

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

Ajeenkya D Y Patil Group of Institution's Technical Campus

Dr D Y PATIL SCHOOL OF ENGINEERING

(Approved by AICTE, New Delhi Recognized by Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University) AISHE Code: C-46648 DTE Code: EN6732 SPPU PUN Code: CEGP015720

(Accredited by NAAC)

A.Y. 2021-22

Criteria 2.6.2- Attainment of Programme outcomes and course outcomes are evaluated by the institution

Attached samples of documents which shows

a) Continuous internal evaluation for calculating the attainment of COs, POs & PSOs.

Ðr. F. B. Sayyad

Principal Principal

Dr. D. Y. Patil School of Engineering

Lohegaon, Pune. Enclosed: Records of activity done.



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

	Plaamia Tawanama Lami				
<u> </u>	Bloom's Taxonomy Levels Form No. IQAC/36				
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	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)				
	1				
6-Create Produce new or original work (Design, assemble, construct, conjecture, develop, formulate, author, investigate)					

Prof. Amruta Chitari Subject Teacher



Dr. P.M .Agarkar HoD



Dr. D. Y. Patil School of Engineering

Charholi (Bk),

Div: A

Website: https://dypsoe.in/

Department of Computer Engineering

Class:TE

Form No. IQAC/36 **Course Outcomes (COs):** Academic Year.: 2021-22 Semester: II

Subject: Data Science and Big Data Analytics Name of Subject Teacher: Prof. Amruta Chitari

Dr. D. Y. Patil Knowledge City,

Lohegaon, Pune - 412 105

Name of Subject Teacher, 1101. Amituta Cintari					
CO No.	BT level	Students will be able to			
CO-1	4-Analyze	yze needs and challenges for Data Science Big Data Analytics			
CO-2	3-Apply	Apply statistics for Big Data Analytics			
CO-3	3-Apply	Apply the lifecycle of Big Data analytics to real world problems			
CO-4	6-Create	Implement Big Data Analytics using Python programming			
CO-5	6-Create	Implement data visualization using visualization tools in Python programming			
CO-6	6-Create	Design and implement Big Databases using the Hadoop ecosystem			

Prof. Amruta Chitari Subject Teacher



Dr. P.M .Agarkar



Dr. D. Y. Patil School of Engineering

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

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

Dr.

Department of Computer Engineering

	Department of Computer Engineering					
	Program Outcomes (POs):	Form No. IQAC/36				
Engine	ering Graduates will be able to:					
1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamental specialization to the solution of complex engineering problems.	s, and an engineering				
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering conclusions using first principles of mathematics, natural sciences, and engineering sciences.	problems reaching substantiated				
3	Design/development of solutions: Design solutions for complex engineering problems and desig processes that meet the specified needs with appropriate consideration for the public health and safety, environmental considerations.	n system components or and the cultural, societal, and				
4	Conduct investigations of complex problems: Use research-based knowledge and research mexperiments, analysis and interpretation of data, and synthesis of the information to provide valid conditions.					
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.					
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess socie cultural issues and the consequent responsibilities relevant to the professional engineering practice.	etal, health, safety, legal and				
7	Environment and sustainability: Understand the impact of the professional engineering solution contexts, and demonstrate the knowledge of, and need for sustainable development.	ns in societal and environmental				
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of t	the engineering practice.				
9	Individual and team work: Function effectively as an individual, and as a member or leader in d multidisciplinary settings.	iverse teams, and in				
10	Communication: Communicate effectively on complex engineering activities with the engineering large, such as, being able to comprehend and write effective reports and design documentation, make e and receive clear instructions.	community and with society at ffective presentations, and give				
11	Project management and finance: Demonstrate knowledge and understanding of the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the standard of the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciple and the engineering apply the engineering apply the engineering and the engineering apply the engin	plinary environments.				
12	Life-long learning: Recognize the need for, and herethe propagation and ability to engage in indep the broadest context of technological change.	pendent and life-long learning in				
rof. Amr		ider.Magakapartment tenthoDComputer Engineering (Pauli School of Engineering				

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HeadDoP.MAgaRepartment
DepartmentHoDComputer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus



Dr. D. Y. Patil School of Engineering

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

Department of Computer Engineering

		Program Specific Outcomes (PSOs):	Form No. IQAC/36				
PSO-1	PSO-1 Professional Skills-The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying.						
PSO-2	O-2 Problem-Solving Skills- The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.						
	•						
PSO-3		Career and Entrepreneurship- The ability to employ modern computer languages, environments, and career paths to be an entrepreneur, and a zest for higher studies.	platforms in creating				

Prof. Amruta Chitari Subject Teacher



Dr. P.M .Agarkar HoD

Head of the Department



Academic Year: 2021-22

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

Website: https://dypsoe.in/

Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36 Semester: II

Class: TE Div:A

Subject: Data Science and Big Data Analytics

Name of S	Subject Teache	r: Prof.	Amrut	a Chit	ari	Market in Address		500000000000000000000000000000000000000	Access Access to the	ACCESSED TO ANY	300000000000000000000000000000000000000	second policy	The control of the	The State of the S	Manual Page	SHEET SHEET
PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	P09	P O 10	P 0 11	PO12	PSO1	PSO2	PSO3
CO-1	4-Analyze	1	3	2	1					1			1	2	200	
CO-2	3-Apply	1	2	1	2		1			1			1	1		
CO-3	3-Apply	2	1	2	1		1			1			1	1		
CO-4	6-Create	1	2	2	2	2				1	A 4	5	1	1	2	
CO-5	6-Create	1	2	2	1	2	1			1			ıİ.	1	2	(all a)
CO-6	6-Create	1	2	1	2	2				1			1	2	2	
Average		1.17	2.00	1.67	1.50	2.00	1.00	2 -	-	1.00	-		1.00	1.33	2.00	- 1
Rounde d off		2	2	2	2	2	1			1			1	2	2	

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

Justification for CO-PO Mapping.

COMPUTER DEPARTMENT

CO No.	PO/PSO	Level	The second secon
	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	Moderatly students will be able to design solutions for various need & Challenges of Big Data
CO-1	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
	PO1	1	Slightly students will be able to apply the knowledge of baisc mathematics into statistics for Big Data Analytics for solving engineeing 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
GO 4	PO4	1	Slightly the student using the knowledge of linear Data Structures concepts, we can design and develop solutions for complex engineering problems
CO-2	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	_	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		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
	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

~			Slightly having Knowledge of ecycle of big data analytics can be used to concert experiments in real life	
CO-3	PO4	1	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	<u> </u> -
	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	
	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	
CO-4	PO5	2	Moderately the students will study different tools used to implement big data analytics	
0-4	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	SCHOOL ON
	PO1	1	Slightly having the Knowledge of the fundamental data visualization that helps in solving complex engineering problems	COMPUTER DEPARTMENT
	PO2		Strongly the student will know the principles of mathematics and engineering sciences used in various aspects of data visualization	DEPARTMENT IN
				0.

	PO5	1	Slightly the students having * knowledge about data visualization technique sources, data visualization tools to analyze complex engineering activities with an understanding of the limitations.
CO-5	P 07	1	Slightly the student can understand the use of data visuality
	PO8	1	Slightly the students will apply data visualization techniques to ethical principles and commit to profession ethics and responsibilities and norms of the engineering practice.
	PSO1	1	Weakly students learns various approaches and acquire skills to design, analyse and implement data visualization tools.
	PSO2	2	Moderately student Knowledge of data visualization concepts contribute skills in computing and knowledge engineering domain
	PO1	1	Strongly student will be able to compare study of different feature selection techniques that helps in involves solving complex engineering problems
	PO3	2	Moderately having Knowledge of big database & hadoop can be used to conduct experiments in real life problems to provide valid conclusions
	PO4	1	Knowledge can be used to design & conduct experiment to provide conclusion.
CO-6	P06	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 & implementation of Big Databases will help to acquire skills to design, analyse and develop algorithms and implement them using Hadoop ecosystem
	PSO2	2	Moderately having knowledge of Hadoop can contribute skills in computing and knowledge engineering domain



HoD

Dr. P.M .Agarkar



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FUTANE GANESH DINKAR

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Department of Computer Engineering

