



"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. 2020-21

Attainment of Programme outcomes and course outcomes are
evaluated by the institution

(Criteria 2.6.2)

Attached samples of documents which shows

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

Dr. F. B. Sayyad

Principal

Enclosed: Records of activity done.



Empowerment Through Quality Technical Education

Dr. D. Y. Patil School of Engineering

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

Department of Mechanical Engineering

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	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)





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

Department of Mechanical Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.:2020-21

Subject: DME I

Class: TE

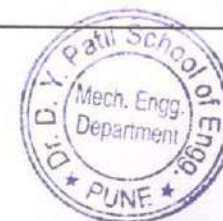
Semester: V

Div: E

Name of Subject Teacher: Prof. Y.S.Danekar

CO No.	BT level	Students will be able to
CO-1	2-Understand	Student will be able to understand fundamentals of gear theory which will be the prerequisite for gear design.
CO-2	3-Apply	Student will be able to perform force analysis of Spur, Helical, Bevel, Worm and Worm gear.
CO-3	4-Analyze	The student to analyze speed and torque in epi-cyclic gear trains which will be the prerequisite for gear box design.
CO-4	6-Create	Student will be able to design cam profile for given follower motions and understand cam Jump phenomenon, advance cam c
CO-5	6-Create	The student will synthesize a four bar mechanism with analytical and graphical methods.
CO-6	4-Analyze	a) The student will analyze the gyroscopic couple or effect for stabilization of Ship, Aeroplane and Four wheeler vehicle.
	3-Apply	b) Student will choose appropriate drive for given application (stepped / step-less)

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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Department of Mechanical Engineering

Program Outcomes (POs):

Form No. IQAC/36

Engineering Graduates will be able to:

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	Design/development of solutions: 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.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
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 societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.



9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	Project management and finance: 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.
12	Life-long learning: 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.





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Department of Mechanical Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year:2020-21

Subject:DME I

Name of Subject Teacher: Prof. Y.S.Danekar

Semester:V

Class:TE

Div:E

PO CO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2- Understand	3	2	1							1			1	1	
CO-2	3-Apply	3	2	1							1			1	1	
CO-3	4-Analyze	3	3	2							1			1	1	
CO-4	6-Create	3	3	1										1	2	
CO-5	6-Create	3	3		1									1	1	
CO-6	4-Analyze	3	3	1									1	1	2	
Average		3.00	2.67	1.20	1.00	-	-	-	-	-	1.00	-	1.00	1.00	1.33	-
Rounded off		3	3	2	1						1		1	1	2	

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

Y.S. Danekar
y.s.d.
Subject Teacher

H. O. D.
Dept. of Mechanical Engg.
Dr. D. Y. Patil School of Engg., Lohegaon, Pune.





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Department of Mechanical Engineering

Program Specific Outcomes (PSOs):

Form No. IQAC/36

A graduate of the program will

PSO-1 Have competencies in usage of modern tools to optimally design, develop and manufacture product and process.

PSO-2 Have incremental skills to enhance employability in the automotive and thermal engineering fields.

PSO-3 Develop industry oriented attributes through effective training and continuous monitoring.





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Department of Mechanical Engineering

Test Marks [Direct Assessment-Internal]

Form No. IQAC/36

Unit Test Number: I

Date:

Academic Year:2020-21

Semester:

Subject: DME I

Max. Marks:30

Name of Subject Teacher: Y.S.Danekar

Class: TE

Div: E

Question Number	CO Addressed	Q. 1 to Q. 20		Q. 21 Or Q. 40	
		CO1		CO2	
Marks		15 (Select Best out of 20)	Mapping level	15 (Select Best out of 20)	Mapping level
Roll No.	Name of the Student	Marks Obtained		Marks Obtained	
1	Venkateshan Manoharan	10	3	10	3
2	Vishwajeet Abhay More	10	3	10	3
3	Yadav Rohit Yashwant	10	3	10	3
4	Pravin Sangave	5	0	5	0
5	Aditya Mahavir Patni	11	3	11	3
6	Tushar Kacharu Ajabe	8	2	8	2
7	Ajay Mukesh Chaudhary	12	3	12	3
8	Harshal Amrutkar	8	2	8	2
9	Aniket Udhav Mungare	10	3	10	3
10	Atharva Sanjay Tara	4	0	4	0
11	Rushikesh Prakash Bagul	11	3	11	3
12	Rushikesh Prabhakar Bangar	11	3	11	3
13	Sanket Sanjay Bhalerao	9	3	9	3
14	Sanju Mhan Bhagne	AB	NA	AB	NA
15	Prashant Sanjay Bharambe	AB	NA	AB	NA
16	Rushikesh Sandeep Bhavsar	11	3	11	3
17	Sagar Kamlesh Bijlani	11	3	11	3
18	Nikhil Sanjay Birajdar	8	2	8	2
19	Tejas Kishor Borase	10	3	10	3
20	Devanand Balasaheb Borhade	10	3	10	3
21	Bapu Dattatray Borude	9	3	9	3
22	Chetan Ganesh Burge	8	2	8	2
23	Rohit Tanaji Chaudhari	AB	NA	AB	NA
24	Rutik Suhas Chaudhari	AB	NA	AB	NA
25	Atharv Vijay Chavan	9	3	9	3
26	Vivek Shantinath Chavan	9	3	9	3
27	Vishal Vitthal Choudhari	10	3	10	3
28	Nikhil Sanjay Chougale	AB	NA	AB	NA
29	Vijay Narayan Desai	AB	NA	AB	NA
30	Shivam Pandurang Deshmukh	8	2	8	2
31	Ronak Kailash Dhumal	10	3	10	3
32	Rajesh Pradip Gahiwal	10	3	10	3
33	Saurav Nyayakar Gaikwad	9	3	9	3
34	Mahadev Ramesh Gawade	AB	NA	AB	NA
35	Gaurav Vilas Hirdekar	10	3	10	3
36	Mayur Shubhash Ichake	6	1	6	1
37	Balaji Ramchandra Ighare	10	3	10	3
38	Abhishek Ishwardas Ingle	10	3	10	3



