



AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



DEPARTMENT OF FIRST YEAR ENGINEERING

ANNUAL REPORT

(01 JUNE 2022 to 31 MAY 2023)

TERM ONE: 01 June 2022 to 30 November 2022

TERM TWO: 01 December 2022 to 31 May 2023

Academic Year 2022 – 23

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1. PROFILE OF DEPARTMENT

1.1 INTRODUCTION

Year of Establishment	1992
UG Program	NA
PG Program	NA
Number of Teaching Staff	32
Number of Non-Teaching Staff	06

1.2 LABORATORIES IN THE DEPARTMENT

Name of Laboratory	Name of Laboratory
Physics Lab	Chemistry Lab

1.3 SOFTWARES AVAILABLE IN THE DEPARTMENT

Software Available
NIL

1.4 FACULTY IN THE DEPARTMENT

Name of faculty	Designation	Name of faculty	Designation
Dr. DVNighot	Asso. Professor	Prof. ST Gade	Assist. Professor
Dr. M K Nikam	Asso. Professor	Prof.SSPatil	Assist. Professor
Dr. S K Upasani	Asso. Professor	Prof. SSKhasbage	Assist. Professor
Dr. N N Shejwal	Asso. Professor	Dr. V S Kalyani	Assist. Professor
Prof.V R Patil	Assist. Professor	Prof. M S Nikam (Service end on 18/03/2023)	Assist. Professor
Prof. AYKazi	Assist. Professor	Prof. S T Surase	Assist. Professor
Prof. S P Bhosale	Assist. Professor	Prof. B A Patil	Assist. Professor
Dr. A B Patil	Assist. Professor	Prof. K B Kshirsagar	Assist. Professor
Prof. A B Thakare	Assist. Professor	Dr. P D Baviskar	Assist. Professor
Dr. S A Virkar	Assist. Professor	Prof. A A Gupta	Assist. Professor

Prof. Y B Karandikar	Assist. Professor	Prof. B S Suryavanshi	Assist. Professor
Prof. P G Kokare	Assist. Professor	Dr. A B Dhumure	Assist. Professor
Prof. YR Chandwade	Assist. Professor	Prof. S A Kothari (Joined on 18/4/2023)	Assist. Professor
Prof. S H Lavate	Assist. Professor	Prof. K G Choudhari (Joined on 17/4/2023)	Assist. Professor
Prof. M A D'Cruz	Assist. Professor	Prof. R S Dudhmal	Assist. Professor
Prof. S B Patil	Assist. Professor	Dr. M Gouratra (Joined on 11/4/2023)	Assist. Professor
Prof. AM Shete	Assist. Professor	Prof. A V Wakchaure (Joined on 01/06/2023)	Assist. Professor
Prof. Almas Ambreen	Assist. Professor	Prof. V V Kulkarni (Transferred to Electrical department on 18/4/2023 Prof. S S Bhuinyan Prof. P R Satarkar (Transferred to Civil Department on 19/4/2023)	Assist. Professor

1.5 DETAILS OF SUPPORTING STAFF

Name of Non-Teaching Staff	Designation	Name of Non-Teaching Staff	Designation
Mr. J R Patil	Senior Lab Assistant	Mr. R D Rode	Lab Assistant
Mr. S S Mate	Lab Attendant	Mr. K A Alhat	Lab Attendant
Mr. S N Mane	Attendant	Mr. R H Balkawade	Lab Assistant

1.6 STUDENTS' ENROLLMENT

Programme	GEN		SC		ST		OBC		PWD		Others		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Computer	43	12	6	3	4	1	23	4	0	0	30	8	106	28	134

Chemical	3	6	6	2	0	0	9	6	0	0	22	6	40	20	60
Civil	25	3	10	3	1	0	17	6	0	0	40	13	93	25	118
Electrical	10	8	6	3	1	0	5	4	0	0	15	5	37	20	57
E&TC	24	9	4	1	0	0	9	3	0	0	12	8	49	21	70
Mechanical	23	8	14	2	1	0	21	7	0	0	43	8	102	25	127
Production SW	0	1	0	0	0	0	0	0	0	0	3	0	3	1	4
Mechanical SW	4	3	2	1	0	0	4	4	0	0	17	1	27	9	36
Robotics & Automation	8	7	0	3	0	0	4	3	0	0	6	2	18	15	33
Total Admitted students in 2022-23															639