	2 1 1 1 1 1 1 1 1 1 1	inputer E	ngineer	mg				
Summative '	Test Marks Direct Assesment-In	ternal]	For	m No. IQAC/36				
Summative Test				Date: 7/2/2022				
Academic Year: 2				Semester:II				
Subject: Data Se	ience and Big Data Analytics			Max. Marks:20				
Name of Subject	ame of Subject Teacher: Prof. Amruta Chitari Class:							
	CO Addressed	Cinssi	TE CO	Div:A				
	Marks	Marks Obtained	Marks Out of	Mapping level				
Roll No.	Name of student	20	10					
A-1	ADAGALE KUNAL DEEPAK	16	8	3				
A-2	ADARSH KUMAR JHA	19	10	3				
A-3	ADARSH RAI	19	10	3				
A-4	ADE SAHADEV SUKHADEV	AB	NA	NA NA				
A-5	ADITYA SHIVAJI BHOR	15	8	3				
A-6	ADITYA SINHA	19	10	3				
A-7	AKASH KANAR	14	7	3				
A-8	HARJOT KAUR	18	9	3				
A-9	ANIKET SANDEEP WANKHEDE	17	9	3				
A-10	ANJALI PARMAR	14	7	3				
A-11	ARYAN	13	7	3				
A-12	ATHARV RAJENDRA PATIL	16	8	3				
A-13	AYUSH BALIYAN	18	9	3				
A-14	BAHIRAT POOJA AVINASH	18	9	3				
A-15	BALJEET SINGH KATOCH	19	10	3				
A-16	BELGE ANUJA GOVINDRAO	15	8	3				
A-17	BHARATI SHIVAM SANJAY	16	8	3				
A-18	BHOSALE PRATIK RAMACHANDRA	16	8	3				
A-19	BHOSALE SHWETA RAJENDRA	18	9	3				
A-20	BOMBE KRUSHNAKANT RAMESH	15	8	3				
A-21	BORKAR RUPESH DATTATRAY	19	10	3				
A-22	CHAUDHARI SUYOG JITENDRA	AB	NA	NA				
A-23	CHAUHAN KHUSHI YASHWANTRAO	13	7	3				
A-25	CHAVAN PRANOTI HANUMANT	12	6	3				
A-26	CHHATRABAND NIKHIL RAJESH	15	8	3				
A-27	CHINCHWALATPUKE SIDDHESH	19	10	3				
A-28	CHORDIYA RIYA NILAM	18	9	3				
A-29	CHOUGHULE RAHUL DASHRATH	AB	NA					
A-30	CHRISTOPHER	18	9	NA 2				
A-31	DESHMUKH SHIVAM ASHOK	15	8	3				
A-32	DHAMAL MAYANK PRASHANT	18	9	3 SCH				
A-33	DUBUKWAD SHIVRATNA SHIVLING	18	9	No.				
A-34	FARANDE ABHISHEK VITTHAL			TO COA				
A-34	CUTANG CANDON	15	8	>3 DEPAR				

18

A-36	GADGE PRANAV ASHOK	19	10	3
A-37	GAIKWAD MANSI SANJAY	18	9	3
A-38	GAIKWAD SHUBHAM SUBHASH	17	9	3
A-39	GAWALI ANAND GORAKH	18	9	3
A-40	HARI SHANKAR BHUYAN	16	8	3
A-41	HEMADE VAISHNAVI BHASKAR	16	8	3
A-42	HIWRALE PRATIK RAJU	17	9	3
A-43	INGLE KIRAN VIJAY	16	8	3
A-44	ISHIKA SINHA	19	10	
A-45	JADHAV PRATHAMESH SURESH	19	10	3
A-46	JAGTAP RUTUJA BHAUSAHEB	14	7 7	3
A-47	JAMAL KIARA AMIR	_		3
A-48	JOSHI YASH GIRISH	16	8	3
A-49	KADAM ADITYA AVINASH	18	9	3
A-50	KADAM PRAJAKTA BHARAT	4	2	0
A-51	KAMBLE POOJA ANANT	16	8	3
A-52		16	8	3
A-53	KAMDI PRAJWAL MILINDKUMAR	18	9	3
A-54	KANADE PRATIKSHA SANTOSH	17	9	3
A-55	KANCHANGIRE SHUBHAM	19	10	3
A-56	KANDGE VIPUL GORAKH	17	9	3
	KAPOOR VANSHIKA SHASHI	16	8	3
A-57	KARAN KAUL	15	8	3
A-58	KARIMKHAN MOHIUDDIN MASOOD	18	9	3
A-59	KHAMKAR AKASH JITENDRA	19	10	3
A-60	KIRAN KISAN CHAVAN	15	- 8	3
A-62	MAHANT GOPI GOURDAS	19	10	3
Ą-63	MALI AJAY VINOD	17	9	3
A-64	MANE AKSHADA BANSILAL	16	8	3
A-65	MANE PALLAVI ANIL	16	8	3
A-66	KIRAN DEVASI	17	9	3
A-67	CHETAN DINESH NAGANE	19	10	3
A-68	YADAV ABHISHEK PRADIP	19	10	3
A-69	YASH DINKAR BAHIRAT	AB	NA	NA
A-70	CHOUDHARY JYOTI	13	7	3
A-71	PATIL ADITYA LALIT	19	10	3
A-72	KASHISH RAJIV KUMAR	19	10	3
A-73	PRANALI CHAUDHARI	13	7	3
A-74	ROHIT KUMAR	19	10	3
A-75	AMAN ATTAR	18	9	3
A-76	MUSKAN KASHINATH SAWANT	19	10	3
A-77	BATTULA SUSHMA LAXMINARAYANA	18	9	3
Å-78	HIMANSHU AGARWAL	16	8	3
A-79	ROHAN PAWAR	17	9	3
A-80	GOURAV SUNIL MAHAJAN	13	7	3
A-81	OMKAR SHARAD NANDODE	18	9	3
A-82	SHUBHAM GHADGE	17	9	3
A-83	SANDHYA RANMALE	16	8	3
A-84	ASHAR SHAIKH	17	9	3 3 CHOOL OF E
A-85	ARBAZ SAYYED	19	10	15
A-86	MAYUR KONDHARE	19	10	COMPUTER
A-88	NIKHILRAJ DESALE	AB	NA	MA DEPARTMENT
A-89	SHRINATH KADAM	14	7	3.
A-90	KOUSTUBH JUVEKAR	19	10	3

A-91	ROHAN AWATE	16	8 [3
A-92	KETAN MHASKE	AB	NA	NA
A-93	SIDDHARTH GAIKWAD	18	9	3
A-94	PUSHPANJALI DABADE	19	10	3
Total no	of students attempted the question	85	43	
Total no	of students securing more than 60%		1	84
Total no	of students securing more than 50%			04
Total no	of students securing more than 40%			0
	Percentage		98.8	2
	CO Addressed		CO-	1

Criteria (marks Obtained)	Mapping Level
>=60%	3
>=50%	2
>=40%	1

CO Adderessed	Avg	Mapping
CO1	98.82	3
CO2		
CO3		
CO4	NOT Ad	dressed
CO5		
CO6		

Dr. P.M Agarkar HoD





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Department of Computer Engineering