39	Jaykumar Sachin Jadhav	12	3	12	3
40	Nikhil Netaji Jadhav	11	3	11	3
41	Swarupa Deepak Kalambe	8	2	8	2
42	Abhishek Suresh Kalbhor	9	3	9	3
43	Animesh Ashok Kamble	10	3	10	3
44	Rajshree Sanjay Kamble	10	3	10	3
45	Shankar Tukaram Kamble	11	3	11	3
46	Omkar Kisan Khalate	9	3	9	3
47	Ganesh Pralhad Khankal	7	1	7	1
48	Kamlesh Madhukar Khedkar	AB	NA	AB	NA
49	Aditya Vilas Kolhe	7	1	7	1
50	Onkar Vijay Lokhande	12	3	12	3
51	Rohit Ramesh Magi	10	3	10	3
52	Aditya Balaji Mamulwar	AB	NA	AB	NA
53	Rohit Dada Mandge	11	3	11	3
54	Mangesh Bajirao Gawali	7	1	7	1
55	Manish Kumar Ram	7	1	7	1
56	Ajay Datta Mare	11	3	11	3
57	Noor E Mohammad Yasin Jamadar	9	3	9	3
58	BADE HARSHAL VITTHAL	7	1	7	1
59	BALGHARE SAURABH SUNIL	9	3	9	3
60	BHOR NIKHIL VISHWAS	10	3	10	3
61	BIRAJDAR PRAJWAL CHANDARSHEKH	6	1	6	1
62	BONDRE HANUMANT SIDHAKAR	8	2	8	2
63	GHOSHAL GOURAB BHASKAR	9	3	9	3
64	KULKARNI ASHUTOSH SANDHYA	10	3	10	3
65	MANGRULE PRADIP BABURAO	AB	NA	AB	NA
66	MATHEW SHIJO JOHN	8	2	8	2
67	MUJAWAR SHAHID VALIMOHAMMAD	AB	NA	AB	NA
68	NAGAWADE ANIKET BHAGWAT	8	2	8	2
69	PANDA SOUMYA RANJAN	11	3	11	3
70	PANDHARE ATUL ANIL	AB	NA	AB	NA
71	PATHADE ISHWARDAS APPASAHEB	10	3	10	3
72	SHINDE SUDARSHAN ANURATH	9	3	9	3
73	SHINDE AKASH JAGANNATH	9	3	9	3
74	SHIRODE KUNAL ANIL	8	2	8	2
75	SIMRAN JOSLAL	9	3	9	3
76	Swami Khirwadkar	9	3	9	3
77	Ishan Darji	AB	NA	AB	NA
Total no of students attempted the question		64		64	
Total no of students securing more than 60%			45		45
Total no of students securing more than 50%			10		10
Total no of students securing more than 40%			7		7
Percentage		70.31		70.31	
CO Addressed		CO-1		CO-2	

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

CO Addressee d	Average	Mapping
CO1	70.31	3.00
CO2	70.31	3.00
CO3	NOT Addressed	
CO4		
CO5		
CO6		



S. Danekar



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Department of Mechanical Engineering

Test Marks [Direct Assessment-Internal]

Form No. IQAC/36

Unit Test Number: II

Date:

Academic Year: 2020-21

Semester: V

Subject: Design of Machine Element I

Max. Marks:30

Name of Subject Teacher: Y.S.Danekar

Class: TE

Div: E

Question Number CO Addressed	Q. 1 to Q. 20		Q. 21 Or Q. 40	
	CO3		CO4	
Marks	15 (Select Best out of 20)	Mapping level	15 (Select Best out of 20)	Mapping level