1.7 STUDENTS–FACULTY FEEDBACK DETAILS

TERM ONE				
Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
Dr. A.B. Dhumure	Chemistry	57	75	66
	Chemistry	66	77	72
Dr. A.B.Patil	EM I	85	86	86
	EM I	88	86	87
Dr. M. K. Nikam	EM I	78	89	84
	EM I	82	90	86
Dr. N.N.Shejwal	Physics	68	82	75
Dr. P.D.Baviskar	Chemistry	76	85	81
Dr. S. A. Virkar	Physics	76	88	82
	Physics	85	88	87

Dr. S.K.Upasni	Physics	75	81	78
	Physics	61	78	70
Dr. V.S.Kalyani	Chemistry	76	81	79
Dr. P.D.Baviskar	Chemistry	69	81	75
Prof. M. S. Nikam	EM I	79	84	82
Prof. A.B.Thakare	EM I	75	78	77
	EM I	85	87	86
	EM I	70	75	73
Prof. A.M.Shete	ES-I	77	91	84
	ES-I	85	86	86
	EM	84	85	85
Prof. A.Y.Kazi	BXE	80	82	81
	BXE	82	79	81
Prof. Almas Ambreen	BEE	87	91	89
	BEE	79	88	84
Prof. Ankita Gupta	PPS	92	93	93
	PPS	93	95	94
Prof. B. A. Patil	PPS	91	94	93
Prof. B. S. Bobdey	BEE	79	84	82
	BEE	82	84	83
Prof. M. A. D'cruz	ES-I	81	84	83
Prof. M. S. Nikam	EM I	79	85	82
	EM I	79	78	79
Prof. M.A.D'cruz	ES-I	93	89	91
	EM	93	93	93
Prof. P. G. Kokare	SME	91	87	89

Prof. P. R. Satarkar	ES-I	76	76	76
	ES-I	76	84	80
	EM	85	74	80
Prof. R. S. Dudhmal	PPS	85	87	86
	PPS	93	80	87
Prof. S. S. Bhuniyan	ES-I	71	82	77
	ES-I	85	87	86
	EM	91	90	91
Prof. S. T. Gade	SME	84	88	86
	SME	81	86	84
Prof. S.B.Patil	ES-I	78	85	82
	ES-I	91	89	90
	EM	92	91	92
Prof. S.H.Lavate	BXE	75	75	75
	BXE	88	86	87
Prof. S.P.Bhosale	BXE	63	73	68
Prof. S.S.Khasbage	SME	80	85	83
	SME	75	82	79
Prof. S.S.Patil	SME	80	79	80
Prof. V. V. Kulkarni	BEE	60	74	67
Prof. V.R.Patil	SME	82	75	79
Prof. Y. B. Karandikar	SME	92	91	92
	SME	79	91	85
Prof. Y. R. Chandwade	SME	89	90	90

TERM TWO

Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
Dr. A. B. Patil	EM II	81	85	83
Dr. M. Gauratra	EM II	71	77	74
	EM II	66	74	70
Dr. M. K. Nikam	EM II	79	84	82
Dr. S. A. Virkar	Physics	65	70	68
Dr. A. B. Dhumure	Chemistry	83	86	85
	Chemistry	87	87	87
Dr. A. B. Patil	EM II	90	90	90
	EM II	92	88	90
Dr. D. V. Nighot	Chemistry	90	83	87
Dr. M. K. Nikam	EM II	79	81	80
	EM II	81	73	77
Dr. N. N. Shejwal	Physics	66	78	72
	Physics	60	84	72
Dr. P. D. Baviskar	Chemistry	67	80	74
Dr. S. K. Upasani	Physics	80	83	82
	Physics	73	77	75
Dr. V. S. Kalyani	Chemistry	84	89	87
Prof. A. B. Thakare	EM II	91	90	91
	EM II	86	89	88
Prof. A. V. Wakchaure	ES-II	56	88	72
	EM	63	88	76
	ES-II	54	79	67
Prof. Ankita Gupta	PPS	91	86	89

Prof. M. A. D'cruz	ES-II	93	90	92
Prof. S. A. Kothari	ES-II	78	88	83
	EM	79	89	84
Prof. S. P. Bhosale	BXE	72	75	74
Prof. V. R. Patil	EG	92	90	91
Prof. A. M. Shete	EM	92	87	90
	ES-II	79	84	82
Prof. A. Y. Kazi	BXE	75	77	76
Prof. A.M.Shete	ES-II	90	86	88
Prof. Almaas Ambreen	BEE	90	90	90
	BEE	89	82	86
Prof. B. A. Patil	PPS	87	93	90
	PPS	93	92	93
Prof. B. S. Bobdey	BEE	83	88	86
	BEE	81	73	77
Prof. Karuna Chaudhari	BEE	85	84	85
Prof. M. A. D'cruz	ES-II	85	90	88
	EM	86	91	89
Prof. P. G. Kokare	EG	86	86	86
	EG	78	90	84
Prof. R. S. Dhudhmal	PPS	87	83	85
	PPS	88		88
Prof. S. A. Kothari	ES-II	68	82	75
Prof. S. B. Patil	EM	96	94	95
	ES-II	77	87	82
Prof. S. H. Lavate	BXE	94	89	92