	Department o	i Compu	ter Enginee	ering	
	Test Marks [Direct Assesment-In	ternal]	Form N	lo. IQAC/36	
	t Number: 1			Date: 22/0	
	c Year: 2021-22			Semester:	
Subject:	Data Science and Big Data Analytics			Max. Mar	
Name of	Subject Teacher: Prof. Amruta Chitari	Class: TE	-	Div: A	113720
	Question Number		Or Q.2		r Q.4
	CO Addressed		CO2		03
	Marks	10	Mapping level	10	Mappin g level
Roll No.	Time of the Student	Marks	Obtained	Marks (btained
A-1	ADAGALE KUNAL DEEPAK	9	3	9	3
A-2	ADARSH KUMAR JHA	9	3	9	3
A-3	ADARSH RAI	9	3	9	3
A-4	ADE SAHADEV SUKHADEV	8	3	8	3
A-5	ADITYA SHIVAJI BHOR	9	3	9	3
A-6	ADITYA SINHA	9	3	9	3
A-7	AKASH KANAR	7	3	7	3
A-8	HARJOT KAUR	9	3	9	3
A-9	ANIKET SANDEEP WANKHEDE	10	- 3	10	3
A-10	ANJALI PARMAR	8	3	8	3
A-11	ARYAN	7	3	7	3
A-12	ATHARV RAJENDRA PATIL	9	3	9	3
A-13	AYUSH BALIYAN	9	3	9	3
A-14	BAHIRAT POOJA AVINASH	10	3	10	3
A-15	BALJEET SINGH KATOCH	10	3	10	3
A-16	BELGE ANUJA GOVINDRAO	8	3	8	3
A-17	BHARATI SHIVAM SANJAY	10	3	10	3
A-18	BHOSALE PRATIK RAMACHANDRA	9	3	9	3
A-19	BHOSALE SHWETA RAJENDRA	7	3	7	3
	BOMBE KRUSHNAKANT RAMESH	9	3	9	3
	BORKAR RUPESH DATTATRAY	10	3	10	3
	CHAUDHARI SUYOG JITENDRA	9	3	9	3
	CHAUHAN KHUSHI YASHWANTRAO	8	_ 3	8	3
	CHAVAN PRANOTI HANUMANT	8	3	8	3
	CHHATRABAND NIKHIL RAJESH	8	3	8	3
	CHINCHMALATPURE SIDDHESH SAND	10	3	10	3
	CHORDIYA RIYA NILAM	8	3	8	3
	CHOUGHULE RAHUL DASHRATH	8	3	8	3 SCHC
	CHRISTOPHER	9	3	9 /	3
	DESHMUKH SHIVAM ASHOK	9	3	9	COMP
	DHAMAL MAYANK PRASHANT	10	3	10	OF BURN
	DUBUKWAD SHIVRATNA SHIVLING	9	3	9	3
	FARANDE ABHISHEK VITTHAL	8	3	8	3
	FUTANE GANESH DINKAR	10	3	10	*3
A-36	GADGE PRANAV ASHOK	9	3	9	3

A 27	CAIVWAD MANGI CANIAV	0				1
A-37	GAIKWAD MANSI SANJAY	8	3	8	3	
A-38	GAIKWAD SHUBHAM SUBHASH	8	3	8	3	
A-39	GAWALI ANAND GORAKH	9	3	9	3	
A-40	HARI SHANKAR BHUYAN	8	3	8	3	
A-41	HEMADE VAISHNAVI BHASKAR	9	3	9	3	
A-42	HIWRALE PRATIK RAJU	7	3	7	3	
A-43	INGLE KIRAN VIJAY	10	3	10	3	
A-44	ISHIKA SINHA	8	3	8	3	
A-45	JADHAV PRATHAMESH SURESH	10	3	10	3	
A-46	JAGTAP RUTUJA BHAUSAHEB	8	3	8	3	
A-47	JAMAL KIARA AMIR	9	3	9	3	
A-48	JOSHI YASH GIRISH	9	3	9	3	
A-49	KADAM ADITYA AVINASH	7	3	7	3	
A-50	KADAM PRAJAKTA BHARAT	9	3	9	3	
A-51	KAMBLE POOJA ANANT	8	3	8	3	
A-52	KAMDI PRAJWAL MILINDKUMAR	10	3	10	3	
A-53	KANADE PRATIKSHA SANTOSH	8	3	8	3	
A-54	KANCHANGIRE SHUBHAM	10	3	10	3	
A-55	KANDGE VIPUL GORAKH	8	3	8	3	
A-56	KAPOOR VANSHIKA SHASHI	8	3	8	3	
A-57	KARAN KAUL	9	3	9	3	
A-58	KARIMKHAN MOHIUDDIN MASOOD	10	. 3		3	
A-59	KHAMKAR AKASH JITENDRA	10	3	10	3	
A-60	KIRAN KISAN CHAVAN	8	3	8	3	
A-62	MAHANT GOPI GOURDAS	9	3	9	3	
A-63	MALI AJAY VINOD	8	3	8	3	
A-64	MANE AKSHADA BANSILAL	8	3	8	3	
A-65	MANE PALLAVI ANIL	9	3	9	3	
A-66	KIRAN DEVASI	9	3	9	3	
A-67	CHETAN DINESH NAGANE	10	3	10	3	
A-68	YADAV ABHISHEK PRADIP	9	3	9	3	
A-69	YASH DINKAR BAHIRAT	8	3	8	3	
A-70	CHOUDHARY JYOTI	7	3	7	3	
A-71	PATIL ADITYA LALIT	10	3		3	
A-71	KASHISH RAJIV KUMAR	9	3	10 9	3	
A-73	PRANALI CHAUDHARI	8	. 3	8	3	
A-74	ROHIT KUMAR	10	3		3	
A-75	AMAN ATTAR	8	3	10	3	
A-76	MUSKAN KASHINATH SAWANT	8	3	8	3	
A-76 A-77	BATTULA SUSHMA LAXMINARAYANA	9	3	9	3	
	HIMANSHU AGARWAL	9	3	9	3	
A-78 A-79	ROHAN PAWAR	10	3		3	
	GOURAV SUNIL MAHAJAN	8	3	10	3	
A-80 A-81	OMKAR SHARAD NANDODE	8	3	8	3	
A-81 A-82	SHUBHAM GHADGE	9	3	9	3	
A-82 A-83	SANDHYA RANMALE	8	3	8	3	
A-83 A-84	ASHAR SHAIKH	9	3	9	2 S CO	HOO!
A-84 A-85	ARBAZ SAYYED	10	3		/QN	(0)
A-85 A-86	MAYUR KONDHARE	10	3	10	2 3 Soy	0, 111
A-88 A-88	NIKHILRAJ DESALE	10	3	10	0 (3°°°)	WER O
	SHRINATH KADAM	10	3	10		
A-89	KOUSTUBH JUVEKAR		3	10	3	NIBA
A-90	ROHAN AWATE	9		10	3	NIO
A-91	KUHAN AWATE	9	3	9	3	

A-92 KETAN MHASKE	10	3	10	2
A-93 SIDDHARTH GAIKWAD	9	- 3	0	3
A-94 PUSHPANJALI DABADE	10	3	10	3
Total no of students attempted the quest	ion 91		91	-
Total no of students securing more than	60%	91		91
Total no of students securing more than	50%	0		0
Total no of students securing more than	40%	0		0
Percentage	1	00.00	100	.00
CO Addressed		CO-2)-3

Criteria (marks Obtained	Mapping Level
>=60%	3
>=50%	2
>=40%	1

CO Adderessed	Avg	Mapping
CO1	NOT Ad	dressed
CO2	100.00	3
CO3	100.00	3
CO4		
CO5	NOT Ad	dressed
CO6		