Roll No.	Name of the Student	Marks Obtained		Marks Obtained	
1	Venkateshan Manoharan	12	3	12	3
2	Vishwajeet Abhay More	12	3	12	3
3	Yadav Rohit Yashwant	9	3	9	3
4	Pravin Sangave	AB	NA	AB	NA
5	Aditya Mahavir Patni	7	1	7	1
6	Tushar Kacharu Ajabe	11	3	11	3
7	Ajay Mukesh Chaudhary	13	3	13	3
8	Harshal Amrutkar	10	3	10	3
9	Aniket Udhav Mungare	12	3	12	3
10	Atharva Sanjay Tara	10	3	10	3
11	Rushikesh Prakash Bagul	12	3	12	3
12	Rushikesh Prabhakar Bangar	12	3	12	3
13	Sanket Sanjay Bhalerao	10	3	10	3
14	Sanju Mhan Bhagne	8	2	8	2
15	Prashant Sanjay Bharambe	AB	NA	AB	NA
16	Rushikesh Sandeep Bhavsar	13	3	13	3
17	Sagar Kamlesh Bijlani	12	3	12	3
18	Nikhil Sanjay Birajdar	12	3	12	3
19	Tejas Kishor Borase	AB	NA	AB	NA
20	Devanand Balasaheb Borhade	13	3	13	3
21	Bapu Dattatray Borude	12	3	12	3
22	Chetan Ganesh Burge	10	3	10	3
23	Rohit Tanaji Chaudhari	12	3	12	3
24	Rutik Suhas Chaudhari	5	0	5	0
25	Atharv Vijay Chavan	11	3	11	3
26	Vivek Shantinath Chavan	11	3	11	3
27	Vishal Vitthal Choudhari	12	3	12	3
28	Nikhil Sanjay Chougale	13	3	13	3
29	Vijay Narayan Desai	9	3	9	3
30	Shivam Pandurang Deshmukh	11	3	11	3
31	Ronak Kailash Dhumal	12	3	12	3
32	Rajesh Pradip Gahiwal	13	3	13	3
33	Saurav Nyayakar Gaikwad	12	3	12	3
34	Mahadev Ramesh Gawade	AB	NA	AB	NA
35	Gaurav Vilas Hirdekar	10	3	10	3
36	Mayur Shubhash Ichake	12	3	12	3
37	Balaji Ramchandra Ighare	12	3	12	3
38	Abhishek Ishwardas Ingle	10	3	10	3

39	Jaykumar Sachin Jadhav	10	3	10	3
40	Nikhil Netaji Jadhav	11	3	11	3
41	Swarupa Deepak Kalambe	11	3	11	3
42	Abhishek Suresh Kalbhor	5	0	5	0
43	Animesh Ashok Kamble	11	3	11	3
44	Rajshree Sanjay Kamble	10	3	10	3
45	Shankar Tukaram Kamble	10	3	10	3
46	Omkar Kisan Khalate	11	3	11	3
47	Ganesh Pralhad Khankal	11	3	11	3
48	Kamlesh Madhukar Khedkar	0	0	0	0
49	Aditya Vilas Kolhe	8	2	8	2
50	Onkar Vijay Lokhande	10	3	10	3
51	Rohit Ramesh Magi	7	1	7	1
52	Aditya Balaji Mamulwar	10	3	10	3
53	Rohit Dada Mandge	11	3	11	3
54	Mangesh Bajirao Gawali	12	3	12	3
55	Manish Kumar Ram	11	3	11	3
56	Ajay Datta Mare	11	3	11	3
57	Noor E Mohammad Yasin Jamadar	12	3	12	3
58	BADE HARSHAL VITTHAL	10	3	10	3
59	BALGHARE SAURABH SUNIL	10	3	10	3
60	BHOR NIKHIL VISHWAS	12	3	12	3
61	BIRAJDAR PRAJWAL CHANDARSHEKH	12	3	12	3
62	BONDRE HANUMANT SIDHAKAR	10	3	10	3
63	GHOSHAL GOURAB BHASKAR	9	3	9	3
64	KULKARNI ASHUTOSH SANDHYA	11	3	11	3
65	MANGRULE PRADIP BABURAO	AB	NA	AB	NA
66	MATHEW SHIJO JOHN	12	3	12	3
67	MUJAWAR SHAHID VALIMOHAMMAD	AB	NA	AB	NA
68	NAGAWADE ANIKET BHAGWAT	8	2	8	2
69	PANDA SOUMYA RANJAN	11	3	11	3
70	PANDHARE ATUL ANIL	9	3	9	3
71	PATHADE ISHWARDAS APPASAHEB	AB	NA	AB	NA
72	SHINDE SUDARSHAN ANURATH	11	3	11	3
73	SHINDE AKASH JAGANNATH	11	3	11	3
74	SHIRODE KUNAL ANIL	9	3	9	3
75	SIMRAN JOSLAL	11	3	11	3
76	Swami Khirwadkar	10	2	10	3
77	Ishan Darji	AB	NA	AB	NA
Total no of students attempted the question		68		68	
Total no of students securing more than 60%			60		61
Total no of students securing more than 50%			4		3
Total no of students securing more than 40%			2		2
Percentage		88.24		89.71	
CO Addressed		CO-1		CO-2	