	BXE	94	88	91
Prof. S. P. Bhosale	BXE	76	79	78
Prof. S. T. Gade	EG	82	87	85
Prof. S.B.Patil	ES-II	93	93	93
Prof. S.S.Khasbage	EG	88	80	84
Prof. S.S.Patil	EG	83	85	84
Prof. V.R.Patil	EG	88	89	89
Prof. Y. B. Karandikar	EG	93	88	91
Prof. Y. R. Chandwade	EG	91	89	90
	EG	93	90	92

1.8 RESULT ANALYSIS (LAST TERM) (Academic Year: 2022-23)

TERM ONE					
Name Of Faculty	Class And Subject Taught	% Passing	Name Of Faculty	Class And Subject Taught	% Passing
A M Shete	CHEMICAL	31.03	M S Nikam	MECH S/W & RA	36.23
A Y Kazi	CHEMICAL	58.62		MECH-A	54.69
	ELECTRICAL & PRODUCTION S/W	62.71		MECH-B	55.74
A. B. Thakare	CIVIL-A	30.51	Dr.P D Baviskar	CHEMICAL	37.93
	CIVIL-B	22.81		E&TC	65.15
	E&TC	74.63	P G Kokare	E&TC	74.63
Almas Ambreen	COMP-A	83.58	P R Satarkar	CIVIL-A	23.73
	COMP-B	79.1	R S Dudhmal	MECH S/W & RA	73.91
Ankita Gupta	COMP-A	94.03		MECH-B	75.41

	MECH-A	67.19	S B Patil	ELECTRIC AL & PROD S/W	38.33
B A Patil	COMP-B	97.01	S H Lavate	CIVIL-A	35.59
B S Bobdey	MECH-A	37.5		CIVIL-B	22.81
	MECH-B	44.26	S S Bhuniyan	CIVIL-B	17.54
Dr A B Dhumure	CIVIL-A	27.12	S S Patil	CIVIL-B	59.65
	CIVIL-B	17.54	S. P. Bhosale	E&TC	65.67
Dr. N N Shejwal	MECH S/W & RA	31.88	S. S. Khasbage	CHEMICAL	68.97
Dr. S A Virkar	COMP-A	87.88		ELECTRIC AL & PROD S/W	71.67
	COMP-B	77.61	S.T. Gade	MECH-A	92.19
Dr. S K Upasani	MECH-A	56.25		MECH-B	85.25
	MECH-B	49.18	V V Kulkarni	MECH S/W & RA	30.43
Dr. V. S. Kalyani	ELECTRICA L & PROD S/W	55	V. R. Patil	CIVIL-A	62.71
Dr. A.B.Patil	CHEMICAL	37.93	Y B Karandikar	COMP-A	89.55
	ELECTRICA L & PROD S/W	44.07		COMP-B	94.03
M A D'Cruz	E&TC	59.7	Y.R Chandwade	MECH S/W & RA	78.26
Dr. M K Nikam	COMP-A	77.27			
	COMP-B	83.58			

TERM TWO					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
A M Shete	COMP-B EM	75.76	K G Choudhari	CIVIL-B BEE	36.54
A V Wakchaure	MECH-A EM	54.1	M A D'Cruz	MECH S/W & RA EM	50.75
A Y Kazi	MECH S/W & RA BXE	62.12	Dr.M K Nikam	E&TC EM-II	57.38
A. B. Thakare	MECH-A EM-II	50.82		ELECTRIC AL & PROD S/W EM-II	33.33
	MECH-B EM-II	50		CHEMICAL EM-II	21.05
Almas Ambreen	E&TC BEE	75.41	M S Nikam	CIVIL-B EM-II	9.62
	ELECTRICAL & PROD S/W BEE	47.46	P D Baviskar	MECH S/W & RA CHEM	47.76
Ankita Gupta	CIVIL-A PPS	59.62	P G Kokare	MECH-A EG	78.69
B A Patil	CIVIL-B PPS	43.14		CIVIL-B EG	55.77
	E&TC PPS	78.69	R S Dudhmal	ELECTRIC AL & PROD S/W PPS	50.85
B S Bobdey	CIVIL-A BEE	44.23		CHEMICAL PPS	68.42
	CHEMICAL BEE	43.86	S A Kothari	MECH-B EM	58.33
Dr A B Dhumure	MECH-B CHEM	60	S B Patil	COMP-A EM	80.3

