



"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				
		2022-23	2021-22	2020-21	2019-20	2018-19
1	CO PO Mapping sheets UG & PG					
2	CO PO Attainment Sheet UG & PG					
3	Summary sheet of CO PO Attainment					



Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



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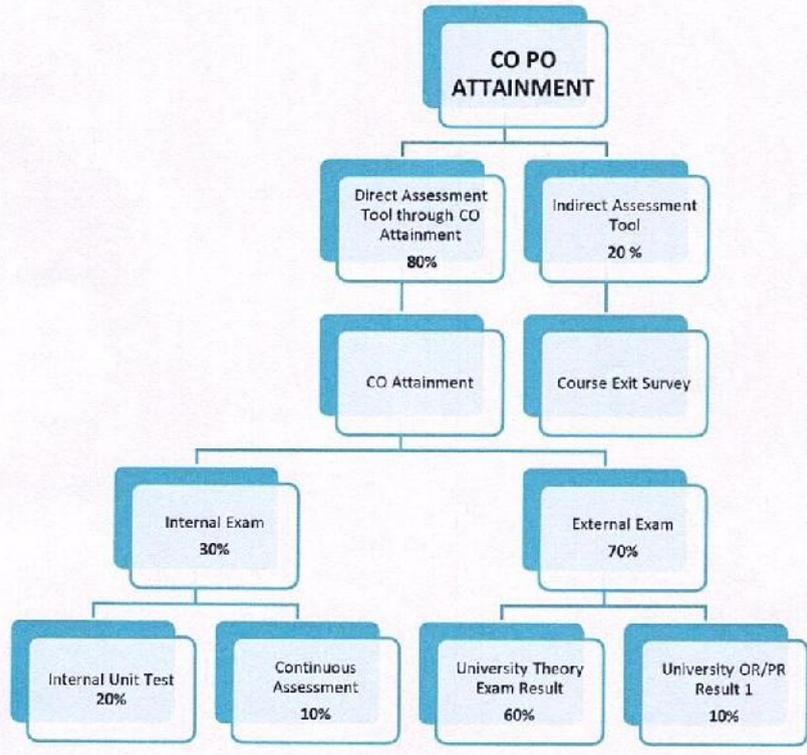
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INTERNAL ASSESSMENT PROCESS AND MECHANISM



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Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

Academic Year : 2022-2023

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

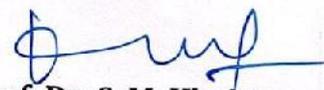
Class: FE

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"



Prof. Ashlesha C. Adsul
Subject Teacher

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



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Engineering, Lohegaon, Pune






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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

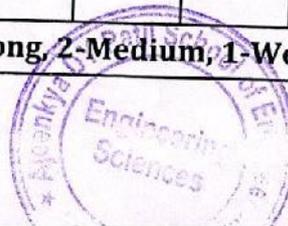
Div: F

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 Corellation)

Prof. Ashlesha C. Adsul
Subject Teacher



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Engineering, Lohegaon, Pune

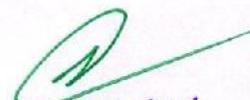
Prof. Dr. S. M. Khairnar
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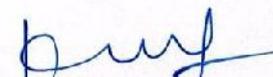
Justification for CO-PO Mapping.

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.


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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"

Prof.Thombare R.S.



HOD
mechanical Engg

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CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester: I

Subject: Heating Ventillation and air conditioning

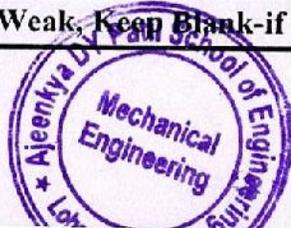
Class:BE

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		

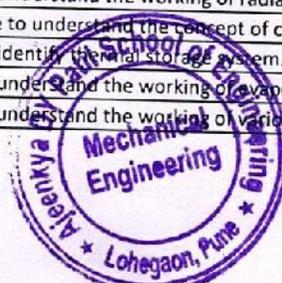
(Strength of Correlations: 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Corellation)



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 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 ventillation.
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 the cold storage system.
	PO12	2	Student will able to underst and the working of evaporative system.
PSO1	1	Student will able to understand the working of various dessicants.	



B
Prof. Thombare R.S.

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Mechanical Engg.

Academic Year: 2022-23

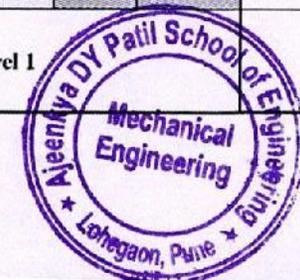
Subject: Heating Ventillation and air conditioning

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) Mapping of (20% Internal tests+10% Continous Assessment +60% Univ result(TI))+ 10% Univ oral result	Indirect Assessment (IDA)		CO Attainment Weightage (80% DA+ 20% IDA)	
			Unit Test (20%)					CA (10%)		Subject Result (60%)		PR/OR/TW (10%)		Course Exit Survey	Mapping		
			Summative Test	UT1	UT 2	UT 3	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW					Mapping
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														



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CO-PO-PSO Attainment

Form No. IQAC/36

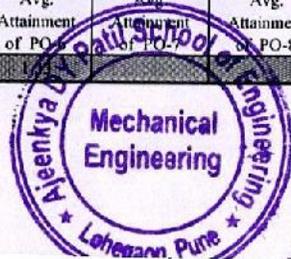
Semester: I

Class: BE

Div: I

Assessment A)	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
Mapping	Weightage (80% DA+ 20% IDA)																														
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					

Prof. Thorbaze R S



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Maharashtra, Pune

HOD
Mechanical Engg



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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

Semester: I

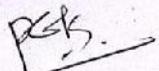
Name of Subject Teacher: Prof. Prashant Karajagi

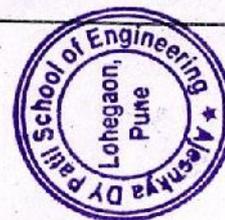
Class: TE

Div: D

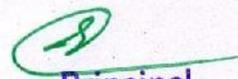
CO No.	BT level	Students will be able to
CO-1	3-Apply	SOLVE system of equations using direct and iterative numerical methods.
CO-2	3-Apply	ESTIMATE solutions for differential equations using numerical techniques.
CO-3	6-Create	DEVELOP solution for engineering applications with numerical integration.
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
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Department of Mechanical Engineering

CO-PO-PSO Mapping

Form No. IQAC/39

Academic Year: 2022-23

Semester: I

Subject: Numerical & Statistical Methods

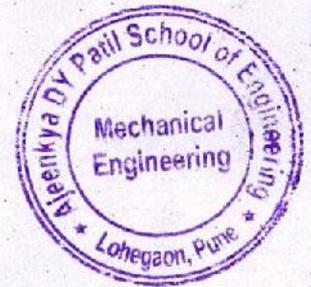
Class: TE

Div: D

Name of Subject Teacher: Prof. Prashant 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								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



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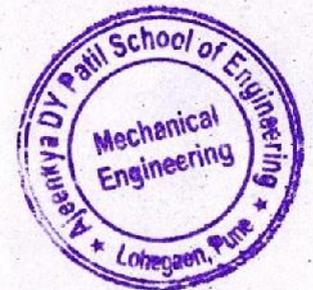
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Justification for CO-PO Mapping.

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.

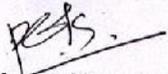


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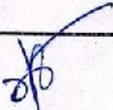
P.K.S.

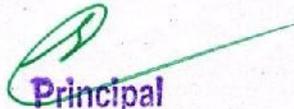


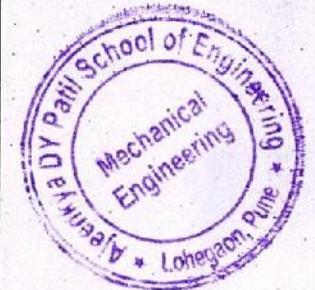
CO-4	PO1	3	Strongly students having the Knowledge of curve fit and regression analysis.
	PO2	3	Strongly students can formulate the engineering problems into curve fit and regression and solve it.
	PO3	2	moderately students will solve the engineering problems using numerical technique.
	PO5	2	moderately 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 equaitons 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 prbability.
	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									
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 Criteria →			Marks >=60: Level 3					Marks >=50: Level 2				Marks >=40: Level 1			Avg. Attainment of PO-1	Avg. Att of P				
															2.00	2				



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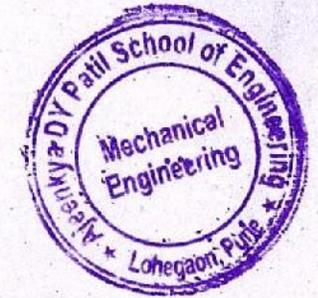
Attainment

Form No. IQAC/39

Semester: I

Class: TE (MECH) Div: D

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	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		
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													
00	1.33										1.50	1.25														



PGS

Head (Mech)

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 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

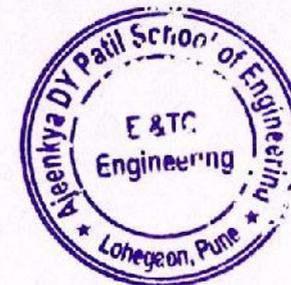
Form No. IQAC/39

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



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TE - Sem II
 NS - SMK

CO-PO-PSO Mapping Form No. IQAC/39

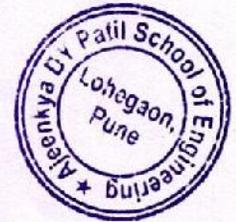
Academic Year: 2022-23 Semester: II
 Subject: Elective-II: Network Security Class: TE Div: A
 Name of Subject Teacher: Prof. Dr. Sanjay Koli

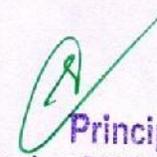
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	1-Remember	3	3											2		
CO-2	3-Apply	3	3	1	1	2	2								3	
CO-3	3-Apply	3	3	1	1	2	2								3	
CO-4	5-Evaluate	3	3		1	2	2								3	
CO-5	2-Understand	1	3												2	
CO-6	2-Understand	1	3												2	
Average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




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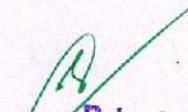

 Prof. Sanjay Koli

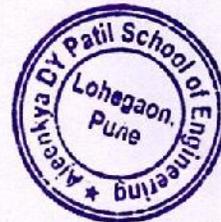
CO-4	PO4	1	Slightly the student will be able to design solutions for complex engineering problems that meets the specified needs with appropriate consideration for the public safety using the knowledge of different message authentication algorithms and Hash functions.
	PO5	2	Moderately the student will 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.



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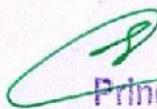
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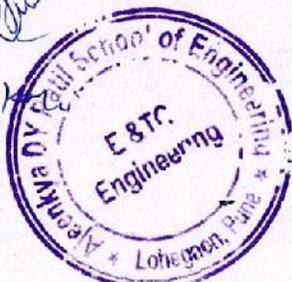
Lohegaon, Pune - 412 105.
Department of E&TC Engineering

IQAC Form No:39

Dr. D. Y. Patil Knowledge City, Chhatoli Bk., Vin

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	TE (A)-NS	CO-1	2.84	3.00	3.00	3.00	3.00																												
		CO-2	2.52	3.00	3.00	3.00	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00																				
		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																				
		CO-4	2.52	3.00	3.00	3.00	3.00					1.00	1.00	2.00	2.00																				
		CO-5	2.36	1.00	1.00	3.00	3.00																												
		CO-6	2.36	1.00	1.00	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 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							


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Prof. Sangay






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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 Computing

Semester:I

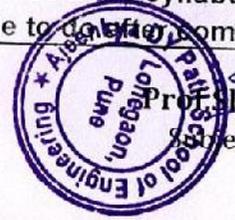
Name of Subject Teacher: Prof.Shirsath M.A

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
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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	-	-	-
Round d 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 Corellation



Prof. Shirsath M.A.
Prof.Shirsath M.A
Subject Teacher



Dr. Saniya Ansari
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
Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



Charholi (Bk), Lohegaon, Pune – 412 105

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Ajeenkya Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City,

<https://dypsoe.in/>

Website:

Department of E&TC Engineering

Course Outcomes (COs):

Academic Year.:2022-23

Subject:VLSI

Form No. IQAC/36

Name of Subject Teacher: Prof. Shital Patil

Class:BE

Semester: I

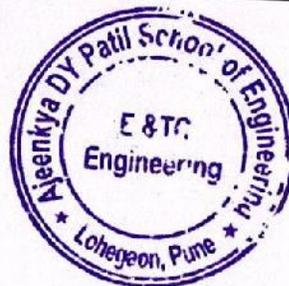
Div:A

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	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
Round 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



Prof. 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



Academic Year-2022-23
 Subject-VLSI
 Name of Subject Teacher/Skilled Part II

CO-PO PSO Attainment

Form No. E&TC/23

Semester I

CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (10%)						Direct Assessment (External) (70%)			Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment		Class III										Div A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			Unit Test (25%)			C/A (15%)			Subject Recall (20%)		PE, QO, TW (40%)	Mapping of COs Internal Assessment (40%)		Course Exit Survey	Mapping	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



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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

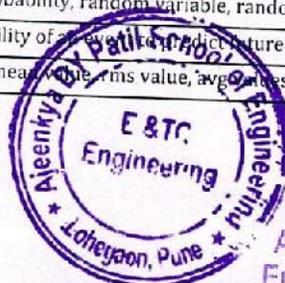
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2-Understand	3	2											2		
CO-2	3-Apply	3	2			1								1	1	
CO-3	4-Analyze	3	3			1								1	1	
CO-4	4-Analyze	3	3	2		2								1		
CO-5	3-Apply	3	2													
CO-6	2-Understand	2														
Average		2.83	2.40	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, 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
CO-5	PO5	2	Matlab, Scala, Virtual lab etc can be used for LT and ILT operations
	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, average value, CDF and PDF also
	PO1	2	Basic understanding of mean, variance, rms value, averages, std deviation etc.

Prof. Ashwini Bagde
Subject Teacher



Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

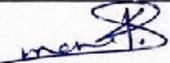
Dr. Saniya Ansari
HoD E&TC

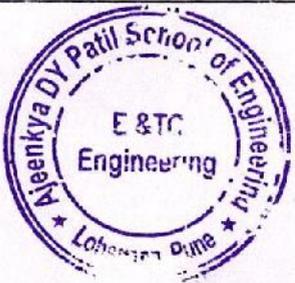


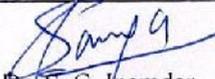
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Course Outcomes (COs):		Form No. IQAC/36
Academic Year.:2022-23		Semester:01
Subject: WSN		Class:ME- I
Name of Subject Teacher: Prof. Kalpita Mane		Div:
CO No.	BT level	Students will be able to
CO-1	2- Understand	To understand basic WSN Technology and its supporting Protocols
CO-2	3-Apply	To learn routing protocols and their design issues inWSN
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"


 Prof. Kalpita Mane
 Subject teacher




 Dr. S. C. Namdar
 HoD
HOD
E&TC Engineering
 Ajeenkya DY Patil School of Engineering
 Lohegaon, Pune


Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester:01

Subject: WSN

Class: ME-I Div:

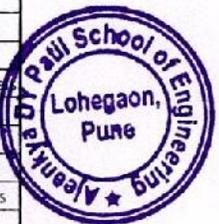
Name of Subject Teacher: Prof. Kalpita Mane

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

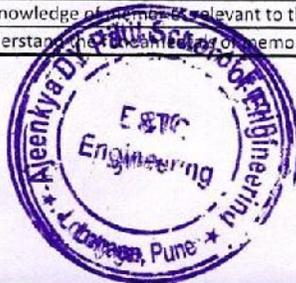
(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

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
CO-3	PSO1	1	Slightly Understand the fundamentals of designing electronics circuits for applications like digital systems
	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
CO-4	PO3	2	Slightly the student using the knowledge of digital system, can design and develop solutions for complex
	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
CO-5	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
	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
CO-6	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
	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
CO-6	PO5	1	Slightly students will apply knowledge of the concepts relevant to the professional engineering practice.
	PSO1	2	Moderately students will understand the characteristics of memories for applications of digital systems



Prof. Kalpita Mane



Dr. S.C. Inamdar

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



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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

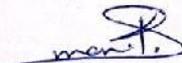
Name of Subject Teacher: Prof. Kalpita Mane

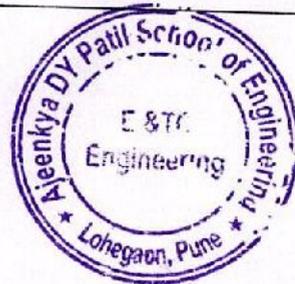
Class:ME- I

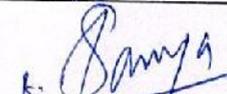
Div:

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
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 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

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
Round off			3	3	3	2	2	1	1						3	3	3

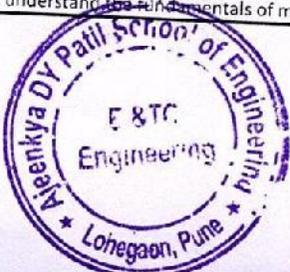
(Strength of Correlation): 3-Strong, 2-Medium, 1-Weak, Keep Blank-if No Correlation

Justification for CO-PO Mapping.