Dr. P.M. Agarkar HoD





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

	Test Marks [Direct Assesment- Internal] Form No. IQAC/						
	est Number: 2		,	7	-		30/05/2022
	nic Year: 2021-22					Semes	
Subject	: Data Science and Big Data Analyti	C!					Marks:20
Name o	f Subject Teacher: Prof. Amruta Ch	ita		Class: 7	T E	Div: A	
	Question Number		Or Q.2		Or Q.4		Or Q.6
	CO Addressed		CO4		CO5	_	CO6
	Marks	10	Mapping level		Mapping level	+	Mappin g level
Roll No.	Time of the Student	Marks	Obtained	Marks	Obtained	Marks	Obtained
A-1	ADAGALE KUNAL DEEPAK	7	3	7	3	7	3
A-2	ADARSH KUMAR JHA	9	3	9	3	9	3
A-3	ADARSH RAI	9	3	9	3	9	3
A-4	ADE SAHADEV SUKHADEV	9	3	9	3	9	3
A-5	ADITYA SHIVAJI BHOR	10	3	10	3	10	3
A-6	ADITYA SINHA	9	3	- 9	3	9	3
A-7	AKASH KANAR	9	3	9	3	9	3
A-8	HARJOT KAUR	9	3	9	3	9	3
A-9	ANIKET SANDEEP WANKHEDE	9	3	9	3	9	3
	ANJALI PARMAR	8	3	8	3	8	3
A-11	ARYAN	9	3	9	3	9	3
A-12	ATHARV RAJENDRA PATIL	9	3	9	3	9	3
A-13	AYUSH BALIYAN	9	3	9	3	9	3
A-14	BAHIRAT POOJA AVINASH	10	3	10	3	10	3
A-15	BALJEET SINGH KATOCH	10	3	10	3	10	3
A-16	BELGE ANUJA GOVINDRAO	9	3	9	3	9	3
A-17	BHARATI SHIVAM SANJAY	10	3	10	3	10	3
A-18	BHOSALE PRATIK RAMACHANDR	9	3	9	3	9	3
A-19	BHOSALE SHWETA RAJENDRA	7		7		7	
A-20	BOMBE KRUSHNAKANT RAMESH	9	3	9	3	9	3
A-21	BORKAR RUPESH DATTATRAY	10	3	10	3	10	3
A-22	CHAUDHARI SUYOG JITENDRA	7	3	7	3	7	3
A-23	CHAUHAN KHUSHI YASHWANTR	10	3	10	3	10	3
A-25	CHAVAN PRANOTI HANUMANT	10	3	10	3	10	3
A-26	CHHATRABAND NIKHIL RAJESH	9	3	9	3	9	3
A-27	CHINCHMALATPURE SIDDHESH S	10	3	10	3	10	3
A-28	CHORDIYA RIYA NILAM	10	3	10	3	10	3
A-29	CHOUGHULE RAHUL DASHRATH	8	3	8	3	8	3
A-30	CHRISTOPHER	6	3	6		GINEE	
A-31	DESHMUKH SHIVAM ASHOK	6	3	6	3 /4	65	13
A-32	DHAMAL MAYANK PRASHANT	10	3	10	3/0/	() E E E E E E E E E E	B
A-33 I	DUBUKWAD SHIVRATNA SHIVLIN	9	3	9	3 0	D Y	3*1
A-34 I	FARANDE ABHISHEK VITTHAL	8	3	8	3 0	88 9	AT
	FUTANE GANESH DINKAR	8	3	8	1	0.8	. 3
A-36	GADGE PRANAV ASHOK	9	3	[†] 9	3	PAPIL	13

A-3	7 GAIKWAD MANSI SANJAY	0					
A-3		8	3	8	3	8	3
A-3			3	9	3	9	3
A-4		9	3	9	3	9	3
A-4		3	0	- 3	0	3	0
A-4		9	3	9	3	9	3
A-4		7	3	7	3	7	3
A-4		10	3	10	3	10	3
A-4:		9	3	9	3	9	3
A-40	JAGTAP RUTUJA BHAUSAHEB		3	10	3	10	3
A-4	JAMAL KIARA AMIR	8	3	8	3	8	3
A-48		9	3	9	3	9	3
A-49		9	3	9	3	9	3
A-50	KADAM PRAJAKTA BHARAT	10	3	10	3	10	3
A-51	KAMBLE POOJA ANANT	9	3	9	3	9	3
A-52		8	3	8	3	8	3
A-53	KANADE PRATIKSHA SANTOSH	_	3	10	3	10	3
A-54	KANCHANGIRE SHUBHAM	8	3	8	3	8	3
A-55	KANDGE VIPUL GORAKH	8	3	₊ 8	3	8	3
A-56		8	3	8	3	8	3
A-57	KARAN KAUL	10	3	10	3	10	3
A-58		6	3	9	3	9	3
A-59		8	3	6	3	6	3
A-60		9	3	8	3	8	3
A-62		9	3	9	3	9	3
A-63		10	3	9	3	9	3
A-64		8	3	8	3	10	3
A-65	MANE PALLAVI ANIL	9	3	9	3	8	3
A-66		9	3	9	3	9	3
A-67	CHETAN DINESH NAGANE	10	3	10	3	9	3
A-68	YADAV ABHISHEK PRADIP	9	3	9	3	10	3
A-69	YASH DINKAR BAHIRAT	10	3	10	3	9	3
A-70	CHOUDHARY JYOTI	5	2	7 5	2	5	3
A-71	PATIL ADITYA LALIT	10	3	10	3	10	3
A-72	KASHISH RAJIV KUMAR	9	3	9	3	9	3
A-73	PRANALI CHAUDHARI	8	3	8	3	8	3
A-74	ROHIT KUMAR	8	3	8	3	8	3
A-75	AMAN ATTAR	6	3	6	3	6	3
A-76	MUSKAN KASHINATH SAWANT	8	3	8	3	8	3
A-77	BATTULA SUSHMA LAXMINARAY	9	3	9	3	9	3
A-78	HIMANSHU AGARWAL	9	3	9	3	9	3
A-79	ROHAN PAWAR	10	3	10	3	10	3
A-80	GOURAV SUNIL MAHAJAN	8	3	8	3	8	3
A-81	OMKAR SHARAD NANDODE	8	3	8	3	8	3
A-82	SHUBHAM GHADGE	9	3	9	3	9	3
A-83	SANDHYA RANMALE	8	3	8	3	8.ER	ING3
A-84	ASHAR SHAIKH	5	2	- 5	2	183/1	2 *
A-85	ARBAZ SAYYED	8	3	8	3	3/8/45	2,3
	MAYUR KONDHARE	10	3	10	3	110	1 3 To
	NIKHILRAJ DESALE	10	3	10	3	DK?	030
	SHRINATH KADAM	10	3	10	3	10	\$ 11/40
	KOUSTUBH JUVEKAR	10	3	10	3	10	5 13
A-91	ROHAN AWATE	10	3	10	3	10	3

A-92 KETAN MHASKE	10	3	10	3	10	3
A-93 SIDDHARTH GAIKWAD	2	0	2	0	2	0
A-94 PUSHPANJALI DABADE	7	3	7	3	7	3
Total no of students attempted the question	91	,	91		91	
Total no of students securing more than 60%		86		86		86
Total no of students securing more than 50%		2		2		2
Total no of students securing more than 40%		0		0		0
Percentage		1.51	9	4.51		.51
CO Addressed	C	0-4	(CO-5	CO-6	

Crit eria	Mapping Level
>=60%	3
>=50%	2
>=40%	1

CO	Avg	Mapping
Adderessed	Avg	Mapping
CO1	9.	
CO2	NOT A	ddressed
CO3		
CO4	94.51	3
CO5	94.51	3
CO6	94.51	3