	COMP-A CHEM	86.57	S H Lavate	COMP-A BXE	89.55
Dr D V Nighot	COMP-B CHEM	81.82		COMP-B BXE	83.33
Dr Mridusmita Gauratra	CIVIL-A EM-II	23.08	S S Patil	ELECTRIC AL & PROD S/W EG	86.44
Dr. N N Shejwal	CIVIL-A PHY	55.77	S. P. Bhosale	MECH-A BXE	65.57
	CIVIL-B PHY	36.54		MECH-B BXE	65
Dr. S A Virkar	CHEMICAL PHY	63.16	S. S. Khasbage	CHEMICAL EG	71.93
Dr. S K Upasani	E&TC PHY	81.97	S.T.Gade	CIVIL-A EG	86.79
	ELECTRICA L & PROD S/W PHY	54.24	V. R. Patil	MECH-B EG	88.33
Dr. V. S. Kalyani	MECH-A CHEM	65.57		COMP-A EG	91.04
Dr.A.B.Patil	COMP-A EM-II	80.6	Y B Karandikar	COMP-B EG	93.94
	COMP-B EM-II	75.76		E&TC EG	91.8
	MECH S/W & RA EM-II	29.85	Y.R Chandwade	MECH S/W & RA EG	84.85

1.9 CLASS RESULT ANALYSIS (LAST TERM) (Academic Year: 2022-23)

TERM ONE												
S N	Class	No. Of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9 -10)	Excellent (A+) (8.5 – 8.99)	Very Good (A) (7.5 – 8.49)	Good (B+) (6.5 – 7.49)	Above Average (B) (5.5 – 6.49) / Average Class	Pass class	Fail (F) 0 – 3.99	All Clear	
1	Mech-A	64	22	0	0	5	9	8	0	0	42	34.3 8
2	Mech-B	61	23	0	2	6	11	4	0	0	38	37.7
3	Mech S/w & RA	69	17	0	0	5	8	4	0	0	52	24.6 4
4	Comp-A	67	49	5	10	18	13	3	0	0	18	73.1 3
5	Comp-B	67	49	6	11	15	16	1	0	0	18	73.1 3
6	Civil-A	59	10	0	0	1	7	2	0	0	49	16.9 5
7	Civil-B	57	6	0	0	1	3	2	0	0	51	10.5 3
8	E&TC	67	33	0	0	8	22	3	0	0	34	49.2 5
9.	Electrical & Prod S/W	60	17	0	1	3	7	6	0	0	43	28.3 3
10	Chemical	58	10	0	1	1	8	0	0	0	48	17.2 4
	Total	629	236	11	25	63	104	33	0	0	393	

TERM TWO												
S N	Class	No. Of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9 -10)	Excellent (A+) (8.5 – 8.99)	Very Good (A) (7.5 – 8.49)	Good (B+) (6.5 – 7.49)	Above Average (B) (5.5 – 6.49)	Average / Pass Class	Fail (F) 0 – 3.99	All Clear	With ATKT
1	Mech-A	61	19	0	1	5	8	5	0	10	31.15	52.46
2	Mech-B	60	23	1	1	4	13	4	0	12	38.33	41.67
3	Mech S/W & RA	67	13	0	1	5	6	1	0	22	19.4	47.76
4	Comp-A	67	47	4	9	19	12	3	0	5	70.15	22.39
5	Comp-B	66	45	6	7	19	10	3	0	3	68.18	27.27
6	Civil-A	53	10	0	0	2	6	2	0	20	18.87	43.4
7	Civil-B	52	3	0	0	2	1	0	0	28	5.77	40.38
8	E&TC	61	32	0	1	10	19	2	0	6	52.46	37.7
9.	Electrical & Prod S/W	59	14	0	1	4	8	1	0	17	23.73	47.46
10	Chemical	57	10	0	0	3	7	0	0	16	17.54	54.39
	Total	603	216	11	21	73	90	21	0	139	35.82	41.13

2. FACULTY CONTRIBUTION

2.1 ACHIEVEMENTS OF FACULTY (AWARDS, RECOGNITION, PHD COMPLETION ETC.)

TERM ONE		
SN	Name of Faculty	Awards & Recognition
1	Dr. N N Shejwal	Vidnyan Shikshak Sanman from Marathi Vidnyan Parishad
2	Dr. N N Shejwal	Felicitation by Regional Blood Bank Sasoon Hospital for arranging Blood Donation Camp
3	S T Surase	NPTEL-Gold +Elite Medal
4	B A Patil	NPTEL -Gold+ Elite Medal
5	Ankita Gupta	NPTEL-Gold + Elite Medal