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	PO2	3	Strongly students apply the knowledge of PLA and PAL for design and development solutions for complex
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	PSO1	2	Moderately students will understand the fundamentals of memories for applications of digital systems



Prof. Kalpita Mane



Dr. S. Manjari

Principal

Ajeenkya DY Patil School of Engineering, Lohegaon, Pune



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 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

Semester:02

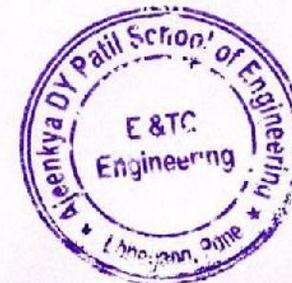
Class:ME-I

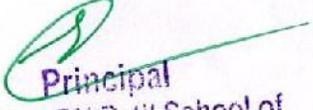
Div:

Name of Subject Teacher: Prof. Kalpita Mane

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"




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 Ajeenkya DY Patil School of
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 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



(Signature)
Principal
 Ajeenkya DY Patil School of
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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"



Prof. Prajkata Khairnar
 Prof. Prajkata Khairnar
 Subject Teacher



Dr. S. C. Inamdar
 Dr. S. C. Inamdar
 HoD

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



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 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

for

Prof. Prajkata Khairnar
Subject Teacher



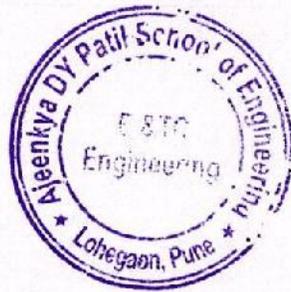
Sanyal
Dr. S. C. Sanyal
HoD

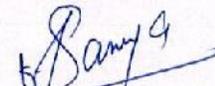
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Ajeenkya DY Patil School of Engineering

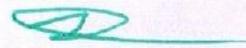


S.No.		Class (Div) & Subject	CO No.	CO Attainment	PO1	Attainment	PO2	Attainment	PO3	Attainment	PO4	Attainment	PO5	Attainment	PO6	Attainment	PO7	Attainment	PO8	Attainment	PO9	Attainment	PO10	Attainment	PO11	Attainment	PO12	Attainment	PSO1	Attainment	PSO2	Attainment	PSO3	Attainment														
1	ME (Reconfigurable Computing)	CO-1	2.40	3.00	1.00	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																														
		CO-2	2.40	2.00	2.00	2.00	2.00	2.00	2.00	2.00					1.00	1.00	1.00	1.00																														
		CO-3	1.32	3.00	2.00	2.00	2.00																																									
		CO-4	1.32																																													
		CO-5	2.40																																													
		CO-6	2.40																																													
				Avg. Attainment of PO-1	2.33		Avg. Attainment of PO-2	2.33		Avg. Attainment of PO-3	2.50		Avg. Attainment of PO-4	1.00		Avg. Attainment of PO-5	2.00		Avg. Attainment of PO-6	1.00		Avg. Attainment of PO-7	1.00		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	2.33		Avg. Attainment of PSO-2	2.33		Avg. Attainment of PSO-3	3.00	


 Prof. Pranjata Khairnar
 Subject Teacher




 Dr. S.T.C. Inamdar
 HoD


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Department of E&TC Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2022-23

Semester:

Subject: Embedded System Design

Class:ME- I

01

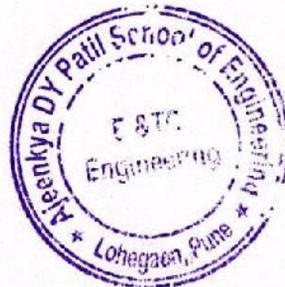
Div:

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

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 Department of E&TC Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester:01

Subject: Embedded System Design

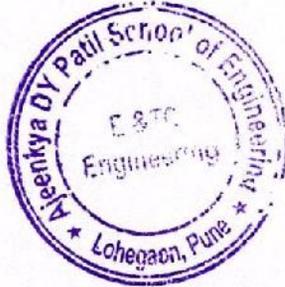
Class: ME-I Div:

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

Saniya
 Dr. Saniya Ansari
 Subject Teacher



Sharan Inamdar
 Dr. Sharan Inamdar
 HoD

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





Academic Year: 2022-23

Semester: I

Subject: Embedded System Design

Name of Subject Teacher: Dr. Nandya Anant

CO No.	Statement of COs	E-Index Taxonomy	Direct Assessment (Internal) (30%)						Direct Assessment (External) (70%) University Exams				Direct Assessment (DA)		Indirect Assessment (IDA)		CO Attainment	Class MB																				DPO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Unit Test			CA (10%)			Subject Exam (10%)		T/ORE/W (15%)		Mapping of (20% Internal index-10% Continuous Assessment +40% University Exams-10% University result)	Course Fee Survey	Mapping	Weightage (40% DA+20% IDA)		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PO14	PO15	PO16	PO17	PO18	PO19	PO20	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11	PSO12	PSO13	PSO14	PSO15	PSO16	PSO17	PSO18	PSO19	PSO20	PSO21	PSO22	PSO23	PSO24	PSO25	PSO26	PSO27	PSO28	PSO29	PSO30	PSO31	PSO32	PSO33	PSO34	PSO35	PSO36	PSO37	PSO38	PSO39	PSO40	PSO41	PSO42	PSO43	PSO44	PSO45	PSO46	PSO47	PSO48	PSO49	PSO50	PSO51	PSO52	PSO53	PSO54	PSO55	PSO56	PSO57	PSO58	PSO59	PSO60	PSO61	PSO62	PSO63	PSO64	PSO65	PSO66	PSO67	PSO68	PSO69	PSO70	PSO71	PSO72	PSO73	PSO74	PSO75	PSO76	PSO77	PSO78	PSO79	PSO80	PSO81	PSO82	PSO83	PSO84	PSO85	PSO86	PSO87	PSO88	PSO89	PSO90	PSO91	PSO92	PSO93	PSO94	PSO95	PSO96	PSO97	PSO98	PSO99	PSO100	PSO101	PSO102	PSO103	PSO104	PSO105	PSO106	PSO107	PSO108	PSO109	PSO110	PSO111	PSO112	PSO113	PSO114	PSO115	PSO116	PSO117	PSO118	PSO119	PSO120	PSO121	PSO122	PSO123	PSO124	PSO125	PSO126	PSO127	PSO128	PSO129	PSO130	PSO131	PSO132	PSO133	PSO134	PSO135	PSO136	PSO137	PSO138	PSO139	PSO140	PSO141	PSO142	PSO143	PSO144	PSO145	PSO146	PSO147	PSO148	PSO149	PSO150	PSO151	PSO152	PSO153	PSO154	PSO155	PSO156	PSO157	PSO158	PSO159	PSO160	PSO161	PSO162	PSO163	PSO164	PSO165	PSO166	PSO167	PSO168	PSO169	PSO170	PSO171	PSO172	PSO173	PSO174	PSO175	PSO176	PSO177	PSO178	PSO179	PSO180	PSO181	PSO182	PSO183	PSO184	PSO185	PSO186	PSO187	PSO188	PSO189	PSO190	PSO191	PSO192	PSO193	PSO194	PSO195	PSO196	PSO197	PSO198	PSO199	PSO200	PSO201	PSO202	PSO203	PSO204	PSO205	PSO206	PSO207	PSO208	PSO209	PSO210	PSO211	PSO212	PSO213	PSO214	PSO215	PSO216	PSO217	PSO218	PSO219	PSO220	PSO221	PSO222	PSO223	PSO224	PSO225	PSO226	PSO227	PSO228	PSO229	PSO230	PSO231	PSO232	PSO233	PSO234	PSO235	PSO236	PSO237	PSO238	PSO239	PSO240	PSO241	PSO242	PSO243	PSO244	PSO245	PSO246	PSO247	PSO248	PSO249	PSO250	PSO251	PSO252	PSO253	PSO254	PSO255	PSO256	PSO257	PSO258	PSO259	PSO260	PSO261	PSO262	PSO263	PSO264	PSO265	PSO266	PSO267	PSO268	PSO269	PSO270	PSO271	PSO272	PSO273	PSO274	PSO275	PSO276	PSO277	PSO278	PSO279	PSO280	PSO281	PSO282	PSO283	PSO284	PSO285	PSO286	PSO287	PSO288	PSO289	PSO290	PSO291	PSO292	PSO293	PSO294	PSO295	PSO296	PSO297	PSO298	PSO299	PSO300	PSO301	PSO302	PSO303	PSO304	PSO305	PSO306	PSO307	PSO308	PSO309	PSO310	PSO311	PSO312	PSO313	PSO314	PSO315	PSO316	PSO317	PSO318	PSO319	PSO320	PSO321	PSO322	PSO323	PSO324	PSO325	PSO326	PSO327	PSO328	PSO329	PSO330	PSO331	PSO332	PSO333	PSO334	PSO335	PSO336	PSO337	PSO338	PSO339	PSO340	PSO341	PSO342	PSO343	PSO344	PSO345	PSO346	PSO347	PSO348	PSO349	PSO350	PSO351	PSO352	PSO353	PSO354	PSO355	PSO356	PSO357	PSO358	PSO359	PSO360	PSO361	PSO362	PSO363	PSO364	PSO365	PSO366	PSO367	PSO368	PSO369	PSO370	PSO371	PSO372	PSO373	PSO374	PSO375	PSO376	PSO377	PSO378	PSO379	PSO380	PSO381	PSO382	PSO383	PSO384	PSO385	PSO386	PSO387	PSO388	PSO389	PSO390	PSO391	PSO392	PSO393	PSO394	PSO395	PSO396	PSO397	PSO398	PSO399	PSO400	PSO401	PSO402	PSO403	PSO404	PSO405	PSO406	PSO407	PSO408	PSO409	PSO410	PSO411	PSO412	PSO413	PSO414	PSO415	PSO416	PSO417	PSO418	PSO419	PSO420	PSO421	PSO422	PSO423	PSO424	PSO425	PSO426	PSO427	PSO428	PSO429	PSO430	PSO431	PSO432	PSO433	PSO434	PSO435	PSO436	PSO437	PSO438	PSO439	PSO440	PSO441	PSO442	PSO443	PSO444	PSO445	PSO446	PSO447	PSO448	PSO449	PSO450	PSO451	PSO452	PSO453	PSO454	PSO455	PSO456	PSO457	PSO458	PSO459	PSO460	PSO461	PSO462	PSO463	PSO464	PSO465	PSO466	PSO467	PSO468	PSO469	PSO470	PSO471	PSO472	PSO473	PSO474	PSO475	PSO476	PSO477	PSO478	PSO479	PSO480	PSO481	PSO482	PSO483	PSO484	PSO485	PSO486	PSO487	PSO488	PSO489	PSO490	PSO491	PSO492	PSO493	PSO494	PSO495	PSO496	PSO497	PSO498	PSO499	PSO500	PSO501	PSO502	PSO503	PSO504	PSO505	PSO506	PSO507	PSO508	PSO509	PSO510	PSO511	PSO512	PSO513	PSO514	PSO515	PSO516	PSO517	PSO518	PSO519	PSO520	PSO521	PSO522	PSO523	PSO524	PSO525	PSO526	PSO527	PSO528	PSO529	PSO530	PSO531	PSO532	PSO533	PSO534	PSO535	PSO536	PSO537	PSO538	PSO539	PSO540	PSO541	PSO542	PSO543	PSO544	PSO545	PSO546	PSO547	PSO548	PSO549	PSO550	PSO551	PSO552	PSO553	PSO554	PSO555	PSO556	PSO557	PSO558	PSO559	PSO560	PSO561	PSO562	PSO563	PSO564	PSO565	PSO566	PSO567	PSO568	PSO569	PSO570	PSO571	PSO572	PSO573	PSO574	PSO575	PSO576	PSO577	PSO578	PSO579	PSO580	PSO581	PSO582	PSO583	PSO584	PSO585	PSO586	PSO587	PSO588	PSO589	PSO590	PSO591	PSO592	PSO593	PSO594	PSO595	PSO596	PSO597	PSO598	PSO599	PSO600	PSO601	PSO602	PSO603	PSO604	PSO605	PSO606	PSO607	PSO608	PSO609	PSO610	PSO611	PSO612	PSO613	PSO614	PSO615	PSO616	PSO617	PSO618	PSO619	PSO620	PSO621	PSO622	PSO623	PSO624	PSO625	PSO626	PSO627	PSO628	PSO629	PSO630	PSO631	PSO632	PSO633	PSO634	PSO635	PSO636	PSO637	PSO638	PSO639	PSO640	PSO641	PSO642	PSO643	PSO644	PSO645	PSO646	PSO647	PSO648	PSO649	PSO650	PSO651	PSO652	PSO653	PSO654	PSO655	PSO656	PSO657	PSO658	PSO659	PSO660	PSO661	PSO662	PSO663	PSO664	PSO665	PSO666	PSO667	PSO668	PSO669	PSO670	PSO671	PSO672	PSO673	PSO674	PSO675	PSO676	PSO677	PSO678	PSO679	PSO680	PSO681	PSO682	PSO683	PSO684	PSO685	PSO686	PSO687	PSO688	PSO689	PSO690	PSO691	PSO692	PSO693	PSO694	PSO695	PSO696	PSO697	PSO698	PSO699	PSO700	PSO701	PSO702	PSO703	PSO704	PSO705	PSO706	PSO707	PSO708	PSO709	PSO710	PSO711	PSO712	PSO713	PSO714	PSO715	PSO716	PSO717	PSO718	PSO719	PSO720	PSO721	PSO722	PSO723	PSO724	PSO725	PSO726	PSO727	PSO728	PSO729	PSO730	PSO731	PSO732	PSO733	PSO734	PSO735	PSO736	PSO737	PSO738	PSO739	PSO740	PSO741	PSO742	PSO743	PSO744	PSO745	PSO746	PSO747	PSO748	PSO749	PSO750	PSO751	PSO752	PSO753	PSO754	PSO755	PSO756	PSO757	PSO758	PSO759	PSO760	PSO761	PSO762	PSO763	PSO764	PSO765	PSO766	PSO767	PSO768	PSO769	PSO770	PSO771	PSO772	PSO773	PSO774	PSO775	PSO776	PSO777	PSO778	PSO779	PSO780	PSO781	PSO782	PSO783	PSO784	PSO785	PSO786	PSO787	PSO788	PSO789	PSO790	PSO791	PSO792	PSO793	PSO794	PSO795	PSO796	PSO797	PSO798	PSO799	PSO800	PSO801	PSO802	PSO803	PSO804	PSO805	PSO806	PSO807	PSO808	PSO809	PSO810	PSO811	PSO812	PSO813	PSO814	PSO815	PSO816	PSO817	PSO818	PSO819	PSO820	PSO821	PSO822	PSO823	PSO824	PSO825	PSO826	PSO827	PSO828	PSO829	PSO830	PSO831	PSO832	PSO833	PSO834	PSO835	PSO836	PSO837	PSO838	PSO839	PSO840	PSO841	PSO842	PSO843	PSO844	PSO845	PSO846	PSO847	PSO848	PSO849	PSO850	PSO851	PSO852	PSO853	PSO854	PSO855	PSO856	PSO857	PSO858	PSO859	PSO860	PSO861	PSO862	PSO863	PSO864	PSO865	PSO866	PSO867	PSO868	PSO869	PSO870	PSO871	PSO872	PSO873	PSO874	PSO875	PSO876	PSO877	PSO878	PSO879	PSO880	PSO881	PSO882	PSO883	PSO884	PSO885	PSO886	PSO887	PSO888	PSO889	PSO890	PSO891	PSO892	PSO893	PSO894	PSO895	PSO896	PSO897	PSO898	PSO899	PSO900	PSO901	PSO902	PSO903	PSO904	PSO905	PSO906	PSO907	PSO908	PSO909	PSO910	PSO911	PSO912	PSO913	PSO914	PSO915	PSO916	PSO917	PSO918	PSO919	PSO920	PSO921	PSO922	PSO923	PSO924	PSO925	PSO926	PSO927	PSO928	PSO929	PSO930	PSO931	PSO932	PSO933	PSO934	PSO935	PSO936	PSO937	PSO938	PSO939	PSO940	PSO941	PSO942	PSO943	PSO944	PSO945	PSO946	PSO947	PSO948	PSO949	PSO950	PSO951	PSO952	PSO953	PSO954	PSO955	PSO956	PSO957	PSO958	PSO959	PSO960	PSO961	PSO962	PSO963	PSO964	PSO965	PSO966	PSO967	PSO968	PSO969	PSO970	PSO971	PSO972	PSO973	PSO974	PSO975	PSO976	PSO977	PSO978	PSO979	PSO980	PSO981	PSO982	PSO983	PSO984	PSO985	PSO986	PSO987	PSO988	PSO989	PSO990	PSO991	PSO992	PSO993	PSO994	PSO995	PSO996	PSO997	PSO998	PSO999	PSO1000	PSO1001	PSO1002	PSO1003	PSO1004	PSO1005	PSO1006	PSO1007	PSO1008	PSO1009	PSO1010	PSO1011	PSO1012	PSO1013	PSO1014	PSO1015	PSO1016	PSO1017	PSO1018	PSO1019	PSO1020	PSO1021	PSO1022	PSO1023	PSO1024	PSO1025	PSO1026	PSO1027	PSO1028	PSO1029	PSO1030	PSO1031	PSO1032	PSO1033	PSO1034	PSO1035	PSO1036	PSO1037	PSO1038	PSO1039	PSO1040	PSO1041	PSO1042	PSO1043	PSO1044	PSO1045	PSO1046	PSO1047	PSO1048	PSO1049	PSO1050	PSO1051	PSO1052	PSO1053	PSO1054	PSO1055	PSO1056	PSO1057	PSO1058	PSO1059	PSO1060	PSO1061	PSO1062	PSO1063	PSO1064	PSO1065	PSO1066	PSO1067	PSO1068	PSO1069	PSO1070	PSO1071	PSO1072	PSO1073	PSO1074	PSO1075	PSO1076	PSO1077	PSO1078	PSO1079	PSO1080	PSO1081	PSO1082	PSO1083	PSO1084	PSO1085	PSO1086	PSO1087	PSO1088	PSO1089	PSO1090	PSO1091	PSO1092	PSO1093	PSO1094	PSO1095	PSO1096	PSO1097	PSO1098	PSO1099	PSO1100	PSO1101	PSO1102	PSO1103	PSO1104	PSO1105	PSO1106	PSO1107	PSO1108	PSO1109	PSO1110	PSO1111	PSO1112	PSO1113	PSO1114	PSO1115	PSO1116	PSO1117	PSO1118	PSO1119	PSO1120	PSO1121	PSO1122	PSO1123	PSO1124	PSO1125	PSO1126	PSO1127	PSO1128	PSO1129	PSO1130	PSO1131	PSO1132	PSO1133	PSO1134	PSO1135	PSO1136	PSO1137	PSO1138	PSO1139	PSO1140	PSO1141	PSO1142	PSO1143	PS