Dr. P.M Agarkar





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

Semester: II		Continuous Assesment (CA) [Direct Assesment -Internal] Form No. IQAC/36				
Name of Subject Teacher:Prof. Amruta Chitari CA (out of 50) Roll No. Name of the Student CA (out of 50) A-1 ADAGALE KUNAL DEEPAK 34 A-2 ADARSH KUMAR JHA 40 A-3 ADARSH RAI 39 A-4 ADE SAHADEV SUKHADEV 29 A-5 ADITYA SHIVAJI BHOR 41 A-6 ADITYA SHINAL 40 A-7 AKASH KANAR 38 A-8 HARJOT KAUR 44 A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR 36 A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH 43 A-15 BALJEET SINGH KATOCH 41 A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 38 A-19 BORKAR RUPESH DATTATRAY 44 <td></td> <td></td> <td>Semester:II</td>			Semester:II			
Roll No. Name of the Student	Subject	Data Science and Big Data Analytics Class:TE	Div: A			
A-1 ADAGALE KUNAL DEEPAK A-2 ADARSH KUMAR JHA A-3 ADARSH KUMAR JHA A-4 ADE SAHADEV SUKHADEV A-5 ADITYA SHIVAJI BHOR A-6 ADITYA SINHA A-7 AKASH KANAR A-8 HARJOT KAUR A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 39 A-20 BOMBE KRUSHNAKANT RAMESH A-21 BORKAR RUPESH DATTATRAY 4-22 CHAUDHARI SUYOG JITENDRA A-23 CHAUHAN KHUSHI YASHWANTRAO 4-26 CHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP 4-28 CHORDIYA RIYA NILAM A-29 CHOUGHUE RAHUL DASHRATH A-30 DHAMAL MAYANK PRASHANT A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE COMPANYA ASHIVLING A-36 COMPUTER 39 A-37 CHANAL MAYANK PRASHANT A-38 FUTANE COMPANYA ASHIVLING A-39 DHAMAL MAYANK PRASHANT A-30 DEBARTMENT ASHIVLING A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35						
A-2 ADARSH KUMAR JHA A-3 ADARSH RAI 39 A-4 ADE SAHADEV SUKHADEV 29 A-5 ADITYA SHIVAJI BHOR 41 A-6 ADITYA SINHA 40 A-7 AKASH KANAR 38 A-8 HARJOT KAUR 44 A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR 36 A-11 ARYAN 38 A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 37 A-14 BAHIRAT POOJA AVINASH 41 A-15 BALJEET SINGH KATOCH 41 A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-19 BHOSALE PRATIK RAMACHANDRA 38 A-19 BHOSALE SHWETA RAJENDRA 39 A-20 BOMBE KRUSHNAKANT RAMESH 30 A-21 BORKAR RUPESH DATTATRAY 41 A-22 CHAUDHARI SUYOG JITENDRA 39 A-21 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH 43 A-30 CHRISTOPHER 44 A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 PUTANE GANESH DINKAR 35 35			CA (out of 50)			
A-3 ADARSH RAI A-4 ADE SAHADEV SUKHADEV A-5 ADITYA SHIVAJI BHOR A-6 ADITYA SINHA A-7 AKASH KANAR A-8 HARJOT KAUR A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR 38 A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 38 A-19 BHOSALE SHWETA RAJENDRA 39 A-20 BOMBE KRUSHNAKANT RAMESH 30 A-21 BORKAR RUPESH DATTATRAY 31 BHOSALE SHWETA RAJENDRA 32 CHAUDHARI SUYOG JITENDRA 33 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH A-30 DESHMUKH SHIVAM ASHOK A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35 35 36 37 41 41 42 44 45 46 47 48 49 49 40 40 40 41 41 42 43 44 44 44 46 47 48 49 40 40 40 40 40 40 40 40 40			34			
A-4 ADE SAHADEV SUKHADEV A-5 ADITYA SHIVAJI BHOR A-6 ADITYA SHIVAJI BHOR A-7 AKASH KANAR A-8 HARJOT KAUR A-9 ANIKET SANDEEP WANKHEDE A-10 ANJALI PARMAR A-11 ARYAN A-12 ATHARV RAJENDRA PATIL A-13 AYUSH BALIYAN A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO A-17 BHARATI SHIVAM SANJAY A-18 BHOSALE PRATIK RAMACHANDRA A-19 BHOSALE SHWETA RAJENDRA A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH A-21 BORKAR RUPESH DATTATRAY 44 A-22 CHAUDHARI SUYOG JITENDRA A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35 35 35			40			
A-5 ADITYA SHIVAJI BHOR A-6 ADITYA SINHA A-7 AKASH KANAR A-8 HARJOT KAUR A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH 41 A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 38 A-19 BHOSALE SHWETA RAJENDRA 37 A-18 BOMBE KRUSHNAKANT RAMESH 38 A-20 BOMBE KRUSHNAKANT RAMESH 39 A-21 BORKAR RUPESH DATTATRAY 44 A-22 CHAUDHARI SUYOG JITENDRA 23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 43 A-29 CHOUGHULE RAHUL DASHRATH 43 A-29 CHOUGHULE RAHUL DASHRATH 44 A-20 CHOUGHULE RAHUL DASHRATH 45 A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35 BOOK OF THE TOTAL SHIP AND TO THE TOTAL SHIP AND THE TOTAL SH			39			
A-6 ADITYA SINHA A-7 AKASH KANAR A-8 HARJOT KAUR A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR 36 A-11 ARYAN 37 A-10 ANJALI PARMAR 36 A-11 ARYAN 37 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH 41 A-15 BALJEET SINGH KATOCH 41 A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 38 A-19 BHOSALE SHWETA RAJENDRA 39 A-20 BOMBE KRUSHNAKANT RAMESH 30 A-21 BORKAR RUPESH DATTATRAY 42 CHAUDHARI SUYOG JITENDRA 32 A-23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER 43 A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35		20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	29			
A-7 AKASH KANAR A-8 HARJOT KAUR A-9 ANIKET SANDEEP WANKHEDE 37 A-10 ANJALI PARMAR 36 A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH 41 A-15 BALJEET SINGH KATOCH 41 A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 39 A-19 BHOSALE SHWETA RAJENDRA 30 A-20 BOMBE KRUSHNAKANT RAMESH 31 A-21 BORKAR RUPESH DATTATRAY 42 CHAUDHARI SUYOG JITENDRA 32 A-23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER 31 A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35 55			41			
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A-10 ANJALI PARMAR A-11 ARYAN 38 A-12 ATHARV RAJENDRA PATIL 36 A-13 AYUSH BALIYAN 35 A-14 BAHIRAT POOJA AVINASH 41 A-15 BALJEET SINGH KATOCH 41 A-16 BELGE ANUJA GOVINDRAO 39 A-17 BHARATI SHIVAM SANJAY 38 A-18 BHOSALE PRATIK RAMACHANDRA 39 A-19 BHOSALE SHWETA RAJENDRA 31 A-20 BOMBE KRUSHNAKANT RAMESH 33 A-21 BORKAR RUPESH DATTATRAY 44 A-22 CHAUDHARI SUYOG JITENDRA 23 A-23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH A-29 CHOUGHULE RAHUL DASHRATH A-29 CHOUGHULE RAHUL DASHRATH A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 36 AB A-11 36 A1 A1 A1 A2 A3 A3 A4 A4 A4 A4 A4 A4 A4 A4	A-8		44			
A-11 ARYAN A-12 ATHARV RAJENDRA PATIL A-13 AYUSH BALIYAN A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO A-17 BHARATI SHIVAM SANJAY A-18 BHOSALE PRATIK RAMACHANDRA A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH A-21 BORKAR RUPESH DATTATRAY A-22 CHAUDHARI SUYOG JITENDRA A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANG CANESA 36 37 38 38 38 38 39 30 31 32 34 35 36 37 38 38 38 38 39 30 30 31 32 34 35 36 37 38 38 38 38 38 38 38 38 38	A-9		37			
A-12 ATHARV RAJENDRA PATIL A-13 AYUSH BALIYAN A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO A-17 BHARATI SHIVAM SANJAY A-18 BHOSALE PRATIK RAMACHANDRA A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH A-21 BORKAR RUPESH DATTATRAY A-22 CHAUDHARI SUYOG JITENDRA A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-36 CHRISTORHER A-37 CHARDE BAHISHEK VITTHAL A-38 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-30 CARDEE BANNAM ASHOK A-31 FUTANE GANESH DINKAR A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CHARDE BANNAM ASHOK A-38 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-30 CARDEE BANNAM ASHOK A-31 FUTANE GANESH DINKAR A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CHARDEE BANNAM ASHOK A-38 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-30 CARDEE BANNAM ASHOK A-31 CARDEE BANNAM ASHOK A-32 CARDEE BANNAM ASHOK A-33 FUTANE GANESH DINKAR A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CARDEE BANNAM ASHOK A-38 FUTANE GANESH DINKAR A-39 CARDEE BANNAM ASHOK A-39 CARDEE BANNAM ASHOK A-30 CARDEE BANNAM ASHOK A-31 CARDEE BANNAM ASHOK A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CARDEE BANNAM ASHOK A-38 CARDEE BANNAM ASHOK A-39 CARDEE BANNAM ASHOK A-39 CARDEE BANNAM ASHOK A-39 CARDEE BANNAM ASHOK A-39 CARDEE BANNAM ASHOK A-30 CARDEE BANNAM ASHOK A-31 CARDEE BANNAM ASHOK A-31 CARDEE BANNAM ASHOK A-32 CARDEE BANNAM ASHOK A-35 FUTANE GANNAM ASHOK A-36 CARDEE BANNAM ASHOK A-37 CARDEE BANNAM ASHOK A-38 CARDEE BANNAM ASHOK A-39 CARDEE BANNAM ASHOK A-30 CARDEE BANNAM ASHOK A-3	A-10		36			
A-13 AYUSH BALIYAN A-14 BAHIRAT POOJA AVINASH A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO A-17 BHARATI SHIVAM SANJAY A-18 BHOSALE PRATIK RAMACHANDRA A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH A-21 BORKAR RUPESH DATTATRAY A-22 CHAUDHARI SUYOG JITENDRA A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CHARGE ABHISHEK VITTHAL A-38 FUTANE GANESH DINKAR A-39 CHARGE BANISHEK VITTHAL A-31 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CHARGE GANESH DINKAR A-38 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-30 CARDEE BANNAM ASHOK A-31 FUTANE GANESH DINKAR A-35 FUTANE GANESH DINKAR A-36 CARDEE BANNAM ASHOK A-37 CARDEE BANNAM ASHOK A-38 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR	A-11	ARYAN	38			
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A-15 BALJEET SINGH KATOCH A-16 BELGE ANUJA GOVINDRAO A-17 BHARATI SHIVAM SANJAY A-18 BHOSALE PRATIK RAMACHANDRA A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH A-21 BORKAR RUPESH DATTATRAY A-22 CHAUDHARI SUYOG JITENDRA A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-36 CARDER BANNAN ASHOK A-37 FUTANE GANESH DINKAR A-38 FUTANE GANESH DINKAR A-39 FUTANE GANESH DINKAR 39 A-36 CARDER BANNAN ASHOK A-37 FUTANE GANESH DINKAR 39 A-38 FUTANE GANESH DINKAR 39 A-39 FUTANE GANESH DINKAR 30 31 32 34 35 36 37 38 41 41 41 42 43 44 45 46 47 47 48 49 40 40 40 41 40 41 40 41 41 42 43 44 45 46 47 47 48 49 40 40 41 41 43 43 44 45 46 47 48 49 40 40 41 41 42 43 44 45 46 47 48 48 49 40 40 40 41 41 42 43 44 44 45 46 47 48 48 48 49 40 40 40 40 41 41 42 43 44 44 45 46 47 48 48 48 48 48 48 49 49 40 40 40 40 40 40 40 40	A-13	AYUSH BALIYAN	35			
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A-17 BHARATI SHIVAM SANJAY A-18 BHOSALE PRATIK RAMACHANDRA 38 A-19 BHOSALE SHWETA RAJENDRA 35 A-20 BOMBE KRUSHNAKANT RAMESH 33 A-21 BORKAR RUPESH DATTATRAY 44 A-22 CHAUDHARI SUYOG JITENDRA 23 A-23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 38 38 38 38 38 38 38 38 38 3	A-15	BALJEET SINGH KATOCH	41			
A-18 BHOSALE PRATIK RAMACHANDRA A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH 33 A-21 BORKAR RUPESH DATTATRAY 44 A-22 CHAUDHARI SUYOG JITENDRA 23 A-23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER 31 A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 38 38 38 38 38 38 38 38 38 3	A-16	BELGE ANUJA GOVINDRAO	39			
A-19 BHOSALE SHWETA RAJENDRA A-20 BOMBE KRUSHNAKANT RAMESH 33 A-21 BORKAR RUPESH DATTATRAY 44 A-22 CHAUDHARI SUYOG JITENDRA 23 A-23 CHAUHAN KHUSHI YASHWANTRAO 40 A-25 CHAVAN PRANOTI HANUMANT 40 A-26 CHHATRABAND NIKHIL RAJESH 39 A-27 CHINCHMALATPURE SIDDHESH SANDEEP 42 A-28 CHORDIYA RIYA NILAM 43 A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35 36 37 38 38 39 30 30 31 31 32 34 35 36 37 38 38 39 30 30 30 30 30 30 30 30 30	A-17	BHARATI SHIVAM SANJAY	38			
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A-21 BORKAR RUPESH DATTATRAY A-22 CHAUDHARI SUYOG JITENDRA 23 A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-26 CARGE PRANIAW ASHOK A-27 CHOOL OA COMPUTER 30 COMPUTER 30 COMPUTER 30 STANDARD ASHOR 30 COMPUTER 31 A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35 CARGE PRANIAW A SHOK	A-19	BHOSALE SHWETA RAJENDRA -	35			
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A-23 CHAUHAN KHUSHI YASHWANTRAO A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-26 CARDEE PRANAMA ASHOK A-27 CHINCHMANT ASHIVLING A-38 FUTANE GANESH DINKAR 39 40 40 41 40 41 40 41 40 41 40 41 40 41 40 41 41	A-21	BORKAR RUPESH DATTATRAY	44			
A-25 CHAVAN PRANOTI HANUMANT A-26 CHHATRABAND NIKHIL RAJESH A-27 CHINCHMALATPURE SIDDHESH SANDEEP A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR A-26 CARDEE PRANAMA ASHOK A-26 CARDEE PRANAMA ASHOK A-26 CARDEE PRANAMA ASHOK A-36 CARDEE PRANAMA ASHOK A-37 CARDEE PRANAMA ASHOK A-38 STUTANE GANESH DINKAR A-39 CARDEE PRANAMA ASHOK	A-22	CHAUDHARI SUYOG JITENDRA	23			
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A-28 CHORDIYA RIYA NILAM A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 35	A-26	CHHATRABAND NIKHIL RAJESH	39			
A-29 CHOUGHULE RAHUL DASHRATH A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 36 CARDEL PRANAMA ASHOK 37 STORY OF TRANAMA ASHOK 38 STORY OF TRANAMA ASHOK 39 STORY OF TRANAMA ASHOK	A-27	CHINCHMALATPURE SIDDHESH SANDEEP	42			
A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 31 CARDEL PRANAMA ASHOW	A-28	CHORDIYA RIYA NILAM	43			
A-30 CHRISTOPHER A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 31 CARDEL PRANAMA ASHOW	A-29	CHOUGHULE RAHUL DASHRATH	26			
A-31 DESHMUKH SHIVAM ASHOK A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 30 DEPARTMENT ID 40 41 39 35	A-30		31			
A-32 DHAMAL MAYANK PRASHANT A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 39 35	A-31	DESHMUKH SHIVAM ASHOK COMPUTER				
A-33 DUBUKWAD SHIVRATNA SHIVLING A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 39 35	A-32	DHAMAI MAVANK PRASHANT . DEPARTMENT				
A-34 FARANDE ABHISHEK VITTHAL A-35 FUTANE GANESH DINKAR 39 35	A-33	DUDUNIA DOUBLE AMELIA CAMBINETE	1 771			
A-35 FUTANE GANESH DINKAR 35	A-34					
A 24 CADOR PRANAVACUOV	A-35					
	A-36	GADGE PRANAV ASHOK	39			