TERM TWO		
SN	Name of Faculty	Awards & Recognition
1	Dr. D V Nighot	Recognition as a Ph.D. Guide in Chemistry - SPPU Pune
2	Dr. A. B. Patil	Recognition as a Ph.D. Guide in Mathematics- SPPU Pune

2.2 CONTRIBUTION OF FACULTY (Interaction with outside world)

TERM TWO		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1	Dr. M K Nikam	Subject Expert for Engg Mathematics in Staff Selection Committee at L G M Institute of Engg and Research, Nasik

2.3 e CONTENT DEVELOPED BY FACULTY AND AVAILABLE ONLINE

TERM ONE				
Sr No.	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content
1	Dr.D V Nighot	Engineering Chemistry	Class notes, PPTs, MCQs,	https://drive.google.com/drive/u/0/my-drive
2	Prof. VRPatil	FE Website-SME,PPTS,Whatsapp	MCQs, You tube videos	https://sites.google.com/aissmscoe.com/bme/home
3	Dr. MK Nikam	Google Classrooms	Assignments, MCQs, Quiz	https://classroom.google.com/c/NDU2MDkxODgxNTM3 , https://classroom.google.com/c/NDUzNTgxNTg3NTUw
4	Dr. S. K. Upasani	FE Website,Whats App ,Google Quiz	Quiz,Assignment,MC Qs on google drive	https://sites.google.com/aissmscoe.com/
5	Dr.N.N.Shejwal	Whats App, MTeam	Quiz,Assignment,MC Qs on google drive	https://docs.google.com/forms/d/1IPn4Eh2WilvEhaqZhn3LORGKSN7t2uSkkUSXN-ICziM/edit
6	Prof. A. Y. Kazi	FE Website	Assignments, MCQs, You tube links	https://sites.google.com/aissmscoe.com/bxe/home
7	Prof. S.P. Bhosale	FE Website, WhatsApp	Assignments, MCQs, You tube links	https://sites.google.com/aissmscoe.com/bxe/home
8	Prof. V.V. Kulkarni	FE Website,Whats App ,Google Quiz	Google Drive, Google Classroom, BEE Website, You tube Videos	https://sites.google.com/aissmscoe.com/bee/home
9	Dr. A. B. Patil	Engineering Mathematics	YouTube Channel	https://www.youtube.com/channel/UCzjDSJS5_y1VTwhyqC31qT

				A
10	Prof. A. B. Thakare	FE Website, WhatsApp FE WEBSITE ; Google Quiz , MSTeams	Assignments, University Question Papers, MCQ's Notes-Presentation, Quiz; Assignments	https://sites.google.com/aissmscoe.com/maths2/home?authuser=0
11	Dr. S. A. Virkar	FE Website, WhatsApp	MCQ, PPT, Quiz	https://sites.google.com/aissmscoe.com/
12	Prof. Y.B.Karandikar	FE Website, WhatsApp	Assignments, University Question Papers, MCQ's	https://sites.google.com/aissmscoe.com/maths2/home?authuser=0
13	Prof. P.G.Kokare	FE Website, WhatsApp	MCQ, PPT, Quiz	https://sites.google.com/aissmscoe.com/
14	Prof. Y.R. Chandwade	website	SME Website	https://sites.google.com/aissmscoe.com/bme/home
15	Prof.S H Lavate	FE Website, WhatsApp Google Classroom	MCQ's Notes-Presentation, Quiz; Assignments You tube Videos	https://classroom.google.com/u/1/c/NjA0MzY1MjI1Mjk4 https://classroom.google.com/u/1/c/NjA0MzY0Mzg5MjYy
16	Prof. M. A. D'Cruz	Google Classrooms	AC-I Activities and Logos, EM Student Centric Activities Quiz	https://classroom.google.com/c/NDUwNTQyNTcyNDc5?cjc=g36cvtb https://classroom.google.com/c/NDUwNTMwNzM5Nzk0?cjc=yaa jr76
		Google Classroom	Lecture Recordings, Assignments, MCQs	https://classroom.google.com/c/NDUwNTQyNTcyNDQy?cjc=gy7ieru
17	Prof. S. B. Patil	Google Drive, Google Classroom, EM Website, Youtube Videos	Google Drive, Google Classroom, EM Website, You tube Videos	https://sites.google.com/aissmscoe.com/em/home