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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: Research Methodology

Class:ME- I

Div:

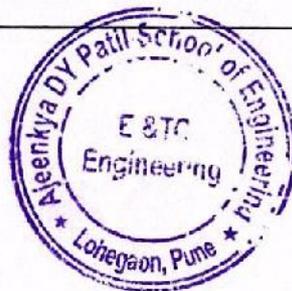
Name of Subject Teacher: Dr. Saniya Ansari

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 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"



Saniya
Dr. Saniya Ansari
Subject Teacher



Sharan
Dr. Sharan namdar
HoD

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



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 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: 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

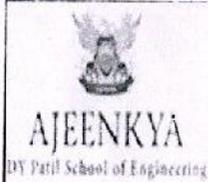
Saniya
 Dr. Saniya Ansari
 Subject Teacher



Saniya
 Dr. Sharani Inamdar
 HoD

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





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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

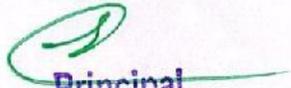
Div:

Name of Subject Teacher: Prof. Kalpita Mane

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

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2022-23

Semester:01

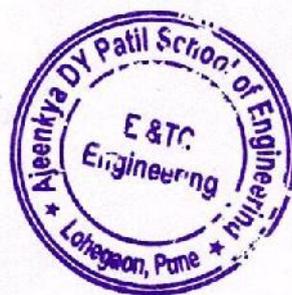
Subject: WSN

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



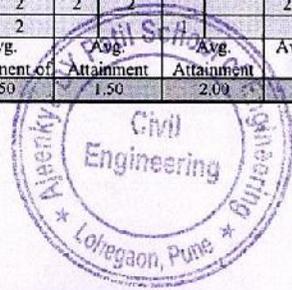

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune





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 Dr. D. Y. Patil Knowledge City, Charholi 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			2										
		CO-4	1.56	2	2	3	2	2	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			2	Avg. Attainment of PO			2	Avg. Attainment of PO			1.8	Avg. Attainment of PO			1.66666667	Avg. Attainment of PO			2	Avg. Attainment of PO			1.66666667	Avg. Attainment of PO			2	Avg. Attainment of PO			1.25	Avg. Attainment of PO			2	Avg. Attainment of PO			1.66666667		
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																														
		CO-3	1.56	2	2	3	2			3					2																												
		CO-4	1.56	2	2	2	2	2	3						2	2			3	2				2	2						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			1.75	Avg. Attainment of PO			1.75	Avg. Attainment of PO			2.20	Avg. Attainment of PO			1.50	Avg. Attainment of PO			1.50	Avg. Attainment of PO			2.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO			1.67	Avg. Attainment of PO			1.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO	
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																														
		CO-3	3	2	3	3	3		3						2										1																		
		CO-4	3	2	2	2	2	2	3						2	2															3												
		CO-5	3	2				2	2			3	3				2	2													1		1	1									
		CO-6	2.52	2	2	3	2			3	3				1																2		2										
		Avg. Attainment of PO			2.25	Avg. Attainment of PO			2.25	Avg. Attainment of PO			2.50	Avg. Attainment of PO			1.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO			1.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO			1.00		
4	SE (A) FM	CO-1	1.56	3	2	2	2	1	1					2	2											2	2	1	1			1	1										
		CO-2	1.4	3	2	2	1			1	1					2	1												3	2				1	1								
		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												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					3	2							
		Avg. Attainment of PO			2	Avg. Attainment of PO			1.67	Avg. Attainment of PO			1.75	Avg. Attainment of PO			1.67	Avg. Attainment of PO			2	Avg. Attainment of PO			1.67	Avg. Attainment of PO			1.5	Avg. Attainment of PO			2	Avg. Attainment of PO			1.67	Avg. Attainment of PO			2.00		
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																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															2												
		CO-5	1.56	2	2	2	2	2	2			2	2	2	2			2	2											2	2	2	2	1	1								
		CO-6	1.08	2	2	2	2			3	2																				2	1											
		Avg. Attainment of PO			1.75	Avg. Attainment of PO			1.75	Avg. Attainment of PO			2.00	Avg. Attainment of PO			1.50	Avg. Attainment of PO			1.50	Avg. Attainment of PO			2.00	Avg. Attainment of PO			2.00	Avg. Attainment of PO			1.67	Avg. Attainment of PO			2.00	Avg. Attainment of PO			1.33		



Principal
 Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

HOD
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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	ttainm	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																				
		CO-3	3	2	2	2	2	2	3																							1																			
		CO-4	3	2	2	2	2	2	2						2	2			3	3												3																			
		CO-5	3	2							2	2	2	2			2	2														1																			
		CO-6	2.52	2	2	3	2									1						1	1	2	2								2																		
		Avg. Attainment of			1.75	Avg. Attainment of			1.75	Avg. Attainment of			2.25	Avg. Attainment of			1.50	Avg. Attainment of			1.50	Avg. Attainment of			2.00	Avg. Attainment of			2.00	Avg. Attainment of			3.00	Avg. Attainment of			1.00	Avg. Attainment of			2.50	Avg. Attainment of			2.00	Avg. Attainment of			2.00	Avg. Attainment of	
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															
		CO-4	1.08	3	2				2	1	2	1	1	1	1	1	2	1						1	1											2	1														
		CO-5	1.56	2	2				2	2			1	1													2	2	1	1	2	2				2	1														
		CO-6	1.56	1	1				2	2	2	2				2	1	1									1	1	2	2						1	1														
		Avg. Attainment of			1.67	Avg. Attainment of			2	Avg. Attainment of			1.5	Avg. Attainment of			1.5	Avg. Attainment of			1	Avg. Attainment of			1.5	Avg. Attainment of			1.6	Avg. Attainment of			1	Avg. Attainment of			1.4	Avg. Attainment of			1.33	Avg. Attainment of			2	Avg. Attainment of			1.2		
8	SE (A) SURVEY	CO-1		3	2	2	2	1	1					2	2											2	2	1	1					1	1																
		CO-2		2	2	2	1				1	1					2	1								2	2	1	1							1	1														
		CO-3		2	2	3					3	2															2	2	3	2							3	2													
		CO-4		3	2	2	2	2	2	3		2	2					3	2							1	1	2	2	1	1						2	2													
		CO-5		3	2	1				2	2	2	2			2	2												3	2	2	2						2	2												
		CO-6		3	2					3	2					1	1										2	2	2	2	1	1						3	2												
		Avg. Attainment of			2	Avg. Attainment of			1.67	Avg. Attainment of			1.75	Avg. Attainment of			1.67	Avg. Attainment of			2	Avg. Attainment of			1.67	Avg. Attainment of			1.5	Avg. Attainment of			2	Avg. Attainment of			1.33	Avg. Attainment of			2	Avg. Attainment of			1.67						
9	SE (A) CT	CO-1	3	2	2	3	3	2	2	1	1					2	2																																		
		CO-2	2.84	2	1	3	3	2	2			1	1																																						
		CO-3	3	2	2	3	3					3																									3	3													
		CO-4	3	2	2				2							2	2																					2													
		CO-5	3	2						3																											3														
		CO-6	2.52	2	2	3	3				3	3						1	1									2									1	1	2	2											
		Avg. Attainment of			1.75	Avg. Attainment of			3.00	Avg. Attainment of			2.33	Avg. Attainment of			1.00	Avg. Attainment of			1.50	Avg. Attainment of			2.00	Avg. Attainment of			2.00	Avg. Attainment of			2.00	Avg. Attainment of			2.00	Avg. Attainment of			2.00										
10	SE (A) SA	CO-1	2.04	2	2	2	2	2	2	1	1					2	2																																		
		CO-2	1.88	2	1	1	1	2	2			1	1																																						
		CO-3	2.04	2	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				2	2																			3													
		CO-6	1.56	2	2	3	2				3	2																										2													
		Avg. Attainment of			1.75	Avg. Attainment of			1.75	Avg. Attainment of			2.25	Avg. Attainment of			1.50	Avg. Attainment of			1.50	Avg. Attainment of			2.00	Avg. Attainment of			2.00	Avg. Attainment of			3.00	Avg. Attainment of			1.00	Avg. Attainment of			2.00	Avg. Attainment of			2.00						



Principal
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Sr. No.	Class (Div) & Subject	CO No.	O 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	TE A HWRE	CO-1	2.52	3	3	2	2	1	1				2	2											
		CO-2	2.36	3	3	2	2			1	1			2	2										
		CO-3	2.52	3	3					3	3														
		CO-4	2.52	3	3	2	2	2	2			2	2			1	1	2	2	1	1	1	1	2	
		CO-5	2.52	3	3					2	2	2	2					3	3	3					
		CO-6	2.04	3	3					2	2	2	2					2	2	2	2	2	2	2	
			3.00	2.00		2.00		2.00		2.00		1.67		2.50		2.00		2.33		2.00		1.50		2.00	
2	TE A DSS	CO-1	3	2	3	3	3	2	2	1	1			2	2										
		CO-2	2.84	2	3	3	3	2	2			1	1					1	1						
		CO-3	3	2	3	3	3					3													
		CO-4	3	2	2	2	2	2			2														
		CO-5	3	2	3	1	3			3		2	2												
		CO-6	2.52	2	3	3	3	2	2	3	3				1	1			2		1	2	2		
			2.80	2.80		2.33		1.50		1.50		1.50		2.00		2.00				2.00		1.00		2.00	
3	TE A EEFM	CO-1	2.52	3	2	3	3	3	2	2	1	1													
		CO-2	2.36	2.84	2	3	3	3	2	2															
		CO-3	2.52	3	2	3	3	3				3													
		CO-4	2.52	3	2	2	2	2	2																
		CO-5	2.52	3	2	3	1	3			3														
		CO-6	2.04	2.52	2	3	3	3	2	2	3	3													
			2	1.67		1.75		1.67		2		1.67		1.5		2		1.67		2		1.5		2	
4	TE A CM	CO-1	2.52	3	2	2	2	1	1				2	2											
		CO-2	2.36	3	2	2	1			1	1			2	1										
		CO-3	2.52	3	2					3	2														
		CO-4	2.52	3	2	2	2	2	2			2	2			1	1	2	2	1	1	1	1	2	
		CO-5	2.52	3	2			2	2	2	2			2	2										
		CO-6	2.04	3	2			3	2			1	1												
			2	1.67		1.75		1.67		2		1.67		1.5		2		1.67		2		1.5		2	
5	TE A ACT	CO-1	3	2	2	2	1	1				2	2												
		CO-2	3	2	2	1			1	1			2	1											
		CO-3	3	2					3	2															
		CO-4	3	2	2	2	2	2			2	2													
		CO-5	3	2			2	2	2	2			3	2											
		CO-6	3	2			3	2				1	1												
			2	1.67		1.75		1.67		2		1.67		1.5		2		1.67		2		1.5		2	