	D MANICI CANIAV	40
A-37	GAIKWAD MANSI SANJAY	41
A-38	GAIKWAD SHUBHAM SUBHASH	37
A-39	GAWALI ANAND GORAKH	23
A-40	HARI SHANKAR BHUYAN HEMADE VAISHNAVI BHASKAR	38
A-41		37
A-42	HIWRALE PRATIK RAJU	41
11.0	INGLE KIRAN VIJAY	42
11	ISHIKA SINHA	40
A-45	JADHAV PRATHAMESH SURESH JAGTAP RUTUJA BHAUSAHEB	36
A-46	JAMAL KIARA AMIR	40
A-47	JOSHI YASH GIRISH	38
	KADAM ADITYA AVINASH	38
	KADAM PRAJAKTA BHARAT	36
A-50	KAMBLE POOJA ANANT	38
A-51	KAMDI PRAJWAL MILINDKUMAR	38
A-52	KANADE PRATIKSHA SANTOSH	39
A-53	KANCHANGIRE SHUBHAM	37
A-54	KANDGE VIPUL GORAKH	36
A-55	KAPOOR VANSHIKA SHASHI	45
A-56	KAPOOR VANSHIKA SHASHI KARAN KAUL	41
A-57	KARIMKHAN MOHIUDDIN MASOOD	32
A-58	KHAMKAR AKASH JITENDRA	36
A-59	KIRAN KISAN CHAVAN	38
A-60	MAHANT GOPI GOURDAS -	39
A-62	MALI AJAY VINOD	42
A-63	MANE AKSHADA BANSILAL	39
A-64	MANE PALLAVI ANIL	35
A-65 A-66	KIRAN DEVASI	38
A-67	CHETAN DINESH NAGANE	41
A-68	YADAV ABHISHEK PRADIP	39
A-69	YASH DINKAR BAHIRAT	38
A-70	CHOUDHARY JYOTI	22
A-71	PATIL ADITYA LALIT	42
A-71	KASHISH RAJIV KUMAR	41
A-73	PRANALI CHAUDHARI	35
A-74	ROHIT KUMAR	35
A-75	AMAN ATTAR	30
A-76	MUSKAN KASHINATH SAWANT	38
A-77	BATTULA SUSHMA LAXMINARAYANA	40
A-78	HIMANICHI ACADWAI	39
A-79	ROHAN PAWAR	
A-80	L CONTROLL	38
A-81	OMKAR SHARAD NANDODE	38
A-82	SHUBHAM GHADGE	35
A-83	SANDHYA RANMALE	34
A-84	ASHAR SHAIKH	38
A-85	ARBAZ SAYYED	25
		35