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



CO Addressee d	Average	Mapping
CO1	NOT Addressed	
CO2	NOT Addressed	
CO3	88.24	3
CO4	89.71	3
CO5	NOT Addressed	
CO6	NOT Addressed	



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Department of Mechanical Engineering

Test Marks [Direct Assessment-Internal]

Form No. IQAC/36

Unit Test Number: III

Date:

Academic Year: 2020-21

Semester: VI

Subject: DME I

Max. Marks:30

Name of Subject Teacher: Y S Danekar

Class: TE

Div: E

Question Number	Q. 1 to Q. 20		Q. 21 Or Q. 40		
	CO5		CO6		
CO Addressed	CO5		CO6		
Marks	15 (Select Best out of 20)	Mapping level	15 (Select Best out of 20)	Mapping level	
Roll No.	Name of the Student		Marks Obtained		
1	Venkateshan Manoharan	11	3	11	3
2	Vishwajeet Abhay More	11	3	11	3
3	Yadav Rohit Yashwant	11	3	11	3
4	Pravin Sangave	6	1	6	1
5	Aditya Mahavir Patni	12	3	12	3
6	Tushar Kacharu Ajabe	9	3	9	3
7	Ajay Mukesh Chaudhary	13	3	13	3
8	Harshal Amrutkar	9	3	9	3
9	Aniket Udhav Mungare	11	3	11	3
10	Atharva Sanjay Tara	5	0	5	0
11	Rushikesh Prakash Bagul	12	3	12	3
12	Rushikesh Prabhakar Bangar	12	3	12	3
13	Sanket Sanjay Bhalerao	10	3	10	3
14	Sanju Mhan Bhagne	AB	NA	AB	NA
15	Prashant Sanjay Bharambe	AB	NA	AB	NA
16	Rushikesh Sandeep Bhavsar	12	3	12	3
17	Sagar Kamlesh Bijlani	12	3	12	3
18	Nikhil Sanjay Birajdar	9	3	9	3
19	Tejas Kishor Borase	11	3	11	3
20	Devanand Balasaheb Borhaide	11	3	11	3
21	Bapu Dattatray Borude	10	3	10	3
22	Chetan Ganesh Burge	9	3	9	3
23	Rohit Tanaji Chaudhari	AB	NA	AB	NA
24	Rutik Suhas Chaudhari	AB	NA	AB	NA
25	Atharv Vijay Chavan	10	3	10	3
26	Vivek Shantinath Chavan	10	3	10	3
27	Vishal Vitthal Choudhari	11	3	11	3
28	Nikhil Sanjay Chougale	AB	NA	AB	NA
29	Vijay Narayan Desai	AB	NA	AB	NA
30	Shivam Pandurang Deshmukh	9	3	9	3
31	Ronak Kailash Dhumal	11	3	11	3
32	Rajesh Pradip Gahiwal	11	3	11	3
33	Saurav Nyayakar Gaikwad	10	3	10	3
34	Mahadev Ramesh Gawade	AB	NA	AB	NA
35	Gaurav Vilas Hirdekar	11	3	11	3
36	Mayur Shubhash Ichake	7	1	7	1
37	Balaji Ramchandra Ighare	11	3	11	3
38	Abhishek Ishwardas Ingle	11	3	11	3

39	Jaykumar Sachin Jadhav	13	3	13	3
40	Nikhil Netaji Jadhav	12	3	12	3
41	Swarupa Deepak Kalambe	9	3	9	3
42	Abhishek Suresh Kalbhor	10	3	10	3
43	Animesh Ashok Kamble	11	3	11	3
44	Rajshree Sanjay Kamble	11	3	11	3
45	Shankar Tukaram Kamble	12	3	12	3
46	Omkar Kisan Khalate	10	3	10	3
47	Ganesh Pralhad Khankal	8	2	8	2
48	Kamlesh Madhukar Khedkar	AB	NA	AB	NA
49	Aditya Vilas Kolhe	8	2	8	2
50	Onkar Vijay Lokhande	13	3	13	3
51	Rohit Ramesh Magi	11	3	11	3
52	Aditya Balaji Mamulwar	AB	NA	AB	NA
53	Rohit Dada Mandge	12	3	12	3
54	Mangesh Bajirao Gawali	8	2	8	2
55	Manish Kumar Ram	8	2	8	2
56	Ajay Datta Mare	12	3	12	3
57	Noor E Mohammad Yasin Jamadar	10	3	10	3
58	BADE HARSHAL VITTHAL	8	2	8	2
59	BALGHARE SAURABH SUNIL	10	3	10	3
60	BHOR NIKHIL VISHWAS	11	3	11	3
61	BIRAJDAR PRAJWAL CHANDARSHEKH	7	1	7	1
62	BONDRE HANUMANT SIDHAKAR	9	3	9	3
63	GHOSHAL GOURAB BHASKAR	10	3	10	3
64	KULKARNI ASHUTOSH SANDHYA	11	3	11	3
65	MANGRULE PRADIP BABURAO	AB	NA	AB	NA
66	MATHEW SHIJO JOHN	9	3	9	3
67	MUJAWAR SHAHID VALIMOHAMMAD	AB	NA	AB	NA
68	NAGAWADE ANIKET BHAGWAT	9	3	9	3
69	PANDA SOUMYA RANJAN	12	3	12	3
70	PANDHARE ATUL ANIL	AB	NA	AB	NA
71	PATHADE ISHWARDAS APPASAHEB	11	3	11	3
72	SHINDE SUDARSHAN ANURATH	10	3	10	3
73	SHINDE AKASH JAGANNATH	10	3	10	3
74	SHIRODE KUNAL ANIL	9	3	9	3
75	SIMRAN JOSLAL	10	3	10	3
76	Swami Khirwadkar	10	3	10	3
77	Ishan Darji	AB	NA	AB	NA
Total no of students attempted the question		64		64	
Total no of students securing more than 60%			55		55
Total no of students securing more than 50%			5		5
Total no of students securing more than 40%			3		3
Percentage		85.94		85.94	
CO Addressed		CO-5		CO-6	