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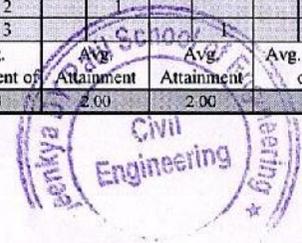
Sr. No.	Class (Div) & Subject	CO No.	PO Attainment	PO1 Attainment	PO2 Attainment	PO3 Attainment	PO4 Attainment	PO5 Attainment	PO6 Attainment	PO7 Attainment	PO8 Attainment	PO9 Attainment	PO10 Attainment	PO11 Attainment	PO12 Attainment	PSO Attainment	PSO2 Attainment	PSO3 Attainment				
6	TE A WWE	CO-1	3	2	3	3	2	2	1	1			1		3			1	1			
		CO-2	2.84	2	3	3	2	2			1							2	3	3		
		CO-3	3	2	3	3	3			3		1		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								1	1	2
		CO-6	2.52	2	3	3	3	2	2	3	3			1						2	2	
		Avg. 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		
7	TE A DRCS	CO-1	3	2	3	3	2	2	1	1			2	2				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					3	1	2	
		CO-4	3	2	2	2	2	2			2			2	2				1	1	2	
		CO-5	3	2	3	1	3			3		2	2							1	1	2
		CO-6	2.52	2	3	3	3	2	2	3	3			1	1	2	2			2	2	
		Avg. 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		
8	TE A RSGIS	CO-1	3	2	3	3	3	2	2	1	1			1		3			1	1		
		CO-2	2.84	2	3	3	3	2	2			1		2						3	3	
		CO-3	3	2	3	3	3			3			1		2	2			3	1	2	
		CO-4	3	2	2	2	2	2			2			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	1	2
		Avg. 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			
9	TE A SWM	CO-1	3	2	3	3	3	2	2	1	1			1		3			1	1		
		CO-2	2.84	2	2	2	2	2	2		1		2							3	3	
		CO-3	3	2	3	3	3			3			1		2	2			3	1	2	
		CO-4	3	2	2	2	2	2			2			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	1	2
		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			
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	
		CO-3		71.43		3	81.87	3	94	3	100	3	3	87	3	3	3	3	2	2	1	
		CO-4		85.71		3	81.87	3	94	3	100	3	3	93	3	3	3	3	2	2	1	
		CO-5			80	3	81.87	3	94	3	100	3	3	84	3	3	3	3	3			
		CO-6			87.5	3	81.87	3	94	3	100	3	3	89	3	3	3	3	3			
		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	1.67	2.00		



(Signature)
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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	BE A IWRPM	CO-1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	
		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	
		CO-4	1.5	1	1	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
		CO-6	2	3	3					3	3	2	2	2	2	2	2	2	3	3
		Avg. Attainment of			2.00	2.00	2.00	1.50	1.50	2.00	1.75	1.50	2.00	2.00	2.00	2.00	2.20	1.60	2.00	2.00
3	BE APC	CO-1	3	1	1	2	2	3	3			3	3					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			
		CO-5	2.84					3	3	2	2					2	2			
		CO-6	3									3	3						1	1
		Avg. Attainment of			2.33	2	2.25	2.5	1.5	2	2.5						2	3	2.25	3
4	BE A HON	CO-1	3								3	3								
		CO-2	3								3	3	2	2						
		CO-3	2.52					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			2	2	2.33	1.67	1.33	2.50	2.00	2.50	2.00	2.00	2.00	2.00	1.00	2.00	2.00	1.00
5	BE A DHS	CO-1	3	2	3	3	3	2	2	1	1			1		3				
		CO-2	2.84	2	2	2	2	2	2		1	2			2	2		2	2	
		CO-3	3	2	3	3	3		3			1	2	2	2	2	3			
		CO-4	3	2	3	2	3	2		2		2	3				2	3		
		CO-5	3	2	3	1	3		3	2		1			3	2	2	1		
		CO-6	2.52	2	3	3	3	2	2	3	3		1			2	2	2	2	
		Avg. Attainment of			2.80	2.80	2.33	1.67	1.33	2.50	2.00	2.50	2.00	2.00	2.00	1.00	2.00	2.00	1.00	
6	BE A QSCT	CO-1	3	2		3		2	2	1	1			1		3				
		CO-2	2.84	2				2	2			1	2				2			
		CO-3	3	2					3			1	2	2	2	2	3			
		CO-4	3	2					2		2		3				2			
		CO-5	3	2		1			3	2		1			3	2	2	1	1	
		CO-6	2.52	2	2	3	2	2	2	3	3				2	2	2	2	2	
		Avg. Attainment of			2.80	2.80	2.33	1.67	1.33	2.50	2.00	2.50	2.00	2.00	2.00	1.00	2.00	2.00	1.00	



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				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
						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
						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	
		CO-2	3.00	2.00	2.00	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												2.00
		CO-4	3.00			3.00	3.00	2.00	2.00												3.00
		CO-5	3.00					3.00	3.00	2.00	2.00										2.00
		CO-6	3.00					3.00	3.00	2.00	2.00										2.00
						Avg. Attainment															
				3.00	3.00	3.00	2.00								2.00	1.00			3.00	3.00	
12	TE (B)-MC	CO-1	3.00	3.00	3.00			1.00	1.00											2.00	
		CO-2	3.00	3.00	3.00	2.00	2.00					2.00	2.00							1.00	
		CO-3	2.52	3.00	3.00	3.00	3.00	1.00	1.00	2.00	2.00										3.00
		CO-4	2.52	3.00	3.00	2.00	2.00	2.00	2.00			1.00	1.00								2.00
		CO-5	3.00	2.00	2.00																1.00
		CO-6	3.00	3.00	3.00			2.00	2.00	1.00	1.00										1.00
						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	
		CO-2	3.00	1.00	1.00	2.00	2.00														
		CO-3	3.00			2.00	2.00			2.00	2.00										2.00
		CO-4	3.00	3.00	3.00	2.00	2.00	2.00	2.00												2.00
		CO-5	3.00					2.00	2.00												2.00
		CO-6	3.00	3.00	3.00	2.00	2.00	1.00	1.00												2.00
						Avg. Attainment															
				3.00	2.00	2.00	2.00	1.00							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	
		CO-2	3.00	1.00	1.00	2.00	2.00														
		CO-3	2.52			2.00	2.00			2.00	2.00										2.00
		CO-4	2.52	3.00	3.00	2.00	2.00	2.00	2.00												2.00
		CO-5	3.00					2.00	2.00												2.00
		CO-6	3.00	3.00	3.00	2.00	2.00	1.00	1.00												2.00
						Avg. Attainment															
				3.00	2.00	2.00	2.00	1.00							2.00	2.00			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
				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	2.00																										
		CO-2	3.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00																										
		CO-3	2.52	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00																										
		CO-4	2.52	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	2.00																						
		CO-5	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00																						
		CO-6	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00																					
		Avg Attainment			1.17	1.50		1.83		2.00		1.33												1.00		1.00		1.00		1.00		1.00		1.00			

16	TE (B)-DBMS	CO-1	3.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00																												
		CO-2	3.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00																											
		CO-3	2.52	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00																											
		CO-4	2.52	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	3.00	3.00	2.00	2.00																							
		CO-5	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00																								
		CO-6	3.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00																							
		Avg Attainment			1.17	1.50		1.83		2.00		1.33												1.00		1.00		1.00		1.00		1.00		1.00				

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																									
		CO-2	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																								
		CO-3	3.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	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	1.00	1.00																							
		CO-5	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																							
		CO-6	3.00	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00																									
		Avg Attainment			2.00	2.00		2.00		2.00		1.00												1.00		1.00		2.00		2.00		2.00		2.00				

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

19	BE (A)-Cloud Computing	CO-1	3.00	3.00	3.00			3.00	3.00					2.00	2.00	3.00	3.00																					
		CO-2	3.00	3.00	3.00	3.00	3.00			2.00	2.00	3.00	3.00			2.00	2.00																					
		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																				
		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																			
		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																			
		Avg Attainment			3.00	3.00		3.00		3.00		3.00		3.00		3.00		3.00						2.00		2.00		1.00		2.00		2.00		2.00				

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



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	2.00	3.00	1.00	1.00	2.00	2.00	2.00	2.00						
		CO-2	3.00			2.00	2.00	2.00	2.00	1.00	1.00									
		CO-3	3.00	2.00	2.00	2.00	2.00			1.00	1.00									
		CO-4	3.00	2.00	2.00	1.00	1.00	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					
				Avg. Attainment																
			3.00		3.00		3.00		2.00		2.00		2.00		2.00		2.00		2.00	
2	SE (A)-PCS	CO-1	3.00	1.00	1.00	3.00	3.00													
		CO-2	3.00					2.00	2.00											
		CO-3	3.00	2.00	2.00															
		CO-4	3.00							3.00	3.00									
		CO-5	3.00			2.00	2.00					2.00	2.00							
		CO-6	3.00	1.00	1.00			2.00	2.00	2.00	2.00									
				Avg. Attainment																
			2.00		3.00		2.00		3.00											
3	SE (B)-PCS	CO-1	3.00	1.00	1.00	3.00	3.00													
		CO-2	3.00					2.00	2.00											
		CO-3	2.52	2.00	2.00															
		CO-4	2.52							3.00	3.00									
		CO-5	3.00			2.00	2.00					2.00	2.00							
		CO-6	3.00	1.00	1.00			2.00	2.00	2.00	2.00									
				Avg. Attainment																
			2.00		3.00		2.00		3.00											
4	TE (A)-NS	CO-1	3.00	3.00	3.00	3.00	3.00													
		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					
		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					
		CO-4	2.52	3.00	3.00	3.00	3.00			1.00	1.00	2.00	2.00	2.00	2.00					
		CO-5	3.00	1.00	1.00	3.00	3.00													
		CO-6	3.00	1.00	1.00	3.00	3.00	1.00	1.00											
				Avg. Attainment																
			3.00		3.00		1.00		1.00		2.00		2.00							
5	TE (B)-NS	CO-1	3.00	3.00	3.00	3.00	3.00													
		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					
		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					
		CO-4	3.00	3.00	3.00	3.00	3.00			1.00	1.00	2.00	2.00	2.00	2.00					
		CO-5	3.00	1.00	1.00	3.00	3.00													
		CO-6	3.00	1.00	1.00	3.00	3.00	1.00	1.00											
				Avg. Attainment																
			3.00		3.00		1.00		1.00		2.00		2.00							
		CO-1	3.00	3.00	3.00	3.00	3.00	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	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	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	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		Avg. Attainment		Avg. Attainment
				2.80		1.40		1.00		1.75		1.40		1.75		1.33		1.33		2.75		2.00		1.33		2.33		1.67		2.67				
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	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	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	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		Avg. Attainment		Avg. Attainment
				2.80		1.40		1.00		1.75		1.40		1.75		1.33		1.33		2.75		2.00		1.33		2.33		1.67		2.67				
14	SE (B)- CS	CO-1	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		Avg. Attainment		Avg. Attainment
				3.00		3.00		3.00		2.00		2.00		2.00		2.00		2.00		2.00		1.00		1.00		1.00		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 Lohgaon, Pune



[Signature]
Principal
Ajeenkya DY Patil School of
Engineering, Lohgaon, 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

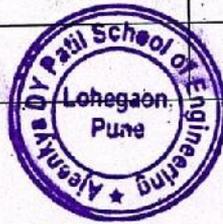
CO/PO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
CO 1	3	3				2						1
CO 2	3	3	2				1					1
CO 3	2	1	1	2								2
CO 4	2	2				2						2
CO 5	3	2									1	1
CO 6	2						3					2

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			

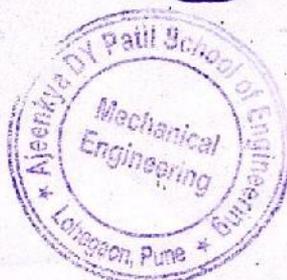
Prof R.N. Garad

Subject Teacher



Prof R.N. Garad

HOD



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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

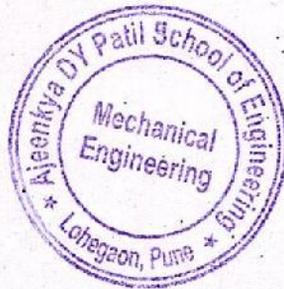
Prof. R. N. Garad

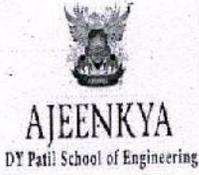
Head of Department

Dr. F. B. Sayyad

Principal

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Form No. IQAC/28

Date: 18/01/2023

Event Report

Academic Year: 2022-23

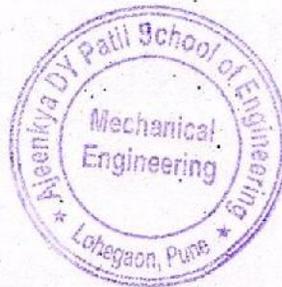
Semester-II

Name of the event: Seminar on "Human Ethics"

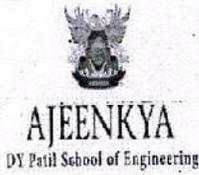
Date and Time	17/01/2023 2.00 to 3.00 pm
Event Venue	Dr D Y Patil School of Engineering
Organized by	Mechanical Department
Targeted Audience	SE/TE/BE Mechanical Students
Resource Person	Mr. Kaustubh Dhawale

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




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Form No. IQAC/28

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

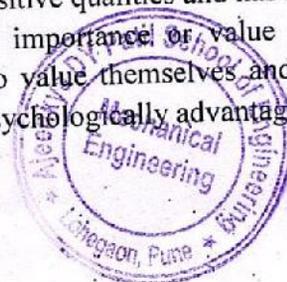
Positive thinking can help a personality in numerous ways. It leads an individual toward confidence and helps in looking for fine things in life. It brings in an innovative perspective that can craft all the difference in the world.

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.



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4. Self Confidence

One may be affluent and intelligent. But if one does not possess 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

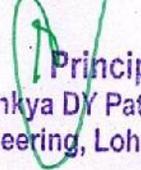
Empathy is the skill to comprehend another person's difficulties and point of vision. It is the act of understanding, being responsive of, being aware to, and vicariously experiencing the thoughts, and experience of another of either the past or present without encompassing the feelings, thoughts, and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




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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

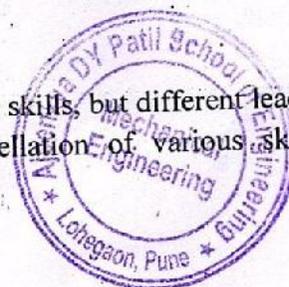
A resume is a written record of your contact details, skills, skills and employment history. It establishes your details and appears to be appealing and convincing. It reflects and symbolizes an individual. Hence it is very vital to methodically draft the document with the adequate information concerning 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

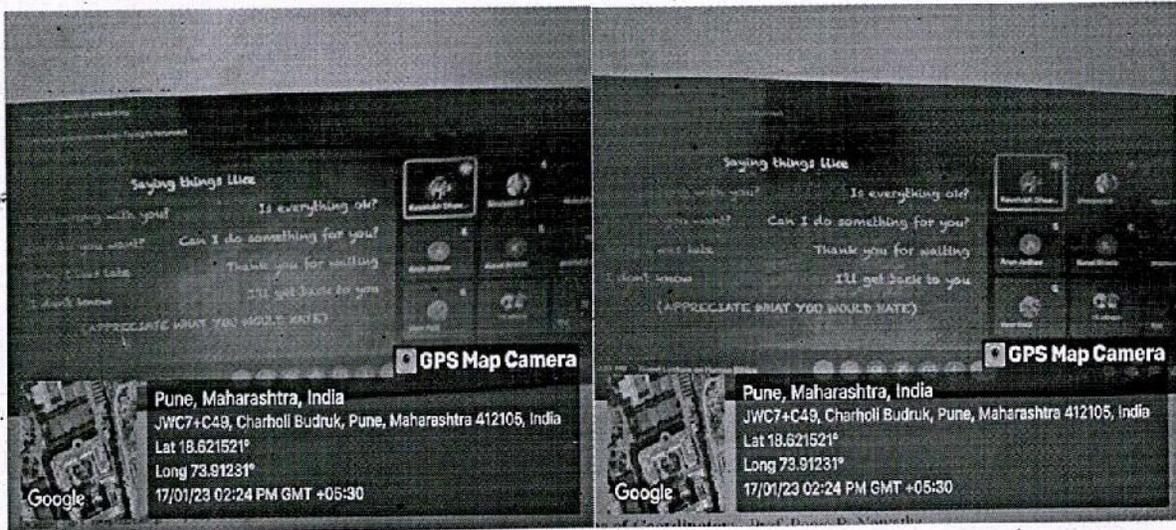
The aptitude to lead relies on a number of key skills, but different leaders have different styles of leadership. Leadership in itself is a constellation of various skill sets like : • Effective