A-86	MAYUR KONDHARE	40
A-88	NIKHILRAJ DESALE	34
A-89	SHRINATH KADAM	39
A-90	KOUSTUBH JUVEKAR	43
A-91	ROHAN AWATE +	42
A-92	KETAN MHASKE	36
A-93	SIDDHARTH GAIKWAD	22
A-94	PUSHPANJALI DABADE	35
	TOTAL COUNT OF STUDENTS	91
	TOTAL MARKS OF STUDENTS	3380
	AVERAGE MARKS	37.14
	% ASSESSMENT OF AVERAGE MARKS (out of 50)	74.29

Dr. P.M Agarkar HoD





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] Academic Year: 2021-22 Form No. IQAC/36

Subject:Data Science and Big Data Analytics

Subject:	Data Science and Big Data Analytics		Class:	TE		Semest	
Roll No.	Teacher: Prof. Amruta Chitari		Class:	I E	Div:A		
A-1	1 value of student	CO-1	CO-2	CO-3	GO 1		
A-2	ADAGALE KUNAL DEEPAK	3	3	3		100.	+ 00.
A-3	ADARSH KUMAR JHA ADARSH RAI	3	3	3	3	3	3
A-6	ADITYA SINHA	2	1	3	2	3	3
A-7	AVACHKANAR	3	3	3	3	2	2
A-8	AKASH KANAR	3	3	3	3	3	3
A-10	HARJOT KAUR	3	3	3	3	3	3
A-11	ANJALI PARMAR ARYAN	3	3	3	3	3	3
		3	3	2	3	3	2
	ATHARV RAJENDRA PATIL	3	3	3	3	3	3
	AYUSH BALIYAN	3	1	3	3	3	3
	BAHIRAT POOJA AVINASH	2	3	3	2	3	2
	BALJEET SINGH KATOCH	2	3	3	3	1	1
A-16	BELGE ANUJA GOVINDRAO	3	3	3	3	3	3
A-18	BHOSALE PRATIK RAMACHANDRA	3	3	2	3	3	3
A-19	BHOSALE SHWETA RAJENDRA	3	3 -	3	3	3	3
A-20	BOMBE KRUSHNAKANT RAMESH	3	3	3		2	3
A-21	BORKAR RUPESH DATTATRAY	3	3	3	3	3	3
A-22 (CHAUDHARI SUYOG JITENDRA	3	3	2	3	3	3
A-23 (CHAUHAN KHUSHI YASHWANTRAO	2	3	3	3	3	3
A-26 (CHHATRABAND NIKHIL RAJESH	3	3	2	2	2	3
A-27 (CHINCHMALATPURE SIDDHESH SAN	3	3	3	3	3	3
A-29 (CHOUGHULE RAHUL DASHRATH	2	3	3	3	3	3
A-30 C	CHRISTOPHER	2	3		2	2	2
A-31 D	ESHMUKH SHIVAM ASHOK	3	3	3	3	3	3
A-32 D	HAMAL MAYANK PRASHANT	2	2	3	3	3	3
A-33 D	UBUKWAD SHIVRATNA SHIVLING	3	3	3	2	2	2
A-34 F.	ARANDE ABHISHEK VITTHAL	3		2	3	3	3
A-35 F	UTANE GANESH DINKAR	3	3	3	3	2	3
	ADGE PRANAV ASHOK	3	3	3	3	3	3
	AIKWAD MANSI SANJAY	3	3 -	3	3	3	3
	AIKWAD SHUBHAM SUBHASH		3	2	3	3	3
	ARI SHANKAR BHUYAN	2	3	3	2	200	OF3EN
	EMADE VAISHNAVI BHASKAR	3	3	2		3/	3.8
	WRALE PRATIK RAJU	3	3	3	3	B	MPUSIENEN
	GLE KIRAN VIJAY	3	3	3	3	BCA	PATE 3
	HIKA SINHA	2	3	3		01/0	1 /
	DHAV PRATHAMESH SURESH	2	3	3	3	30	03 *
	GTAP RUTUJA BHAUSAHEB	3	3	3	3	3	43
1-40 JA	OTAL KUTUJA BHAUSAHEB	2	1	3	2	2	2

A-47	JAMAL KIARA AMIR	3	3	2	3	3	3
A-48	JOSHI YASH GIRISH	3	3	3	3	2	3
A-49	KADAM ADITYA AVINASH	3	3	3	3	3	3
A-50	KADAM PRAJAKTA BHARAT	3	3	3	3	3	3
A-51	KAMBLE POOJA ANANT	3	3	2	3	3	3
A-52	KAMDI PRAJWAL MILINDKUMAR	2	3	3	2	2	3
A-53	KANADE PRATIKSHA SANTOSH	3	3	3	3	3	2
A-55	KANDGE VIPUL GORAKH	3	3	3	3	3	3
A-56	KAPOOR VANSHIKA SHASHI	2	2	2	3	3	2
A-57	KARAN KAUL	2	3	3	2	1	1
A-58 T	KARIMKHAN MOHIUDDIN MASOOD	3	3	2	3	3	3
A-60	KIRAN KISAN CHAVAN	3	3	3	3	3	2
A-63	MALI AJAY VINOD	3	3	3	3	3	3
A-64	MANE AKSHADA BANSILAL	3	3	3	3	3	3
A-65	MANE PALLAVI ANIL	2	3	3	2	2	3
A-66	KIRAN DEVASI	2	3	3	2	2	3
A-68	YADAV ABHISHEK PRADIP	2	2	3	2	2	2
A-69	YASH DINKAR BAHIRAT	3	3	3	2	3	3
A-70	CHOUDHARY JYOTI	3	3	3	2	2	3
A-72	KASHISH RAJIV KUMAR	3	3	3	2	3	3
A-78	HIMANSHU AGARWAL	3	3	3	2	3	3
A-79	ROHAN PAWAR	3	3 +	3	2	3	3
A-81	OMKAR SHARAD NANDODE	3	3	3	2	3	3
A-82	SHUBHAM GHADGE	3	3	3	2	3	3
A-83	SANDHYA RANMALE	3	3	3	2	3	3
A-84	ASHAR SHAIKH	3	3	3	2	3	3
A-85	ARBAZ SAYYED	3	3	3	2	3	3
A-89	SHRINATH KADAM	3	3	3	2	3	3
A-90	KOUSTUBH JUVEKAR	3	3	3	2	3	3
A-91	ROHAN AWATE	3	3	3	2	3	3
A-92	KETAN MHASKE	3	3	3	2	3	3
A-93		3	3	3	2	3	3
A-94	PUSHPANJALI DABADE	3	3	3	2	3	3
	Total count of students 71	3	3	3	3	3	3
	%	92.02	95.77	94.84	86.38	90.61	92.49
	Course Outcome>	CO1	CO2	CO3	CO4	CO5	CO6



Dr. P.M Agarkar

HoD



Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Paul Scriots of Engineers
Dr. D. Y. Paul Scriots of Engineers
Couloit (B4). Listquen, Proc. -412 105
Website https://dynos.o/
Department of Computer Engineers

CO-PO-PSO Attainment Form No. 1QAC/16 Value Var 701.0 Sport Date Sciency and Big Date Analysis Name of Sudgest Tourism Prof. Assess China Direct Assessment (External) (1914) University Exams co Subject Result | PROSETW -Internal Internal Inde-19% Cantinom Assessed +60% University result(TS)= 10% University result co >= Rent of FR/ OR/ TO Course Eak Secret CTI CT1 Management Remember 98.52 3.0 74.29 3 86.44 3.0 92.09 3.0 3.00 1 3 3 2 2 1 2 100.00 3 86.44 3.0 92.09 3.0 2 2 1 1 2 2 3.0 95,77 3.0 ന 100.00 7429 3 16.44 3.0 92.09 3.0 1 2 2 1 3.0 24.84 3.0 COL 74.29 92.09 3.0 1 2 2 2 2 2 2 2 2 3.0 86,38 3.0 74.27 3 8644 3.0 92.09 3.0 1 1 2 2 1 3.0 2 2 2 1 1 2 salization took in Python program 90.61 004 74.29 3 1 2 2 2 2 1 86.44 3.0 92.09 92.49 2 1 1 2 2 2 Mapping Crimeia -> Mario >=68: Level 3 Mario >=50: Level 2