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



CO Addressee d	Average	Mapping
CO1	NOT Addressed	
CO2		
CO3		
CO4		
CO5	85.94	3
CO6	85.94	3

Y. S. Danekar
Subject Teacher

H. O. D.
Dept. of Mechanical Engg.
Dr. D. Y. Patil School of Engg., Lohegaon, P.



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

Department of Mechanical Engineering

Continuous Assessment (CA) [Direct Assessment -Internal]

Form No. IQAC/36

Academic Year: 2020-21

Subject: DME I

Semester: V

Name of Subject Teacher: Y S Danekar

Class: TE

Div: E

Roll No.	Name of the Student	CA (out of 25)
1	Venkateshan Manoharan	
2	Vishwajeet Abhay More	20
3	Yadav Rohit Yashwant	23
4	Pravin Sangave	21
5	Aditya Mahavir Patni	15
6	Tushar Kacharu Ajabe	20
7	Ajay Mukesh Chaudhary	18
8	Harshal Amrutkar	23
9	Aniket Udhav Mungare	17
10	Atharva Sanjay Tara	18
11	Rushikesh Prakash Bagul	18
12	Rushikesh Prabhakar Bangar	21
13	Sanket Sanjay Bhalerao	18
14	Sanju Mhan Bhagne	19
15	Prashant Sanjay Bharambe	14
16	Rushikesh Sandeep Bhavsar	11
17	Sagar Kamlesh Bijlani	23
18	Nikhil Sanjay Birajdar	23
19	Tejas Kishor Borase	15
20	Devanand Balasaheb Borhade	18
21	Bapu Dattatray Borude	19
22	Chetan Ganesh Burge	20
23	Rohit Tanaji Chaudhari	13
24	Rutik Suhas Chaudhari	13
25	Atharv Vijay Chavan	11
26	Vivek Shantinath Chavan	15
27	Vishal Vitthal Choudhari	18
28	Nikhil Sanjay Chougale	21
29	Vijay Narayan Desai	15
30	Shivam Pandurang Deshmukh	14
31	Ronak Kailash Dhumal	20
		20




32	Rajesh Pradip Gahiwal	21
33	Saurav Nyayakar Gaikwad	17
34	Mahadev Ramesh Gawade	12
35	Gaurav Vilas Hirdekar	16
36	Mayur Shubhash Ichake	17
37	Balaji Ramchandra Ighare	18
38	Abhishek Ishwardas Ingle	20
39	Jaykumar Sachin Jadhav	15
40	Nikhil Netaji Jadhav	20
41	Swarupa Deepak Kalambe	20
42	Abhishek Suresh Kalbhor	20
43	Animesh Ashok Kamble	19
44	Rajshree Sanjay Kamble	21
45	Shankar Tukaram Kamble	21
46	Omkar Kisan Khalate	15
47	Ganesh Pralhad Khankal	15
48	Kamlesh Madhukar Khedkar	11
49	Aditya Vilas Kolhe	13
50	Onkar Vijay Lokhande	21
51	Rohit Ramesh Magi	19
52	Aditya Balaji Mamulwar	13
53	Rohit Dada Mandge	21
54	Mangesh Bajirao Gawali	16
55	Manish Kumar Ram	15
56	Ajay Datta Mare	21
57	Noor E Mohammad Yasin Jamadar	19
58	BADE HARSHAL VITTHAL	18
59	BALGHARE SAURABH SUNIL	15
60	BHOR NIKHIL VISHWAS	18
61	BIRAJDAR PRAJWAL CHANDARSHEKHAR	13
62	BONDRE HANUMANT SIDHAKAR	14
63	GHOSHAL GOURAB BHASKAR	14
64	KULKARNI ASHUTOSH SANDHYA	15
65	MANGRULE PRADIP BABURAO	11
66	MATHEW SHIJO JOHN	14
67	MUJAWAR SHAHID VALIMOHAMMAD	11
68	NAGAWADE ANIKET BHAGWAT	14
69	PANDA SOUMYA RANJAN	19
70	PANDHARE ATUL ANIL	11
71	PATHADE ISHWARDAS APPASAHEB	12
72	SHINDE SUDARSHAN ANURATH	14
73	SHINDE AKASH JAGANNATH	18
74	SHIRODE KUNAL ANIL	18