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

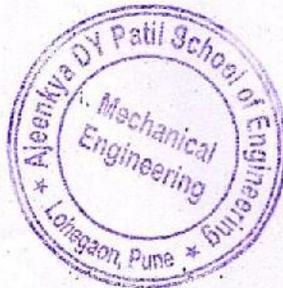
Photos:



Name of Coordinator: Prof. Pooja R. Nawathe

HoD: Prof. Rohit N. Garad

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Date: 17/01/2023

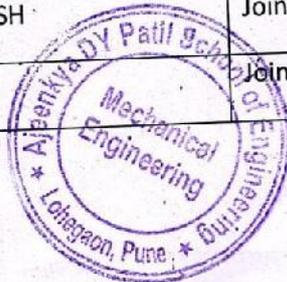
Event Attendance

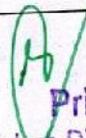
Academic Year: 2022-23

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



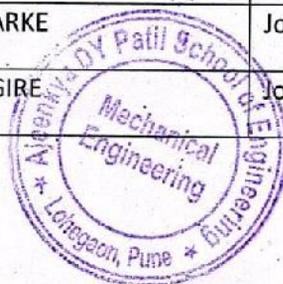

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20	Sarthak Binalkumar Dharmik	Joined	01/05/2020, 11:03:22
21	Dondal Yash Dilip	Joined	01/05/2020, 11:03:23
22	Gautam Yadav	Joined	01/05/2020, 11:03:24
23	Gawade Rohit R	Joined	01/05/2020, 11:03:25
24	Ghanwat Karan Ajit	Joined	01/05/2020, 11:03:26
25	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



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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	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



9

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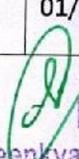
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Department of Engineering Sciences

Form No. IQAC/28

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	bhavesht 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
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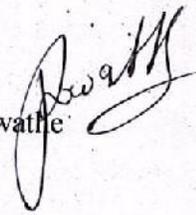



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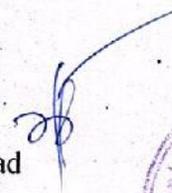
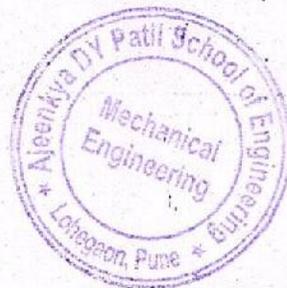
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88	Sujit Jogi	Joined	01/05/2020, 11:04:40
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91	BHAGAT KSHITIJ SUSHANT	Joined	01/05/2020, 11:04:43
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93	BORKAR GAURI VAMAN	Joined	01/05/2020, 11:04:44
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
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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

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Form No. IQAC/28

Date: 07/02/2023

Event Notice

Academic Year: 2022-23

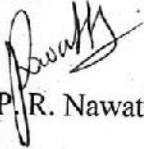
Semester-II

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

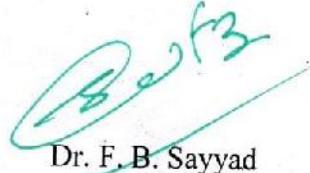
Mode of Conduction: Online

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

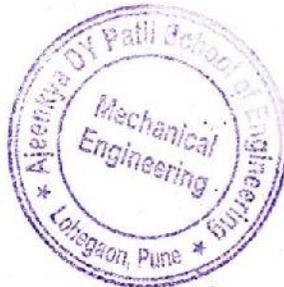

Prof. P. R. Nawathe
Event Coordinator


Prof. R. N. Garad
Head of Department


Dr. F. B. Sayyad

Principal

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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, DYPSOE)

Event Contents:

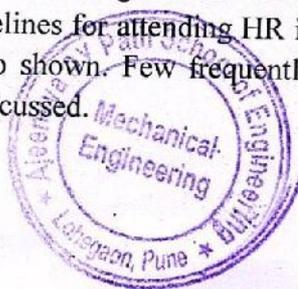
1. What is difference between CV, Resume, and Bio-data
2. How to handle Interviews
3. How to take part in Group Discussion
4. How to write CV effectively

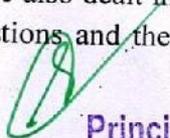
Details of the event:

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, DYPSOE) 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.




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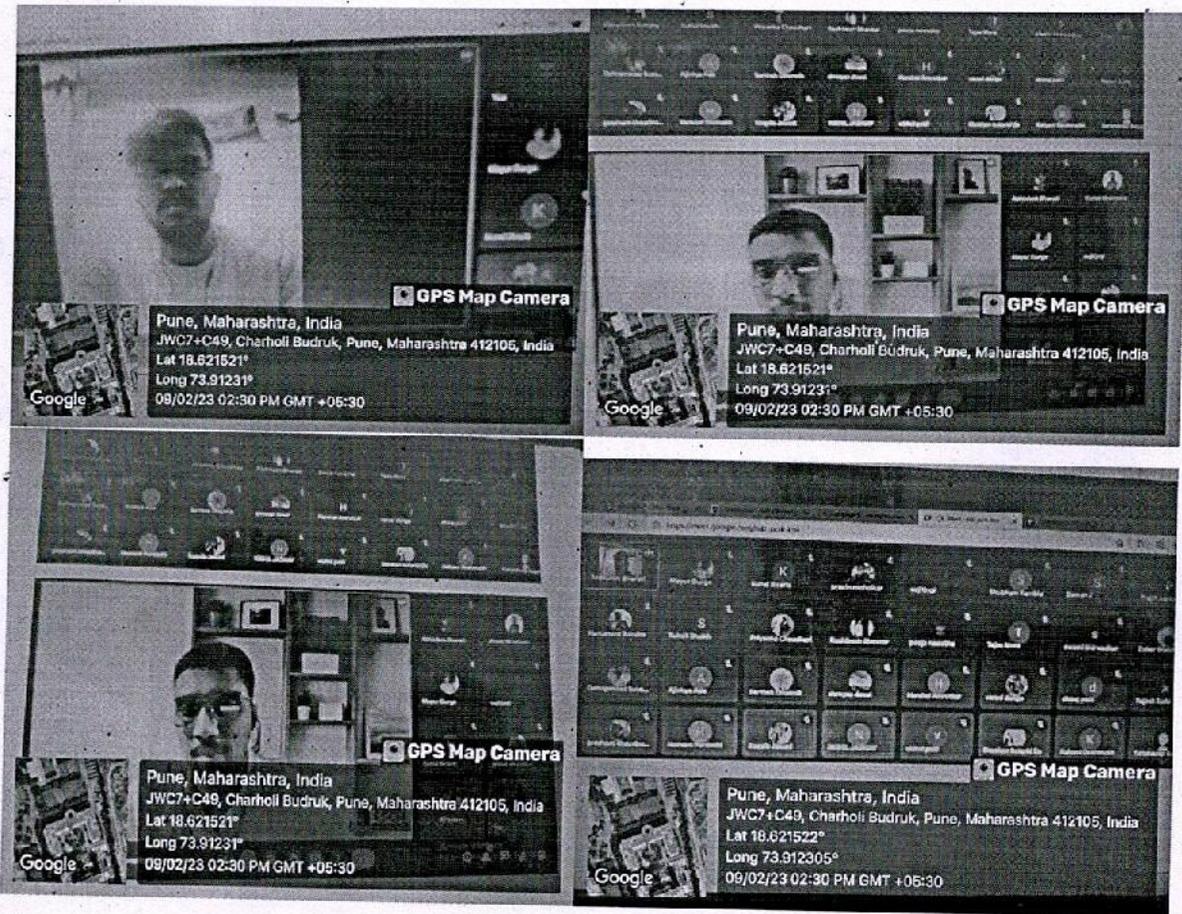
"Empowerment through quality technical education"
AJEENKYA DY PATIL SCHOOL OF ENGINEERING
 Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune – 412 105.
 Department of Engineering Sciences

Form No. IQAC/28

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.

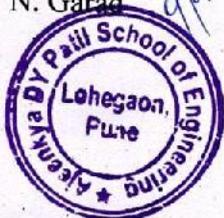
Photos:



Name of Coordinator: Prof. Pooja R. Nawathe

HoD: Prof. Rohit N. Garad

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AJEENKYA
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Department of Engineering Sciences

Form No. IQAC/28

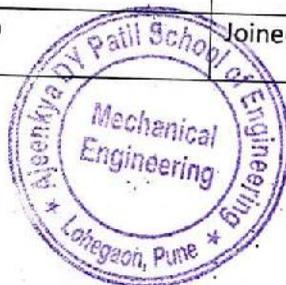
Event Attendance

Academic Year: 2022-23

Semester-II

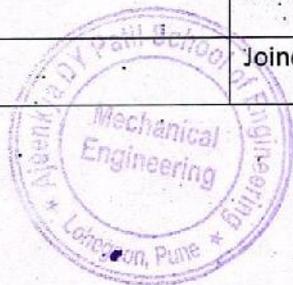
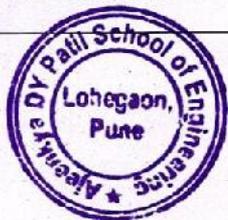
Name of Event: Seminar on “Soft Skills and Placement Talk”

Sr. No.	Name of the Participant	User Action	Time Stamp
1	TANMAY DIGAMBAR DABHADE	Joined	01/05/2020, 11:02:02
2	TĒJAS 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



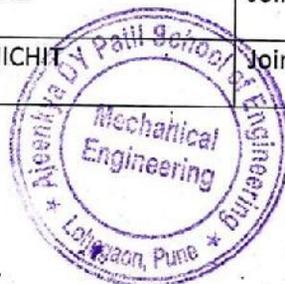
4
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20	Sarthak Binalkumar Dharmik	Joined	01/05/2020, 11:03:22
21	Dondal Yash Dilip	Joined	01/05/2020, 11:03:23
22	Gautam Yadav	Joined	01/05/2020, 11:03:24
23	Gawade Rohit R	Joined	01/05/2020, 11:03:25
24	Ghanwat Karan Ajit	Joined	01/05/2020, 11:03:26
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, 11:011:31
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
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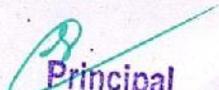
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45	Durge Mayur Dilip	Joined	01/05/2020, 11:04:37
46	Avinash Rajkumar Biradar	Joined	01/05/2020, 11:04:38
47	Abhay Chinewar	Joined	01/05/2020, 11:04:38
48	Choudhari Vaibhav Laxman	Joined	01/05/2020, 11:04:38
49	Dolas Rushikesh	Joined	01/05/2020, 11:04:39
50	Jaywant Dode	Joined	01/05/2020, 11:04:39
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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	Mánohar 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



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66	NISHANT ASHOK PANDEY	Joined	01/05/2020, 11:04:39
67	Jay Pandharinath Pagar	Joined	01/05/2020, 11:04:39
68	bhavesh 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
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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
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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
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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



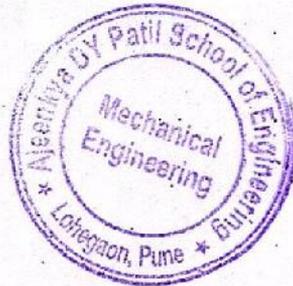
7

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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
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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

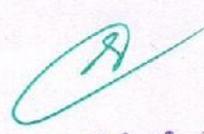
NOTICE

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
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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.

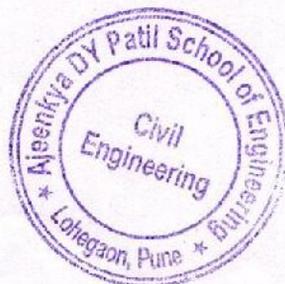
Resolutions

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

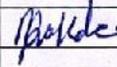
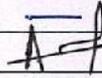
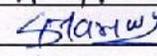
Prepared by
Aakanksha Ingle

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





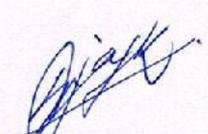
Dr. D. Y. Patil Technical Campus
Ajeenkya D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105
Website: www.dypic.in Contact No.: 020-6707 7926

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





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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

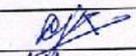
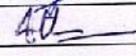
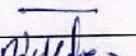
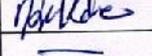
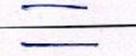
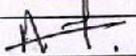
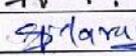
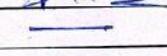
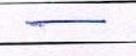
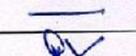
HOD
Lt.Col. Sanjay Karodpati(Retd).
Civil Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

Principal
Dr. F.B. Sayyad

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



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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.	Mr. Kiran Gaikwad	

Prof. Lt.Col. Sanjay Karodpati

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Lohegaon, Pune



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Engineering, Lohegaon, Pune



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

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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

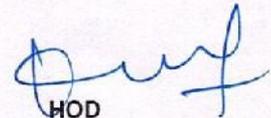
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CO 2	3	0	2	2			2					
CO 3	0	0		0			2					
CO 4	2	2	3	1								
CO 5	1	2	0	0				3				
CO 6	3	2	2	0								

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

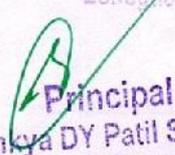
Sr. No .	Activity	PO	Justification
01	Seminar on Soft Skill	07	Activity based Mapping
02	Seminar on Life Skill and Ethics	08	Activity based Mapping

V. Key

Subject Teacher


HOD



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

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Department of Engineering Science

Form No. IQAC/30

Date:08/11 /2022

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.




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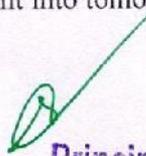
1

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.

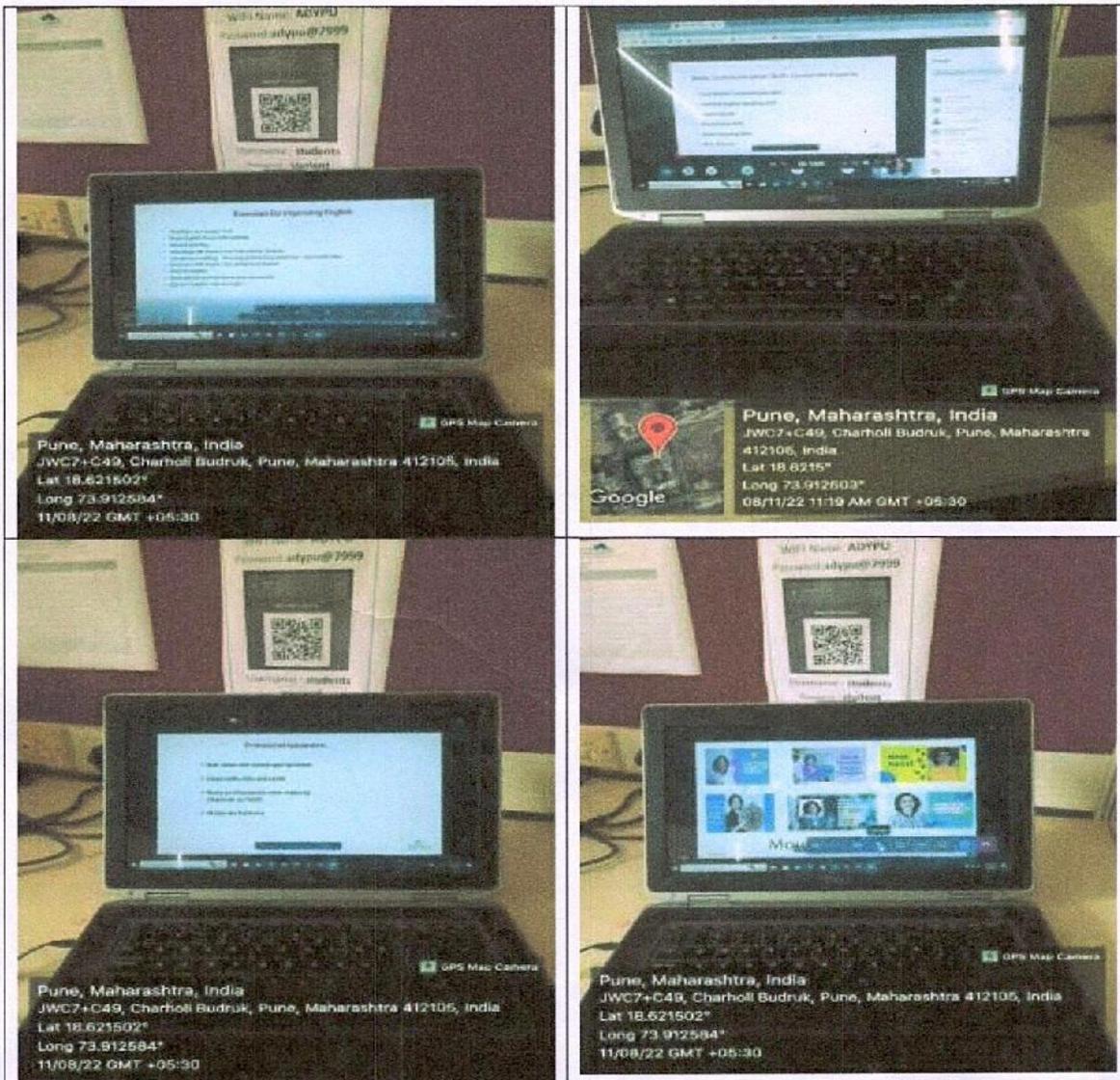
Details of the event:

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.