18	Prof. A.M. Shete	Google Drive, Google Classroom, EM Website, You tube Videos	Google Drive, Google Classroom, EM Website, You tube Videos	https://sites.google.com/aissmscoe.com/em/home
19	Prof. Almas Ambreen	Google Drive, Google Classroom, BEE Website, You tube Videos	Google Drive, Google Classroom, BEE Website, You tube Videos	https://sites.google.com/aissmscoe.com/bee/home
20	Prof. B.S. Bobdey	Notes,PPT,e-videos ,MCQ	Prepared BEE e content for Unit I,II,III,IV	https://sites.google.com/aissmscoe.com/bee/home
21	Prof S. T. Gade	Notes,PPT,e-Videos,LabManual,MCQ,	Made SME subject e-content for Unit No.01/Google Site	https://sites.google.com/aissmscoe.com/bme/home
22	Prof. S. S. Patil	No Data	Quiz,Assignment,MCQs on google drive	https://drive.google.com/drive/u/2/folders/1GzdyTQppqIRU725bv0bQKwDmiGtO9ITG
23	Prof. S. S. Khasbage	FE Website-SME,PPTS,Whatsapp	MCQs, You tube videos	
24	Dr. V.S. Kalyani	Google Classroom, Youtube video, FE website	Google Drive, Google Classroom, Engg Chem Website, You tube Videos	https://sites.google.com/aissmscoe.com/chem/home
25	Prof. M. S. Nikam	Google Classroom, Youtube video, FE website	Google Drive, Google Classroom, You tube Videos.	AISSMS EM-I (google.com), https://studio.youtube.com/channel/UCut5znM9g2LfV7k7-8v0XDHA/videos
26	Prof. S T Surase	Google Classroom, Youtube video	Google Drive, Google Classroom, You tube Videos.	https://youtube.com/channel/UC7F4fmMsTxr0FsEHjSkxTcg
27	Prof. B A Patil	FE Website, Google drive	PPS Website, Google drive, MCQs, YouTube Videos for PPS and other topics	https://sites.google.com/aissmscoe.com/pps https://youtu.be/bx_VFj_3G_M

			videos for students	https://youtu.be/OnBHfonciJY
28	Prof. K B Kshirsagar	Google Classroom	Google Drive, Google Classroom,	
29	Dr. P D Baviskar	Fuels	Lecture regarding Fuels and Types of fuels	https://www.youtube.com/watch?v=qGEml9m3S2Y&t=2437s
30	Prof. A A Gupta	FE Website, Google drive	PPS Website, Google drive, MCQs, Youtube Videos for PPS and other topics videos for students	https://sites.google.com/aissmscoe.com/pps https://youtu.be/zh9N3pX9AxU https://youtu.be/0h-oY52rALg
31	Dr. A B Dhumure	Notes, PPT, e-videos, MCQ	Prepared e content for Unit I, II, III, IV	https://sites.google.com/aissmscoe.com/chem/home
32	Prof. R S Dudhmal	Notes, PPT, e-videos, MCQ	Prepared BEE e content for Unit I, II, III, IV	https://sites.google.com/aissmscoe.com/bee/home

TERM TWO				
S. No.	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content
1	Dr. D. V. Nighot	Engineering Chemistry	Class notes, PPTs, MCQs,	https://drive.google.com/drive/u/0/my-drive
2	Prof. V.R. Patil	FE Website-SME, PPTS, Whatsapp	MCQs, You tube videos	https://sites.google.com/aissmscoe.com/sme/home
3	Dr. M. K. Nikam	Google Classrooms	Assignments, MCQs, Quiz	https://classroom.google.com/c/NDU2MDkxODgxNTM3 https://classroom.google.com/c/NDUzNTgxNTg3NTUw
4	Dr. S. K. Upasani	FE Website, WhatsApp, Google Quiz	Quiz, Assignment, MCQs on google drive	https://docs.google.com/forms/d/1dkJy0P0RlXl0hWzESgrwObG_N2Zs9CHXYLvOGN1DvTA/edit?usp=sharing