Empowerment Through Quality Technical Education Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City, Charlott (Dk.), Lobegovo, Pane – 412 105

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_															De	partment of	Computer I	Engineering	Form	Na IQAC!	16								/				
S	(Div) & Subject	CO No.	Attainme	POI	Attainm	PO2	Attainm ent	PO 3	Attainm ent	PO4	Attainm ent	PO5	Attainm ent	PO6	Attainm ent	PO7	Attainm ent	PO8	Attainm ent	PO9	Attaiam ent	PO10	Attainm	POII	Attainm ent	PO12	Attainm ent	PSO1	Attainm est	PSO2	Attainm ent	PSO3	Attainm ent
	1	CO-1	3 00	1 00	1 00	3.00	3.00	2.00	2.00	1.00	1.00									1.00	1.00					1.00	1.00	2.00	2.00				
1	TE (A)	CO-3	3 00	1 00	1 00	2.00	2.00	1.00	1.00	2.00	2.00			1.00	1.00					1.00	1.00					1.00	1.00	1.00	1.00				
	Data	CO-3	3 00	2.00	2 00	1 00	1.00	2.00	2.00	1.00	1.00			1.00	1.00					1.00	1 00					1.00	1.00	1 00	1 00			1.00	1.00
١.	Science	CO-4	3 00	1.00	1 00	2 00	2.00	2.00	2.00	2.00	2.00	2.00	2.00							1.00	1.00					1.00	1.00	1.00	1.00	2 00	2.00	1.00	1.00
1 1	and Beg	CO-5	3.00	1.00	1 00	2 00	2.00	2.00	2.00	1.00	1.00	2.00	2.00							1.00	1.00					1.00	1.00	1.00	1.00	2.00	2.00	1.00	1.00
i	Data	CO-6	3 00	1 00	1.00	2.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00						1.00	1.00					1.00	1.00	2.00	2.00	2.00	2.00	1.00	1.00
1	Analytic				Laurmoni		liaunmeni		Lamment	Avg. A	tainment	Avg. A	laimment	Avg. A	laumical	Avg. A	lainment	Avg. At	aunment	Avg. A	tainment	Avg. A	llainment.	Avg. Att	ainment	Avg. At	ainment	Avg. At	tainment	Avg. At	anment	Avg. At	
1					PO-1		PO-2		PO-3		PO-4	lo	PO-5	lo l	PO-6	of	PO-7	of I	O-8	of	PO-9	of P	O-10	of P	0-11	of P	0-12	of P	50-1	of P	SQ-2		PSO-3
		1		1	.17		2.00	1	.67	1.	.50	2	00	1	.00						00					1.	00	1.	33	2	00	1.	.00



Dr. P.M Agerbar

Department of Computer Engineering
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Technical Campus
Via Lehegaon, Charholi Bk., Pune-412 105



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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 Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36 Semester: III

Academic Year.:2021-22

Subject: Elective III(Cloud Security)

		rer: Prof.Minal C. Toley Class: M.E.
		Students will be able to
CO-1	3-Apply	Use various services offered for cloud environment
CO-2	3-Apply	Apply computing security fundamentals confined to cloud environment
CO-3	4-Analyze	Analyze the cloud system for vulnerabilities, threats and attacks
CO-4	6-Create	Propose feasible security solution for cloud security
CO-5	1-Remember	,
CO-6	2-Understand	Know various issues related to the security of information in cloud environment

Prof.Minal Toley Sub Incharge



Dr Pankaj Agarka



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

Academic Year: 2021-22

CO-PO-PSO Mapping

Form No. 1QAC/36 Semester: 11

Class: M.F.

Subject: Elective III(Cloud Security)

Name of Subject Teacher: Prof Minal C Tolow

	Subject Teache	r: Prof	.Minal	C.Tole	У								Class:	VI.E		
PO CO	BT LEVEL	POI	F(0)2	Pex	Res	1:05	12011	12(0)rA	11(0);	11(0))	170)(0	RexIII	Pop	PS(0)1	PS02	PSOX
CO-1	3-Apply	3	3	3		2	2		EX FREE S	Seen I				Series 1		
CO-2	3-Apply	3	3	3		3	3									
CO-3	4-Analyze	3	3	3		3	3									
CO-4	6-Create	3	3	3		3	3									
CO-5	1-Remember	3	3	3		3	3									
CO-6	2-Understand	3	3	3		1	1									
Average		3.00	3.00	3.00	-	2.50	2.50	_	_	Long.	<u> </u>				-	
Rounde doff		3	3	3		3	3			100	-	-	-	-	-	-

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

Pool Minal C. Toley Sub Incharge

COMPUTER DEPARTMENT ö 0

CO No.	PO/PSO	Level	Justification for CO-PO Mapping.
			Design solutions for complex engineering
	PO1	3	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.
-		_	
	PO2	3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate specification for the specification of
-			
CO-1			or strations for complex engineering problems and design system components
	PO3	3	and cafety, and the million for the nublic health and cafety, and the million is
-			societal, and environmental considerations.
	PO5	2	Identify, formulate, review research literature, and analyze complex engineering problems reaching
	103	2	substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences
			Identify formulate review research live and industrial sciences, and engineering sciences
	PO6	2	Identify, formulate, review research literature, and analyze complex engineering problems reaching
			substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences
	PO1	3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate specified needs with a propriate specified needs on the propriate specified needs with a propriate specified needs on the pro
			the specified needs with appropriate consideration for the public health and safety, and the cultural,
	PO2	3	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,
	PO3	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
CO-2		+	societal, and environmental considerations.
	PO5	3	Design solutions for complex engineering problems and design system components or processes that meet
	FU3	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
-			societal, and environmental considerations. Design solutions for complex engineering problems and design system components or processes that meet
	PO6	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that meet
	PO1	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that meet
	PO2	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that mee
CO-3	PO3		the specified needs with appropriate considerables from the public health and safety, and the cultural,
			societal, and environmental considerations.
			OR COMPLETED OF THE PROPERTY O

	PO5		Design solutions for complex engineering problems and design system components or processes that med
	PO3	3	the specified needs with appropriate consideration for the public health and safety, and the sultural
-			and environmental considerations.
	PO6		Design solutions for complex engineering problems and design system components or processes that meet the specified assistance.
	PO6	3	the specified needs with appropriate consideration for the public health and safety, and the cultural
			societal, and environmental considerations.
	PO1		Design solutions for complex engineering problems and design system components or processes that mee
	POI	3	the specified needs with appropriate consideration for the public health and safety, and the cultural
-		-	societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that mee
	PO2	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
-			societal, and environmental considerations.
60.4			Design solutions for complex engineering problems and design system components or processes that mee
CO-4	PO3	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
-			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that mee
	PO5	3	the specified needs with appropriate consideration for the public health and safety, and the cultural.
_			societal, and environmental considerations.
			Use research-based knowledge and research methods including design of experiments, analysis and
	PO6	3	interpretation of data, and synthesis of the information to provide valid conclusions.
			Design solutions for complex engineering problems and design system components or processes that meet
	PO1	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that meet
	PO2	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that meet
CO-5	PO3	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations.
			Design solutions for complex engineering problems and design system components or processes that meet
	PO5	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and environmental considerations
			Design solutions for complex Engige or processes that meet
	POF	3	the specified needs with appropriate consideration for the public health and safety, and the cultural,
			societal, and

		_	
	PO1	3	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.
	PO2	3	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
CO-6	PO3	3	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.
	PO5	1	Apply the knowledge of mathematics, science, Engineering fundamentals, and an Engineering specialization to the solution of complex Engineering problems.
	PO6	1	Apply the knowledge of mathematics, science, Engineering fundamentals, and an Engineering specialization to the solution of complex Engineering problems.

Prof.Minal Toley Sub Incharge

Dr.Pankaj Agarkar HOD



Dr. D. Y. Patil School of Engineering Dr. D. Y. Patil Knowledge City.

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Prof. Minal C. Toley Sub Incharge

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Dr. Pankay

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