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Geotagged Photos:




 3
 Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

Name and Sign of Coordinator: Prof. Vikas Mogadpalli

Vikas

Departmental Event Coordinator: Prof. Vikas Mogadpalli

Vikas

HoD: Dr. S.M. Kharnar

HOD

Engineering Sciences

Ajeenkya DY Patil School of Engineering

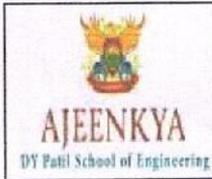
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Department of Engineering Sciences

Form No. IQAC/30

Date: 26/11/2022

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

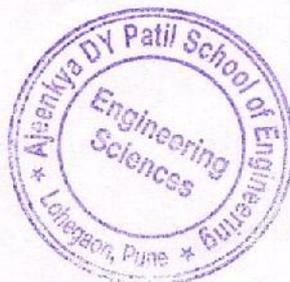
Event Contents:

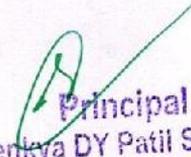
1. Introduction of Guest & Agenda of event

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.




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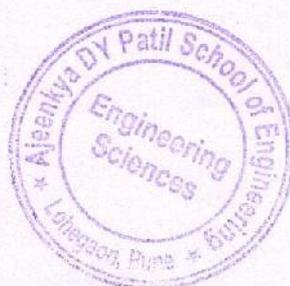
4. Physical exercise like Asanas
5. Pranayama like Bhastrika, Kapalbhairati, Anulom-vilom, Udgit & Bhramari etc.
6. Causes of stress & its type, Solution for stress, anxiety, hypertension etc.

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.




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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)
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Name and Sign of Coordinator: Vikas Mogadpalli

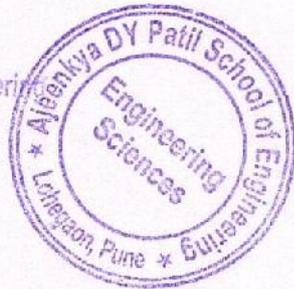
Vikas
Vikas

Departmental Event Coordinator: Vikas Mogadpalli

HoD: Dr. S. M. Khairnar

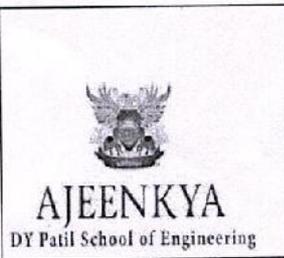
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Department of Engineering Science

Form No. IQAC/25

Date: 3 /11/2022

Event Notice

Academic Year: 2022-23

Semester-I

Name of the event : Soft Skill Training

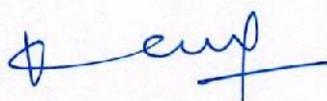
Date of the event : 11 Nov 2022

Time: 11.00 a.m. Onward

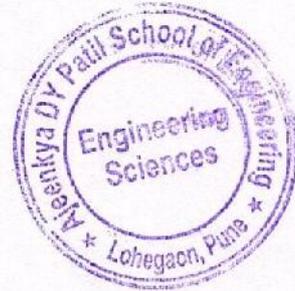
Venue : ADYPKC Auditorium and Virtual Platform

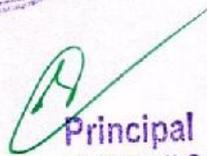
We, the department of Engineering Science are commencing our AY 2022-23 by welcoming our first batch of 'Ajeenkya DY Patil School Engineering'. On this occasion, we are organizing a **First Year Engineering – Soft Skill Training** on 11 Nov in ADYPKC auditorium. Students will be given a detail orientation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

Name and Sign of Coordinator: Mogadpalli Vikas Pandurang - 

HoD: Dr. S. M. Khairnar 

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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

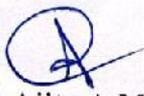
Semester : II Subject : Software Engineering

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



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Dr. Pankaj Agarkar
HOD
Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune

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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

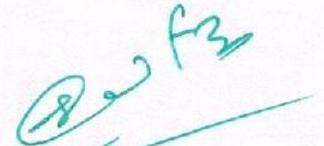
Event Coordinator



Dr. Pankaj Agarkar

Head of Department
HOD

Computer Engineering
Ajeenkya DY Patil School of Engineering
Lohegaon, Pune



Dr. F. B. Sayyad

Principal

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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

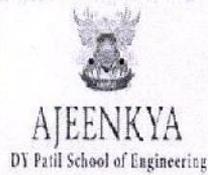
Details of the event:

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


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Form No. IQAC/28

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.

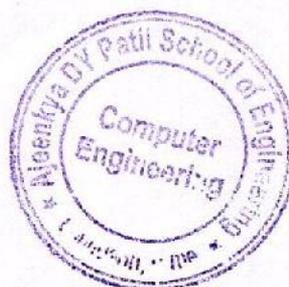
Photos:



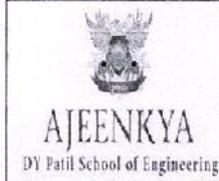
Name of Coordinator: Prof. Ajita A Mahapadi

HoD: Dr. Pankaj Agarkar

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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



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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




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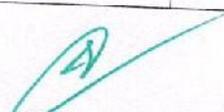
41	Dhanashri Hedau	Joined	15/02/2023, 11:04:35
42	Hitendra Sirvi	Joined	15/02/2023, 11:04:35
43	Rakesh Hokrani	Joined	15/02/2023, 11:04:36
44	Tanishq Jadhav	Joined	15/02/2023, 11:04:36
45	Aditya Jagtap	Joined	15/02/2023, 11:04:37
46	Jayesh Parmar	Joined	15/02/2023, 11:04:38
47	Shruti Jogdand	Joined	15/02/2023, 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




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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	Sanskruiti 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




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Form No. IQAC/28

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**

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Computer Engineering
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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

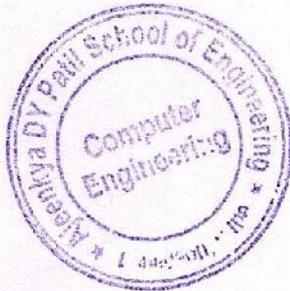
Head of Department

Dr. F. B. Sayyad

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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


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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.

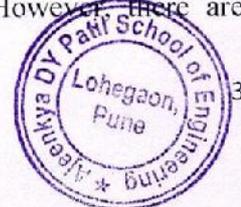
3. Self-Worth

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



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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 possess 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

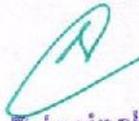
“Until we can manage time, we can manage nothing” – Peter Drucker “Life and time are the world’s best teachers. Life teaches us to make good use of time and time teaches us the value of life”- APJ Abdul Kalam Time management is the route of classifying and scheduling how to manage time amid specific 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


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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

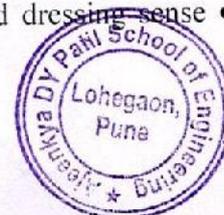
Decision making is a prime skill and is mainly important if you want to be an successful leader. It involves the procedure of deciding between two or more courses of action. In daily decisions, one must decide his course of action in a split second. Decision making skill encompasses foresight, emotional 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. 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




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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:

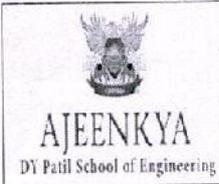


Name of Coordinator: Prof Ajita A Mahapadi 

HoD: Prof. Dr.Pankaj Agarkar 


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Department of Computer Engineering

Form No. IQAC/28

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




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16	Prasanna Baviskar	Joined	15/02/202311:03:18
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



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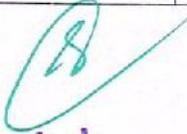




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Form No. IQAC/28

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


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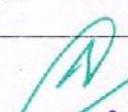




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Form No. IQAC/28

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


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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
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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

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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:

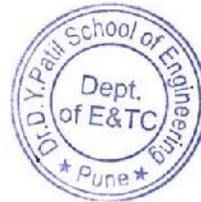
1. To discuss Course Outcomes (COs) of the subjects for semester-I,
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
3. Any other issue.

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.: DYP SOE/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

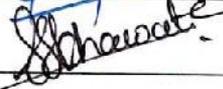
- 1) It has been decided to communicate COs, POs, PSOs & PEOs of the program to the stakeholders.

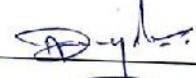
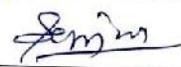
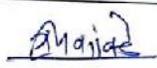

Prof. Shital Patil
 Prepared By


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. Soniya Anand	
2.	Prof. Smiti S. Khawate	

3.	Dr. S.M. Koli	
4.	Prof. Prajakta Khairnar	
5.	Mo- R L Keri	
6.	Prof. Shital Patil	
7.	Prof. Anjali V. Jagade	
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




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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 stake holders 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-1 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. Niranjan Shegokar	
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	Moreshwar Kundap	—

Peon

1	Mahesh Marathe	—
2	Bhaskar Ghodekar	—



Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





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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

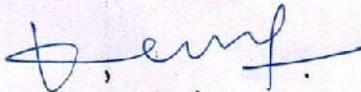
Date: 12/07/2022

Notice

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

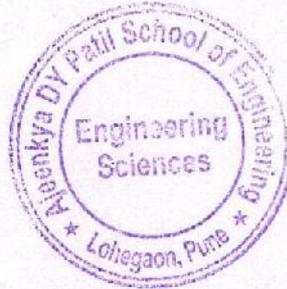
Agenda of meeting:

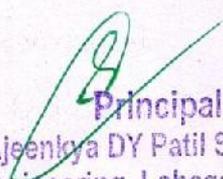
1. To discuss Course Outcomes (COs) of the subjects for semester-I,
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
3. Any other issue.


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





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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.

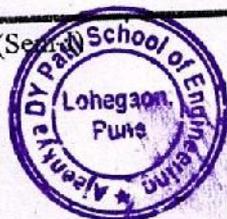
Prof. Vikas Mogadpalli
Dept. Coordinator for NAAC CR II

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

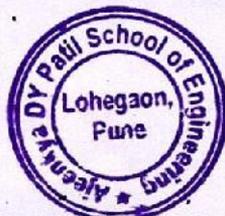
Sr. No.	Name of Faculty	Sign
1.	Dr. Kavita Tehare	
2.	M.S. Punam D. Gawali	
3.	Ms. G. Arya	
4.	Nikhil Raj Gupta	
5.	Prateeksha Patilwal	
6.	Dr. Arpita Yaj	
7.	Dr. S. M. Khairnar	
8.	Prof. P. R. Newalkhi	
9.	Prof. M.S. Nehre	
10.	Akanksha Sohoni	
11.	Ashutosh Patil	
12.	Mogadpauji V.P	
13.	Sanjima Desai	
14.	Sachin Rohinj	
15.	poonam Musmade	
16.	Tejpal R. padeshi	



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



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AJEENKYA D Y PATIL SCHOOL OF ENGINEERING
Dr. D. Y. Patil Knowledge City, Charholi Bk., Via. Lohegaon, Pune - 412 10
Department of First Year Engineering

A.Y. 2022-23

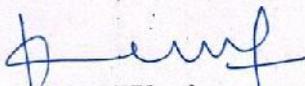
Date: 9/01/2023

Notice

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

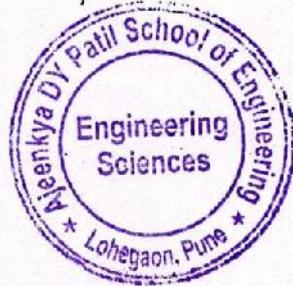
Agenda of meeting:

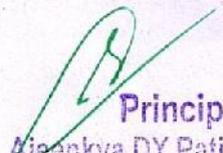
1. To discuss Course Outcomes (COs) of the subjects for semester-I,II
2. To discuss Program Outcomes (POs), Program Specific Outcomes (PSOs), Program Educational Objectives (PEOs) of the program.
3. Any other issue.


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





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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

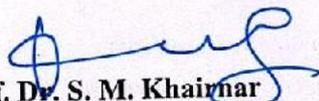
1. As per the instructions of the principal, HoD has instructed to commence the teaching from 12 July 2022.
2. The vision and missions of the department are discussed in the meeting. HoD instructed all the faculties to work towards the fulfillment of vision & missions of the program.
3. The COs, POs, 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 05/01/2022, & 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

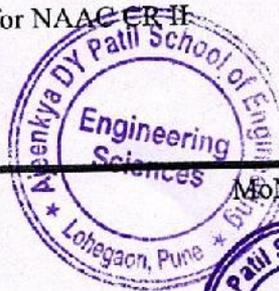
Ajeenkya DY Patil School of Engineering

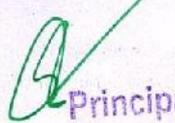
Lohegaon, Pune

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

MoM (24/12/2021)

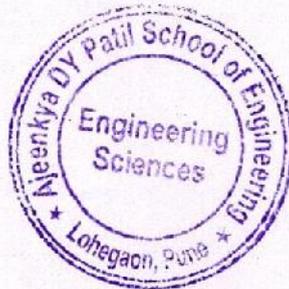
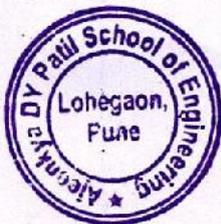
P.




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 Rahinj	
3.	Sanjona Desai	
4.	Mogadpalli V.P	
5.	Dr S. M. Kharimar	
6.	G. Anya	
7.	Poonam Musmade	
8.	Punam D. Gawali	
9.	Tejpa R. Pardeishi	
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



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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

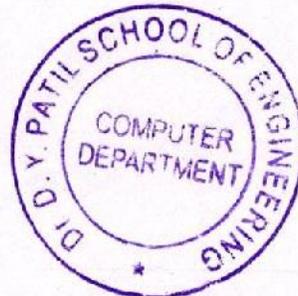
Div: A

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
No. Lohegaon, Charholi Bk, Pune - 412105

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



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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

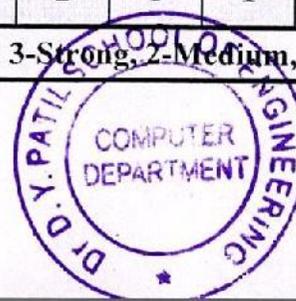
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	1		1	2	3	1		1			1	1	1		
CO-2	2- Understand		1		1	1		1			1			1		
CO-3	2- Understand	3		2	1	2							1	1	1	
CO-4	4-Analyze		2	1	2	1							1	1	1	
CO-5	2- Understand	1	3			1		1	1					1	2	
CO-6	2- Understand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

Amruta
Prof. Amruta Chitari
Subject Teacher

Pankaj
Dr. Pankaj Agarkar
HoD

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

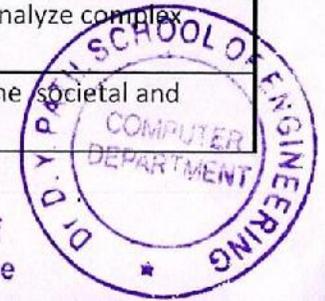


Justification for CO-PO Mapping.