Y.S. Danekar
AN



75	SIMRAN JOSLAL	19
76	Swami Khirwadkar	18
77	ISHAN DARJI	11
78		
79		
TOTAL COUNT OF STUDENTS		77
TOTAL MARKS OF STUDENTS		1294
AVERAGE MARKS		16.80
% ASSESSMENT OF AVERAGE MARKS (out of 25)		67.19

**Note: Department/Subject teacher has flexibility to decide criterias of CA
i.e. quizzes, assignments, open book tests, presentations etc...**

T.S. Danekar

 Subject Teacher




 H. O. D.
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Er

Academic Year: 2020-21
 Subject: DME I
 Name of Subject Teacher: Y S Danekar

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% Continuous Assessment +60% Univ result(TH)+ 10% Univ oral result	Indirect Assessment (IDA)		CO Attainment	PO1	
			Unit Test (20%)			CA (10%)		Subject Result (60%)		PR/OR/TW (10%)			Course Exit Survey	Mapping			
			UT1	UT 2	UT 3	Mapping	CA	Mapping	% result of Sub.	Mapping	% Result of PR / OR / TW				Mapping		
CO-1	Student will be able to understand fundamentals of gear theory which will be the prerequisite for gear design.	2-Understand	66.67			3.0	69.00	3	94.16	3.0	100.00	3.0	3.00	88.89	3.0	3.00	3
CO-2	Student will be able to perform force analysis of Spur, Helical, Bevel, Worm and Worm gear.	3-Apply	55.56			2.0	69.00	3	94.16	3.0	100.00	3.0	2.8	77.78	3.0	2.84	3
CO-3	The student to analyze speed and torque in epicyclic gear trains which will be the prerequisite for gear box design.	4-Analyze		66.67		0.0	69.00	3	94.16	3.0	100.00	3.0	2.4	77.78	3.0	2.52	3
CO-4	Student will be able to design cam profile for given follower motions and understand cam Jump phenomenon, advance cam curves.	6-Create		66.67		0.0	69.00	3	94.16	3.0	100.00	3.0	2.4	88.89	3.0	2.52	3
CO-5	The student will synthesize a four bar mechanism with analytical and graphical methods.	6-Create			80.65	3.0	69.00	3	94.16	3.0	100.00	3.0	3.0	77.78	3.0	3.00	3
CO-6	a) The student will analyze the gyroscopic couple or effect for stabilization of Ship, Aeroplane and Four wheeler vehicle.	4-Analyze			80.65	3.0	69.00	3	94.16	3.0	100.00	3.0	3.0	66.67	3.0	3.00	3

Mapping Criteria -->

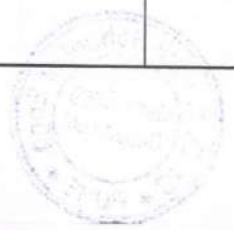
Marks >=60: Level 3

Marks >=50: Level 2

Marks >=40: Level 1

Av
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 of I
 3

Y.S. Danekar
 Subject Teacher



H.O.D.
 Dept. of Mechanical Engg.
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Development Through Quality Technical Education

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Charholi (Bk), Lohegaon, Pune - 412 105

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

Department of Mechanical Engineering

Form No. IQAC/36

PO-PSO Attainment

Semester:

Class:

Div:

Sl. No.	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	2	2	1	1													1	1					1	1	1	1		
3	2	2	1	1													1	1					1	1	1	1		
3	3	3	2	2													1	1					1	1	1	1		
3	3	3	1	1																			1	1	2	2		
3	3	3			1	1																	1	1	1	1		
3	3	3	1	1																		1	1	2	2			
ent	Avg. Attainment of PO-2		Avg. Attainment of PO-3		Avg. Attainment of PO-4		Avg. Attainment of PO-5		Avg. Attainment of PO-6		Avg. Attainment of PO-7		Avg. Attainment of PO-8		Avg. Attainment of PO-9		Avg. Attainment of PO-10		Avg. Attainment of PO-11		Avg. Attainment of PO-12		Avg. Attainment of PSO-1		Avg. Attainment of PSO-2		Avg. Attainment of PSO-3	
-1	2.67		1.20		1.00												1.00					1.00		1.33				