5	Dr. N N Shejwal	Whats App	Quiz, Assignment, MCQs on google drive	https://docs.google.com/forms/d/1IPn4Eh2WlvEhaqZhn3L0rGKSN7t2uSkkUSXN-ICziM/edit
	Prof. A. Y. Kazi	FE Website	Assignments, MCQs, You tube links	https://sites.google.com/aissmscoe.com/bxe/home
6	Prof. S.P. Bhosale	FE Website, WhatsApp	Assignments, MCQs, You tube links	https://sites.google.com/aissmscoe.com/bxe/home
7	Prof. V.V. Kulkarni	FE Website, Whats App ,Google Quiz	Google Drive, Google Classroom, BEE Website, You tube Videos	https://sites.google.com/aissmscoe.com/bee/home
8	Dr. A. B. Patil	Engineering Mathematics	YouTube Channel	https://www.youtube.com/channel/UCzjDSJS5y1VTwhyqC31qTA
9	Prof. A. B. Thakare	FE Website, WhatsApp FE WEBSITE ; Google Quiz , MSTeams	Assignments, University Question Papers, MCQ's Notes-Presentation, Quiz; Assignments	https://sites.google.com/aissmscoe.com/maths2/home?authuser=0
10	Dr. S. A. Virkar	FE Website, WhatsApp	MCQ, PPT, Quiz	https://sites.google.com/aissmscoe.com/
11	Prof. Y.B. Karandikar	FE Website, WhatsApp	Assignments, University Question Papers, MCQ's	https://sites.google.com/aissmscoe.com/maths2/home?authuser=0
12	Prof. P.G. Kokare	FE Website, WhatsApp	MCQ, PPT, Quiz	https://sites.google.com/aissmscoe.com/
13	Prof. Y.R. Chandwade	website	SME Website	https://sites.google.com/aissmscoe.com/bme/home
14	Prof. S H Lavate	FE Website, WhatsApp Google Classroom	MCQ's Notes-Presentation, Quiz; Assignments You tube Videos	https://classroom.google.com/u/1/c/NjA0MzY1MjI1Mjk4 https://classroom.google.com/u/1/c/NjA0MzY0Mzg5MjYy
15	Prof. M. A. D'Cruz	Google Classrooms	AC-I Activities and Logos, EM Student Centric Activities Quiz	https://classroom.google.com/c/NDUwNTQyNTcyNDc5?cjc=g36cvtb https://classroom.google.com/c/NDUwNTMwNzM5Nzk0?cjc=yaajr76
16		Google Classroom	Lecture Recordings, Assignments, MCQs	https://classroom.google.com/c/NDUwNTQyNTcyNDQy?cjc=gy7ieru

17	Prof. S. B. Patil	Google Drive, Google Classroom, EM Website, You tube Videos	Google Drive, Google Classroom, EM Website, You tube Videos	https://sites.google.com/aissmscoe.com/em/home
18	Prof. A.M. Shete	Google Drive, Google Classroom, EM Website, You tube Videos	Google Drive, Google Classroom, EM Website, You tube Videos	https://sites.google.com/aissmscoe.com/em/home
19	Prof. Almas Ambreen	Google Drive, Google Classroom, BEE Website, You tube Videos	Google Drive, Google Classroom, BEE Website, You tube Videos	https://sites.google.com/aissmscoe.com/bee/home
20	Prof. B.S. Bobdey	Notes,PPT,Yutube videos	Prepared BEE e content for Unit I,II,III,IV	https://sites.google.com/aissmscoe.com/bee/home
21	Prof S. T. Gade	Notes,PPT,e-Videos,LabManual,MCQ,	Made SME subject e-content for Unit No.01/Google Site	https://sites.google.com/aissmscoe.com/sme/home
22	Prof. S. S. Patil	No Data	Quiz,Assignment,MCQs on google drive	https://drive.google.com/drive/u/2/folders/1GzdyTQppqIRU725bv0bQKwDmiGtO9ITG
23	Prof. S. S. Khasbage	FE Website-SME, PPTS, Whatsapp	MCQs, You tube videos	https://sites.google.com/aissmscoe.com/sme/home
24	Dr. V.S. Kalyani	Google Classroom, Youtube video, FE website	Google Drive, Google Classroom, Engg Chem Website, You tube Videos	https://sites.google.com/aissmscoe.com/chem/home
25	Prof. S T Surase	Google Classroom, Youtube video	Google Drive, Google Classroom, You tube Videos.	https://youtube.com/channel/UC7F4fmMsTxr0FsEHjSkxTcg
26	Prof.B.A.Patil	FE Website, Google drive	PPS Website, Google drive	https://sites.google.com/aissmscoe.com/pps https://youtu.be/bx_VFj_3G_M https://youtu.be/OnBHfoinciJY
27	Prof. K B Kshirsagar	Google Classroom	Google Drive, Google Classroom,	
28	Dr. P. D. Baviskar	Fuels Engineering Chemistry Question Bank University Question Papers SPPU	Lecture regarding Fuels and Types of fuels Descriptive Question Bank University Question Papers SPPU	https://www.youtube.com/watch?v=qGEml9m3S2Y&t=2437s https://drive.google.com/drive/folders/1T36nhD-le0TcgG8O1q150K1Hc5U42qfk?usp=sharing https://drive.google.com/drive/folders/1HdjevBEwWn0DVYk1F8