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.



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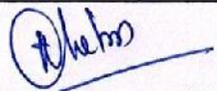


	PO10	1	Slightly the student will become aware of the need for lifelong learning and the continued upgrading of technical knowledge of Computer network data link layer
	PSO1	1	Slightly the student will study of fundamental concepts of Error control to analyse and implement them efficient design of computer-based 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
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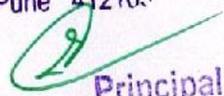
CO-5	PO3	1	Slightly the student having the Knowledge of client-server can design , develop, implement solutions for complex engineering problems.
	PO4	2	Moderately the knowledge of various tool of client -server architecture will help student to design and conduct experiments to provide valid conclusions
	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,
	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

Pgk
21-22 Sem II



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

Semester: 2

Subject: Kinematics of Machinery

Class: SE

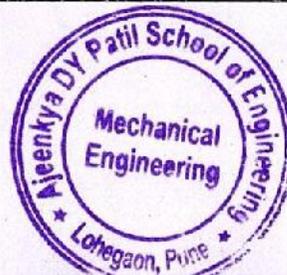
Div: B

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 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. Prashant Karajagi



Prof. R. N. Garad
 HOD

Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune



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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

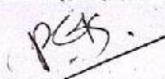
Subject: Kinematics of Machinery

Class: SE Div: B

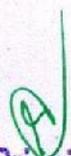
Name of Subject Teacher: Prof. P. G. Karajagi

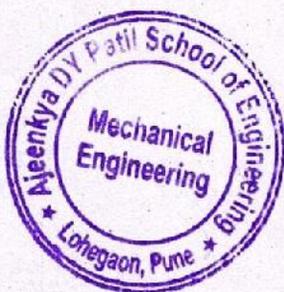
CO	PO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	3-Apply	3		3	2										2		
CO-2	4-Analyze	3	3	2	2											2	
CO-3	3-Apply	3	2		2											2	
CO-4	3-Apply	3		2	3									1			
CO-5	6-Create	3		3												2	
CO-6	6-Create	3	3	3												2	
Average		3.00	2.50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


Prof. Prashant Karajagi


Prof. R. N. Garad
HOD


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Justification for CO-PO Mapping.

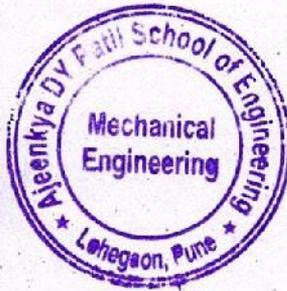
CO No.	PO/PSO	Level	Justification of Mapping
CO-1	PO1	3	Strongly students having the knowledge of kinematics and mechanisms
	PO3	3	Strongly students can provide the mechanisms for problems.
	PO4	2	Moderately students will apply the concept of DOF to real life applications.
	PSO1	2	Moderately student 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.
CO-3	PSO2	2	Moderately the student will understand the application in automobile field.
	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.
CO-4	PSO2	2	Moderately student will understand the mechanisms used in automobile field.
	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.
CO-5	PSO1	1	Slightly the student will provide the design for real life problems.
	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.
CO-6	PSO1	2	Moderately students will understand the gear drives used in automobile industry.
	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.

PKS

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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) Mapping of (20% Internal tests+10% Continuous Assessment +60% Univ result(III)+ 10% Univ oral result	Indirect Assessment (IDA)		CO Attainment Weightage (80% DA+ 20% IDA)
			Unit Test (20%)			CA (10%)		Subject Result (60%)		PR/OR/TW (10%)			Course Exit Survey	Mapping	
			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			



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HOD

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Dr. D. Y. Patil Knowledge City,

Charholi (Bk), Lohegaon, Pune - 412 105

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

Department of Mechanical Engineering

CO-PO-PSO Attainment

Form No. IQAC/36

Semester: 2

Class: SE

Div: B

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	3.00	Avg. Attainment of PO-2	3.00	Avg. Attainment of PO-3	2.67	Avg. Attainment of PO-4	2.25	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	1.50	Avg. Attainment of PSO-2	2.00	Avg. Attainment of PSO-3	



PKK
Prof. Prashant Karajagi

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

Department of Mechanical Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2021-22

Semester: II

Subject: Manufacturing Processes

Class: SE

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 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"



Tejaswini



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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



T.S.K.



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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



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	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
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



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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

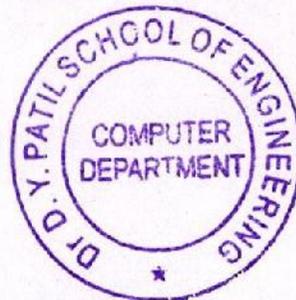
Semester: II

Div: A

Name of Subject Teacher: Prof. Amruta Chitari

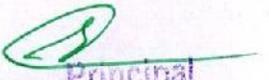
CO No.	BT level	Students will be able to
CO-1	1-Remember	Analyze needs and challenges for Data Science Big Data Analytics
CO-2	2-Understand	Apply statistics for Big Data Analytics
CO-3	4-Analyze	Apply the lifecycle of Big Data analytics to real world problems
CO-4	3-Apply	Implement Big Data Analytics 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
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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

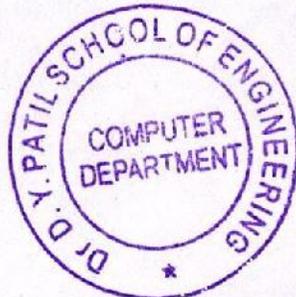
Div: A

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

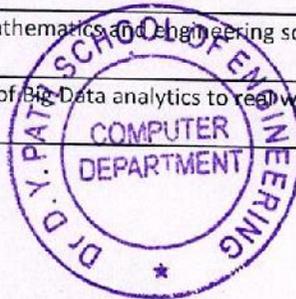
Head of the Department
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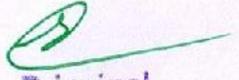
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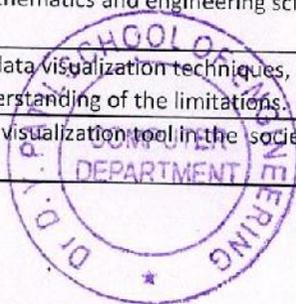
Justification for CO-PO Mapping.

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




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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.



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	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
CO-6	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 ecosysstem 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 & implemantation 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

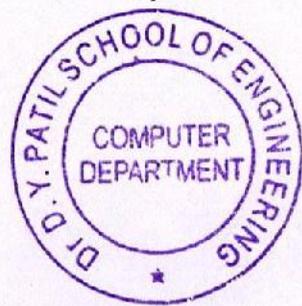
Amruta

Prof. Amruta Chitari
Subject Teacher

P.M. Agarkar

Dr. P.M Agarkar
HoD

Head of the Department
Department of Computer Engineering,
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Dr. D. Y Patil Technical Campus
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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 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

Subject Teacher

(Name: Dr. S.M.Khairnar)




Signature

Head of Department

(Name: Dr. S.M.Khairnar)


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CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2021-22

Semester: II

Subject: Engineering Mathematics - II

Class: FE Div: C

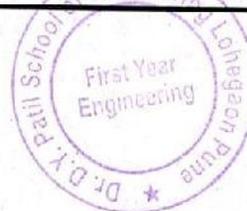
Name of Subject Teacher: Dr. S.M.Khairnar

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	-	-	-	-	-	-	-	-	-	-	-	-	-
Round d off		2	2													

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


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

936

**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
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Academic Year: 2020-2021

	<p>Empowerment Through Quality Technical Education</p> <p>Dr. D. Y. Patil School of Engineering</p> <p>Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412 105 Website: https://dypsoe.in/</p> <p>Department of Computer Engineering</p>
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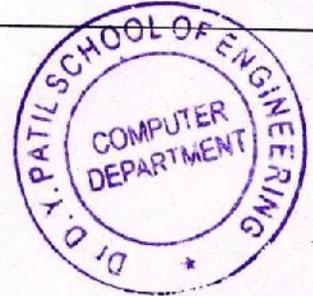
Course Outcomes (COs): Form No. IQAC/36

Academic Year.: 2020-21 Semester: 1
 Subject: Computer Network Class: TE
 Name of Subject Teacher: Prof. Amruta Chitari 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 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"

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
 Lohegaon, Pune

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



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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

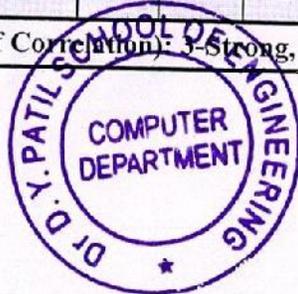
Semester: 1

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

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Dr. D. Y. Patil Technical Campus
Lohegaon Charholi Bk Pune

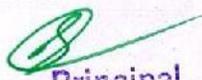


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Engineering, Lohegaon, Pune

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.




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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 crytographics & 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.



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Prof. Amruta Chitari
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Principal
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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

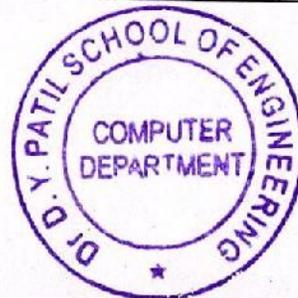
Div: A

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 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. Amruta Chitari
Subject Teacher



Dr. Pankaj Agarkar
HOD

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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

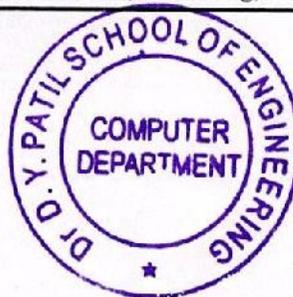
Name of Subject Teacher: Prof. Amruta Chitari

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

Amruta

Prof. Amruta Chitari
Subject Teacher



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HOD

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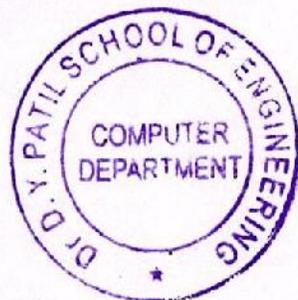
Ajeenkya

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Engineering, Lohegaon, Pune



Justification for CO-PO Mapping.

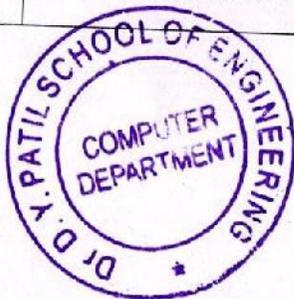
CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	2	Moderately having the knowledge of engineering fundamentals, and an engineering specialization for analyzing System Software and its functionality
	PO2	2	Students can moderately able to analyze System Software by recognizing the need for, 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 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.
CO-3	PO1	2	Moderately having the Knowledge of the different Loading Scheme and analyze the performance of linker and load
	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.




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	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
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.

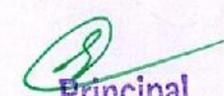

Prof. Amruta Chitari
Subject Teacher




Dr. Pankaj Adarkar
HOD

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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:--

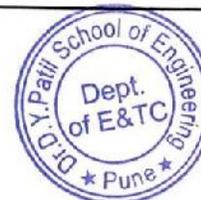
Name of Subject Teacher: Dr. Rashmi Mahajan

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]

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Website: <https://dypsoc.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



[Signature]

H.O.D.

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



[Signature]
Principal

Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune



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

Department of Civil Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2020-21

Semester: 6

Subject: Advanced Surveying

Class: TE

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.



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Empowerment Through Quality Technical Education

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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

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

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 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%)			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)
			UT1	UT 2	UT 3	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW								
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 Criteria ->			Marks >=60: Level 3					Marks >=50: Level 2				Marks >=40: Level 1				Avg. Attainment of PO-1 2.67			

Aniket v. Nemade
 Subject Teacher

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

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



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Empowerment Through Quality Technical Education
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 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

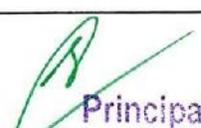
Class:BE

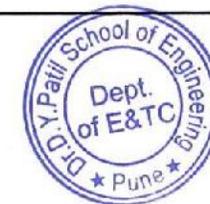
Div:NA

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



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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
Round 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

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





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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 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"



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 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

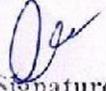
Class:

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 Technical Campus
 Lohegaon Charholi Bk Pune 412105


 Principal
 Ajeenkya DY Patil School of
 Engineering, Lohegaon, Pune

Academic Year : 2019-2020



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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



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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. 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	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



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HoD
Dr. S.M. Khairnar

Sem-II, AY 2019-20



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Department of First Year Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2019-20

Semester: II

Subject: Engineering Mathematics - II

Class: FE

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
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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 Corellation



Subject teacher
Mr. R/D Katkade



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HoD
Dr. S.M.Khairnar



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Department of First Year Engineering

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 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

Class: FE Div: C

CO No.	Statement of COs	Bloom's Taxonomy	Direct Assessment (Internal) (20%)						Direct Assessment (External) (20%) University Exams				Direct Assessment (DA)	Indirect Assessment (IDA)		CU Attainment	POs												PSOs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			Unit Test (20%)			CA (10%)			Subject Result (40%)		PR/OR/TW (10%)			Mapping of (20% Internal tests-10% Continuous Assessment +40% Univ. result(CEI)- 10% Unif. oral result	Course Exit Survey		Mapping	Weightage (80% DA- 20% IDA)	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	PO1007	PO1008	PO1009	PO1010	PO1011	PO1012	PO1013	PO1014	PO1015	PO1016	PO1017	PO1018	PO1019	PO1020	PO1021	PO1022	PO1023	PO1024	PO1025	PO1026	PO1027	PO1028	PO1029	PO1030	PO1031	PO1032	PO1033	PO1034	PO1035	PO1036	PO1037	PO1038	PO1039	PO1040	PO1041	PO1042	PO1043	PO1044	PO1045	PO1046	PO1047	PO1048	PO1049	PO1050	PO1051	PO1052	PO1053	PO1054	PO1055	PO1056	PO1057	PO1058	PO1059	PO1060	PO1061	PO1062	PO1063	PO1064	PO1065	PO1066	PO1067	PO1068	PO1069	PO1070	PO1071	PO1072	PO1073	PO1074	PO1075	PO1076	PO1077	PO1078	PO1079	PO1080	PO1081	PO1082	PO1083	PO1084	PO1085	PO1086	PO1087	PO1088	PO1089	PO1090	PO1091	PO1092	PO1093	PO1094	PO1095	PO1096	PO1097	PO1098	PO1099	PO1100	PO1101	PO1102	PO1103	PO1104	PO1105	PO1106	PO1107	PO1108	PO1109	PO1110	PO1111	PO1112	PO1113	PO1114	PO1115	PO1116	PO1117	PO1118	PO1119	PO1120	PO1121	PO1122	PO1123	PO1124	PO1125	PO1126	PO1127	PO1128	PO1129	PO1130	PO1131	PO1132	PO1133	PO1134	PO1135	PO1136	PO1137	PO1138	PO1139	PO1140	PO1141	PO1142	PO1143	PO1144	PO1145	PO1146	PO1147	PO1148	PO1149	PO1150	PO1151	PO1152	PO1153	PO1154	PO1155	PO1156	PO1157	PO1158	PO1159	PO1160	PO1161	PO1162	PO1163	PO1164	PO1165	PO1166	PO1167	PO1168	PO1169	PO1170	PO1171	PO1172	PO1173	PO1174	PO1175	PO1176	PO1177	PO1178	PO1179	PO1180	PO1181	PO1182	PO1183	PO1184	PO1185	PO1186	PO1187	PO1188	PO1189	PO1190	PO1191	PO1192	PO1193	PO1194	PO1195	PO1196	PO1197	PO1198	PO1199	PO1200	PO1201	PO1202	PO1203	PO1204	PO1205	PO1206	PO1207	PO1208	PO1209	PO1210	PO1211	PO1212	PO1213	PO1214	PO1215	PO1216	PO1217	PO1218	PO1219	PO1220	PO1221	PO1222	PO1223	PO1224	PO1225	PO1226	PO1227	PO1228	PO1229	PO1230	PO1231	PO1232	PO1233	PO1234	PO1235	PO1236	PO1237	PO1238	PO1239	PO1240	PO1241	PO1242	PO1243	PO1244	PO1245	PO1246	PO1247	PO1248	PO1249	PO1250	PO1251	PO1252	PO1253	PO1254	PO1255	PO1256	PO1257	PO1258	PO1259	PO1260	PO1261	PO1262	PO1263	PO1264



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

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2019-2020

Semester:I

Subject:Computer Networks

Class: T.E.