Y.S. Danekar
Subject Teacher



H. O. D.
Dept. of Mechanical Engg.
Dr. D. Y. Patil School of Engg., Lohegaon, Pune.



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 Website: <https://dypsoc.in/>
Department of Mechanical Engineering Form No. IQAC/36

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
TE (E)- DME I	CO-1	3.00	3.00	3.00	2.00	2.00	1.00	1.00													1.00	1.00				1.00	1.00	1.00	1.00			
	CO-2	2.84	3.00	3.00	2.00	2.00	1.00	1.00													1.00	1.00				1.00	1.00	1.00	1.00			
	CO-3	2.52	3.00	3.00	3.00	3.00	2.00	2.00													1.00	1.00				1.00	1.00	1.00	1.00			
	CO-4	2.52	3.00	3.00	3.00	3.00	1.00	1.00																		1.00	1.00	2.00	2.00			
	CO-5	3.00	3.00	3.00	3.00	3.00			1.00	1.00																1.00	1.00	1.00	1.00			
	CO-6	3.00	3.00	3.00	3.00	3.00	1.00	1.00																	1.00	1.00	1.00	1.00	2.00	2.00		
				Avg. Attainment of PO-1	Avg. Attainment of PO-2	Avg. Attainment of PO-3	Avg. Attainment of PO-4	Avg. Attainment of PO-5	Avg. Attainment of PO-6	Avg. Attainment of PO-7	Avg. Attainment of PO-8	Avg. Attainment of PO-9	Avg. Attainment of PO-10	Avg. Attainment of PO-11	Avg. Attainment of PO-12	Avg. Attainment of PSO-1	Avg. Attainment of PSO-2	Avg. Attainment of PSO-3														
			3.00	2.67	1.20	1.00						1.00									1.00			1.00		1.00		1.33				

T.S. Danekar
 JSN
 Subject Teachers



[Signature]
 H. O. D.
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Department of Computer Engineering

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	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)



Head of the Department
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Via Lohegaon, Charholi Bk., Pune-412 105



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

Department of Computer Engineering

Course Outcomes (COs):

Form No. IQAC/36

Academic Year.: 2020-21

Subject: Theory of Computation

Class:TE

Semester: 1

Div: A

Name of Subject Teacher: Prof. Chaitanya Bhosale

CO No.	BT level	Students will be able to
CO-1	2-Understand	Understand formal language, translation logic, essentials of translation, alphabets, language representation and apply it to design Finite Automata and its variants
CO-2	2-Understand	Construct regular expression to present regular language and understand pumping lemma for RE
CO-3	3-Apply	Design Context Free Grammars and learn to simplify the grammar
CO-4	4-Analyze	Construct Pushdown Automaton model for the Context Free Language
CO-5	5-Evaluate	Design Turing Machine for the different requirements outlined by theoretical computer science
CO-6	2-Understand	Understand different classes of problems, classify and analyze them and study concepts of NP completeness

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"

Chaitanya
Prof. Chaitanya Bhosale



[Signature]
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Via Lohegaon, Pune - 412 105



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Department of Computer Engineering

Program Outcomes (POs):

Form No. IQAC/36

Engineering Graduates will be able to:

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	Design/development of solutions: 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.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
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 societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	Project management and finance: 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.
12	Life-long learning: 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.

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Department of Computer Engineering

Program Specific Outcomes (PSOs):

Form No. IQAC/36

A graduate of the program will

O-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.
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.
O-3	Successful Career and Entrepreneurship- The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies.

Prof. Chaitanya Bhosale





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Department of Computer Engineering

CO-PO-PSO Mapping

Form No. IQAC/36

Academic Year: 2020-21

Semester: 1

Subject: Theory of Computation

Class: TE

Div: A

In-charge of Subject Teacher: Prof. Chaitanya Bhosale

PO	BT LEVEL	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	2-Understand	3	3	2	2	1							2	3		
2	2-Understand	3	3	2	2	1							1			
3	3-Apply	3	3	2	2	1							1	1	2	
4	4-Analyze	3	3	2	2	1							1	1	2	
5	5-Evaluate	3	3	3	2	1							2	1	2	
6	2-Understand	3	3	3	3	1							1	2		
Average		3.00	3.00	2.33	2.17	1.00	-	-	-	-	-	-	1.33	1.60	2.00	-
Grade		3	3	3	3	1							2	2	2	

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

Chaitanya Bhosale
Prof. Chaitanya Bhosale



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Charholi (Bk), Lohegaon, Pune - 412 105

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

Department of Computer Engineering

Test Marks [Direct Assessment-Internal]

