture to get the knowledge about current Trends in Image Processing and Career Options. This webinar was given by Dr Basavraj Jagdale and he has covered all above points. Total 43 students have attended the webinar.

Photos:



Name and Sign of Coordinator: Dr. S. M. Koli

Departmental Event Coordinator: Prof. Prajakta Khairnar

HoD: Dr. S. M. Koli

[Signature]

[Signature]

[Signature]

[Signature]



Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



Dr. D. Y. Patil Group of Institutions' Technical Campus
Dr. D. Y. PATIL SCHOOL OF ENGINEERING
 Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412105.
 Department of Civil Engineering

Mapping of CO-PO through activities

Name of Subject Teacher : Prof. Jitender Dalvi

Academic year : 2018-19 Semester : I

Subject : Strength of Material

Class : SE

Div : A

CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	2	1	2	2	1	1	1	1	1	1	1	1
CO 2	3	2	2	2	1	1	0	0	1	1	1	0
CO 3	3	2	2	2	1	1	0	0	1	1	1	0
CO 4	3	2	2	1	1	1	0	0	1	1	1	0
CO 5	3	1	2	2	1	1	0	0	1	1	1	0
CO 6	2	1	2	2	1	1	0	0	1	1	1	1

Sr. No .	Activity	PO	Justification
01	Guest lecture on Environment and sustainability	07	Environment and sustainability
02	Guest lecture on ethics	08	Ethics
03	Guest lecture on life-long learning	12	Life-long learning
04	Guest lecture on Individual and team work	09	Individual and team work

Subject Teacher

HOD

H.O.D.

Department of Civil Engineering
 Dr. D. Y. Patil School of Engg. Lohegaon

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