Div:B

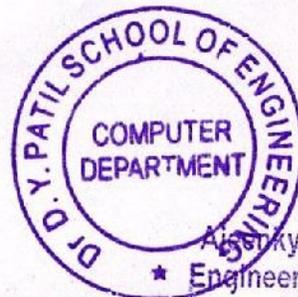
Name of Subject Teacher: Prof.Prof.Amruta Chitari

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



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

[Signature]
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



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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

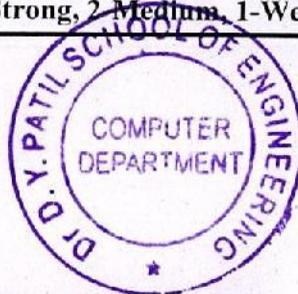
Name of Subject Teacher: Prof. Prof. Amruta Chitari

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

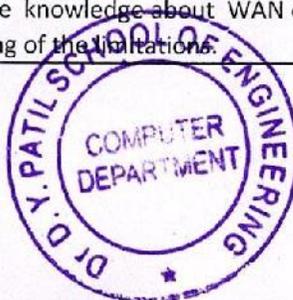


Dr. Pankaj Agarkar
Head of the Department
Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi (Bk), Pune - 412 105

Principal
Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune

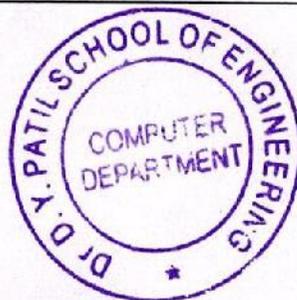
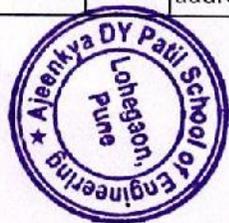
Justification for CO-PO Mapping.

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.




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	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

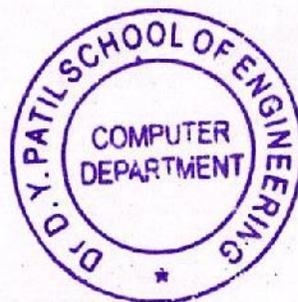


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	PSO1	1	Slightly the student will have ability to understand, analyze and develop subnetting in the area of computer network for efficient design of computer-based systems of varying.
	PSO2	1	Slightly student Knowledge of routing concepts contribute skills in computing and knowledge
CO-5	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.
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
	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.
	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

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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

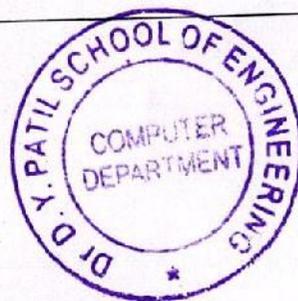
Name of Subject Teacher:Prof. Pallavi Shimpi

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"



Pallavi
Prof. Pallavi shimpi
Subject Teacher



Pankaj
Dr. Pankaj Agarkar
HOD

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Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Semester: II

Class: TE

Div: B

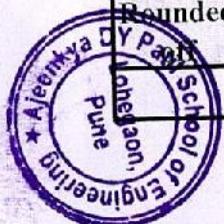
Academic Year: 2019-20

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

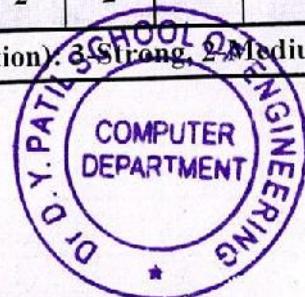
Name of Subject Teacher: Prof. Pallavi Shimpi

PO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-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
Bounded		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

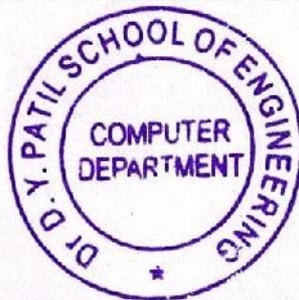


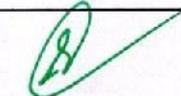
Head of the Department
Department of Computer Engineering,
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk, Pune - 412105

Principal
Ajeenkya DY Patil School of Engineering, Lohegaon, Pune

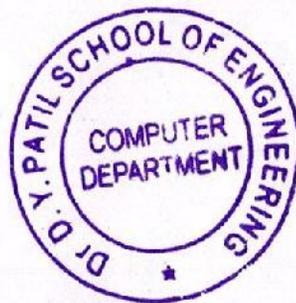
Justification for CO-PO Mapping.

CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	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.



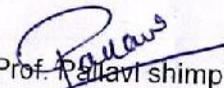

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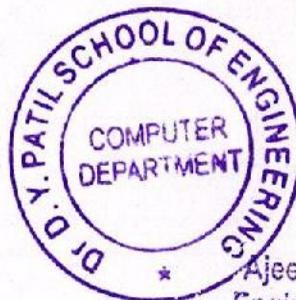
CO-3	PO1	2	Moderately having the Knowledge of the different Loading Scheme and analyze the performance of linker and loader
	PO2	2	Moderately the student will Identify, formulate concept of loader and linker using various methods.
	PO3	1	Slightly the student using the knowledge of different types of 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.



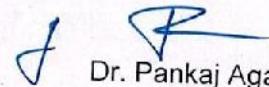

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CO-5	PO1	2	Moderately having the Knowledge of the fundamental concepts of deadlock and concurrency issues that helps in solving complex problems.
	PO2	2	Moderately the student will analyze possible ways that generate the dealock situation in operating 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. 
Subject Teacher




Principal
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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



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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 Assesment]

Form No. IQAC/36

Academic Year: 2019-20

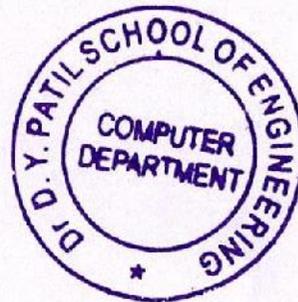
Subject: Machine Learning

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



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 Website: <https://ajpsoc.ac>
 Department of Computer Engineering Form No. IQAC/26

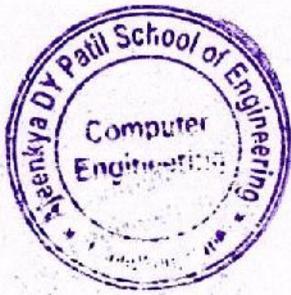
Sr. No.	Class (Obj) & Subject	CO No.	CO Attainment	PO1 Attainment	PO2 Attainment	PO3 Attainment	PO4 Attainment	PO5 Attainment	PO6 Attainment	PO7 Attainment	PO8 Attainment	PO9 Attainment	PO10 Attainment	PO11 Attainment	PO12 Attainment	PO13 Attainment	PO14 Attainment	PO15 Attainment	PO16 Attainment	PO17 Attainment	PO18 Attainment	PO19 Attainment	PO20 Attainment	PO21 Attainment	PO22 Attainment	PO23 Attainment	PO24 Attainment	PO25 Attainment		
1	M.E. Machine Learning	CO-1	2.45	2.99	2.99	3.00		3.00	3.00		2.60	2.90	2.60	2.90																
		CO-2	2.49	3.00	3.00	2.90	2.90	3.00	3.00		2.80	3.00	2.90	3.00																
		CO-3	2.49	3.00	3.00	2.90	3.00	3.00	3.00		2.90	3.00	3.00	3.00																
		CO-4	2.49	3.00	3.00	3.00	3.00	3.00	3.00		3.00	3.00	3.00	3.00																
		CO-5	2.48	3.00	3.00	2.90	3.00	3.00	3.00		3.00	3.00	3.00	3.00																
		CO-6	2.48	3.00	3.00	2.90	3.00	3.00	3.00		3.00	2.90	2.90	3.00																
			Avg. Attainment																											
			3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	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
 Ms. Anu Mahajan

Signature
 Head of Department
 Dr. Pankaj Agarkar

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

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Ajeenkya DY Patil School of
Engineering, Lohegaon, Pune





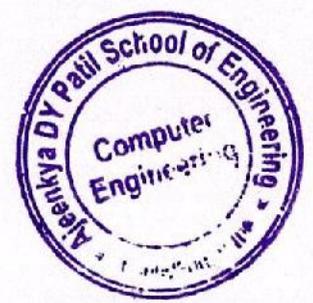
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 Charholi (Bk), Lohegaon, Pune - 412 105
 Website: <https://dyson.in/>
 Department of Computer Engineering Form No. IQAC/36

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		PO13 Attainment		PO14 Attainment		PO15 Attainment														
			Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual															
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	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	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	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	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	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	3.00	3.00	3.00	3.00	3.00	3.00												
			Avg. Attainment of PO-1	3.00		Avg. Attainment of PO-2	3.00		Avg. Attainment of PO-3	3.00		Avg. Attainment of PO-4	3.00		Avg. Attainment of PO-5	3.00		Avg. Attainment of PO-6	3.00		Avg. Attainment of PO-7	3.00		Avg. Attainment of PO-8	3.00		Avg. Attainment of PO-9	3.00		Avg. Attainment of PO-10	3.00		Avg. Attainment of PO-11	3.00		Avg. Attainment of PO-12	3.00		Avg. Attainment of PO-13	3.00		Avg. Attainment of PO-14	3.00		Avg. Attainment of PO-15	3.00	


 Signature
 Subject Teacher
 Mrs. Anita Malojia


 Signature
 Head of Department
 Dr. Pankaj Agarwal

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





Principal
 Ajeenkya DY Patil School of
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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

Prof. Swati Khawate

Subject Teacher

Dr. S. M. Koli

HoD

Head

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



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Academic Year : 2018-2019

Sem-I, AY 2018-19

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Course Outcomes (COs):		Form No. IQAC/36
Academic Year.: 2018-19		Semester: I
Subject: Engineering Mathematics - I		Class: FE
Name of Subject Teacher: Mr. Rahul Kumar D Katkade		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 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



HoD
Mr. S.M. Khairnar

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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



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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

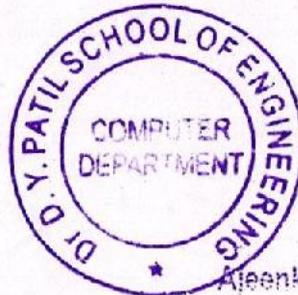
Name of Subject Teacher: Prof.Amruta Chitari

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 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"



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



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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

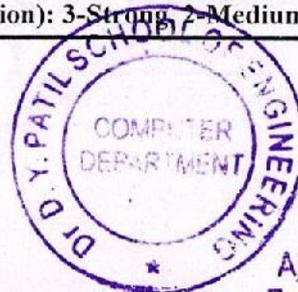
Div: A

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	-
Round 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 Corellation

Prof. Amruta Chitari
Subject teacher



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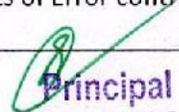
Dr. Soumitra Das
HOD
Head of the Department,
Department of Computer Engineering,
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Lohegaon, Charholi Bk, Pune - 412105

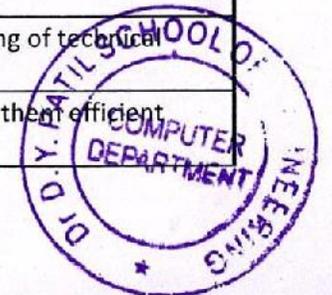


Justification for CO-PO Mapping.

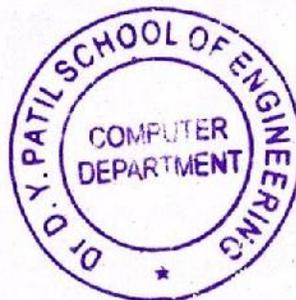
CO No.	PO/PSO Mapped	Level	Justification of Mapping
CO-1	PO1	1	Slightly having the Knowledge of the fundamental concepts of computer networks and its application that helps in solving complex engineering problems
	PO3	1	Slightly the student using the knowledge of computer architecture concepts, we can 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.

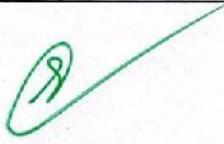



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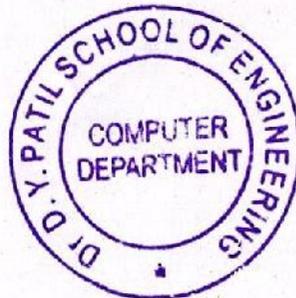
CO-3	PO1	3	Strongly the student will know Principles of mathematics and engineering sciences are used in various aspects of router architecture , IP & routing algorithm
	PO3	2	Moderately having Knowledge of routing algorithm can be used to conduct experiments in real life problems to provide valid conclusions
	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.




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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 mappedd 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 crytographics & 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

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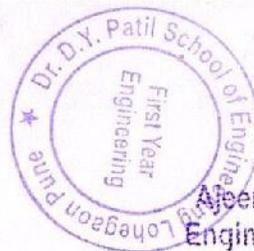
Sem-II, AY 2018-19

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Course Outcomes (COs):		Form No. IQAC/36
Academic Year.: 2018-19		Semester: II
Subject: Engineering Mathematics - II		Class: FE
Name of Subject Teacher: Mr. Rahulkumar D Katkade		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 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
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Engineering, Lohegaon, Pune

HoD
Dr. S.M.Khairnar



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Department of First Year Engineering

Dr. D.

Department

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Semester: II

Subject: Engineering Mathematics - 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



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HoD
 Dr. S.M.Khairnar



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 Website: <https://ajpscoe.in/>
 Department of First Year Engineering Form No. IQAC/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	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. Rahulkumar D Katkade



HoD
 Dr. S.M.Khairnar



Principal
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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 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. Amruta Chitari
Subject Teacher



Dr.Pankaj Agarkar
HOD

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Lohegaon Charholi Bk Pune 412105

Principal
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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
Standard Dev		2	2	2	2								1	2	2	1

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



Amruta
Prof. Amruta Chitari
Subject Teacher



Pankaj
Dr. Pankaj Agarkar
HOD

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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 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.
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.

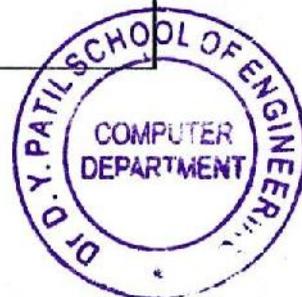



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	PSO1	1	students Slightly able to compare different algorithms related to system software.
CO-4	PO1	2	Moderately Implement process scheduling algorithm that helps in solving complex engineering problems related to operating system.
	PO2	1	Slightly 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
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.


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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

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Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2018-19

Semester: II

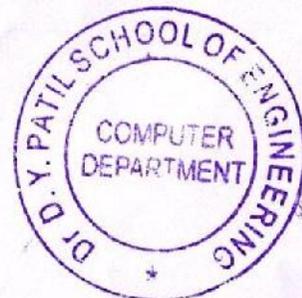
Subject: Machine Learning

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



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Handwritten notes on a pink sticky note: "Ajeenkya DY Patil School of Engineering, Lohegaon, Pune"



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CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2018-19

Semester: II

Subject: Machine Learning

Class: M.E

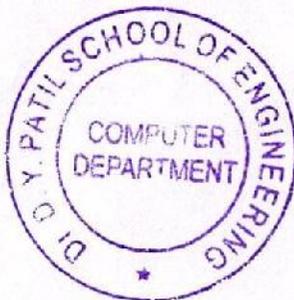
Name of Subject Teacher: Dr. Pankaj Agarkar

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
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 Dr. D. Y. Patil Technical Campus
 Via Lohegaon, Charholi (Bk) Pune - 412105

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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

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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

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 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 



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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

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