Form No. IQAC/36

Unit Test Number: I

Date: 22/09/2020

Academic Year: 2020-21

Semester: I

Subject: Theory of Computation

Max. Marks: 30

Name of Subject Teacher: Prof. Chaitanya Bhosale Class: TE

Div: A

Roll No.	Name of the Student	Q. 1 to Q. 20		Q. 21 Or Q. 40	
		CO1		CO2	
		Marks	Mapping level	Marks	Mapping level
		15 (Select Best out of 20)		15 (Select Best out of 20)	
		Marks Obtained		Marks Obtained	
1	SIDDHANT ADASKAR	11	3	12	3
2	ANIRUDH MHASKE	13	3	13	3
3	ASHWINI PATIL	9	3	10	3
4	ANKUSH BHANDARI	12	3	12	3
5	CHANDANI KUMARI	13	3	14	3
6	ABHISHEK CHATTAR	10	3	11	3
7	KAUSTUBH CHAUDHARI	10	3	10	3
8	ANKITA CHAVHAN	12	3	13	3
9	DEVAKSH BHAGAT	11	3	12	3
10	FIZA AZAM	14	3	14	3
11	KARAN GADALE	13	3	13	3
12	SAMARTH GAIKWAD	10	3	11	3
13	SIDDHESH GAIKWAD	12	3	13	3
14	PRASHANT GALPHADE	11	3	12	3
15	OMKAR GODHAM	13	3	13	3
16	HUSSAIN RANGWALA	13	3	13	3
17	ABHISHEK JADHAV	11	3	12	3
18	ADITYA JADHAVAR	13	3	13	3
19	VAIBHAV JOGDAND	10	3	11	3
20	ATHARV JOSHI	9	3	9	3
21	RUTURAJ JUGDAR	12	3	13	3
22	JYOTI PRAKASH SINGH	11	3	12	3
23	ADARSH DATTARAM KAJREKAR	12	3	12	3
24	DIPTI KALE	12	3	13	3
25	KALPANA KUMARI	11	3	12	3
26	KALYANI CHOPADE	11	3	12	3
27	SANKET KAMBLE	11	3	12	3
28	MANOJ KAMTHE	12	3	13	3
29	SOHAM KAMTHE	11	3	12	3
30	SAMREEN KARAJAGI	10	3	10	3
31	AJAYKUMAR KHAMBHAYTA	12	3	13	3
32	SWARAJ KOKATE	12	3	13	3
33	RUSHIKESH LOKHANDE	12	3	12	3
34	NITIN MISHRA	11	3	12	3
35	RAHUL MALI	12	3	12	3
36	FAISAL MOMIN	12	3	12	3
37	SOHAIL MUJAWAR	11	3	12	3
38	NAMRATA HARKE	12	3	13	3
39	NANDINI LAVALE	12	3	12	3
40	NAZIA	12	3	13	3
41	YASH NIMBALKAR	12	3	13	3

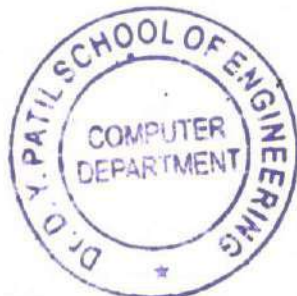
42	OMKAR UTTEKAR	12	3	12	3
43	AISHWARYA PATIL	12	3	12	3
44	BHAVESH PAWAR	13	3	13	3
45	MANSI PAWAR	13	3	14	3
46	PRAVIN PAYGHAN	13	3	13	3
47	ABHIJEET PITLEWAD	13	3	13	3
48	PRATIMA GAIKWAD	13	3	13	3
49	PUSHKAR MAHAJAN	9	3	10	3
50	PUSHKAR RAHANE	10	3	11	3
51	RISHA BARERIA	11	3	12	3
52	ANKITA RODE	12	3	13	3
53	SANDESH KHORE	12	3	13	3
54	SHUBHAM SARODE	12	3	12	3
55	ZOHA SAYYED	13	3	13	3
56	SAKSHI BARVE	13	3	13	3
57	PAKSHIT AHER	11	3	12	3
58	ANMOL KUMAR SRIVASTAVA	9	3	10	3
59	AYUSH THAKKAR	10	3	10	3
60	ASHWIN BALI	9	3	10	3
61	AJIT CHOUHAN	11	3	12	3
62	UDDHAV KENDRE	AB	NA	AB	NA
63	DAKSHIT MAHADESHWAR	12	3	13	3
64	HEMANTKUMAR NIKOLE	NA	NA	NA	NA
65	NISHID WALDE	12	3	12	3
66	SOHAN SURALKAR	12	3	12	3
67	VEENISH MOURYA MOURYA	12	3	12	3
68	KARTIK YAMGAR	6	1	6	1
69	MATKAR ABHAY BHAIKAVNATH	13	3	14	3
70	BALAJI KAKU KONDAYYA	11	3	12	3
Total no of students attempted the question		68		68	
Total no of students securing more than 60%			67		67
Total no of students securing more than 50%			0		0
Total no of students securing more than 40%			1		1
Percentage		98.53		98.53	
CO Addressed		CO-1		CO-2	

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

CO	Average	Mapping
CO1	98.53	3.00
CO2	98.53	3.00
CO3		
CO4		
CO5		
CO6		

NOT Addressed

Chaitanya
Prof. Chaitanya S. Shirsale



J. S.
Head of the Department
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