				ZpFtqBC3LyXWEa?usp=sharing
29	Prof. A A Gupta	FE Website, Google drive	PPS Website, Google drive, MCQs, Youtube Videos for PPS and other topics videos for students	https://sites.google.com/aiissmscoe.com/pps https://youtu.be/zh9N3pX9AxU https://youtu.be/0h-oY52rALg
30	Dr. A B Dhumure	Chemistry	FE Website, PPT, Videos	https://sites.google.com/aiissmscoe.com/chem/home
31	Prof. S. A Kothari	Google Classroom, FE Website	Google Classroom	https://classroom.google.com/c/NTE5ODE4MTcyOTUw
32	Prof. K G Choudhari	BEE	FE Website, PPT, Videos	https://sites.google.com/aiissmscoe.com/bee/home
33	Prof. R S Dudhmal	PPS	FE Website, PPT, Videos	https://sites.google.com/aiissmscoe.com/pps/home
34	Dr. M Gouratra	EM-II	FE Website, PPT, Videos	https://sites.google.com/aiissmscoe.com/em-ii/home
35	Prof. A V Wakchaure	EM	FE Website, PPT, Videos	https://sites.google.com/aiissmscoe.com/em/home

2.4 FDP/STTP ATTENDED BY THE DEPARTMENT FACULTY

TERM ONE				
S. No.	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	Prof. S. T. Gade	Recent trends in material, micro-manufacturing & characterization (RAMM C-23)"	D. Y. Patil Institute of technology, Pimpri, Pune	15 to 19/5/2023
2	Prof. S. S. Khasbage	Amazon Web Services	Brainovision and AISSMSCOE	22 to 27/08/2022
3	Prof. B. A. Patil	Educational Leadership	NPTEL AICTE	8 weeks (July-September 2022)
4	S T Surase	Matrix Algebra	NPTEL	8 weeks (July-Sept-2022)
5	S T Surase	Applications of Mathematical Modelling in Science & Engineering	K J College of Engineering & Management Research	26/09 to 30/09/2022

6	Dr. A B Patil	One-week ISTE approved online STTPon “Applications of Mathematical Modelling in Science	K J College of Engineering & Management Research, Pune	26/09 to 30/09/2022
7	Dr M K Nikam	One-week ISTE approved online STTPon “Applications of Mathematical Modelling in Science & Engineering”	K J College of Engineering & Management Research	26/09 to 30/09/2022
8	Dr M K Nikam	One week Faculty Development Programon “E-Content Development”	Teaching Learning Centre Ramanujan College, University of Delhi	20/08/2022 to 26/08/2022
9	Ankita Gupta	Machine Learning and Deep Learning using Python	MET Institute of Computer Science	02 to 06/08/2022
10	Ankita Gupta	Amazon Web Services	Brainovision and AISSMSCOE	22 to 27/08/2022
11	Ankita Gupta	Educational Leadership	NPTEL AICTE	8 weeks (July-September 2022)
12	M A D’Cruz	NITTT - Module 4 Instructional Planning and Delivery	AICTE NITTT-Bhopal	Sept-Oct 22

TERM TWO				
S. No.	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	Almas Ambreen	Recent Trend in Machine Learning	Department of E and Tc AISSMS COE Pune	13 to 17/03/2023
2	Almas Ambreen	Recent Trends in Advance in Electronics	Poornima institute of engineering and Technology Jaipur	10 to 14/04/2023
3	Dr. P. D. Baviskar	Amazon Web Services	Brainovision and AISSMSCOE	22 to 27/08/2022
4	Prof. S. S. Patil	Recent trends in Mechanical engineering	Fabtech technical campus, College of engineering & research, Sangola	08 to 16/08/2022
5	S A Kothari	Recent Trend in Machine Learning	Department of E and Tc AISSMS COE Pune	13 to 17/03/2023

6	Prof. S.P. Bhosale	Amazon Web Services	Brainovision and AISSMSCOE	22 to 27/08/2022
7	Prof. S. S. Bhuinyan	Advancement in Civil Engineering	Yashoda Shikshan Prasark Mandal's, Satata-415011, Maharashtra, India	23 to 27/08/2022
8	Prof. P. R. Satarkar	Amazon Web Services	AISSMS COE, Pune	22 to 27/08/2022
9	B S Bobdey	Recent Trend in Machine Learning	Department of E and Tc AISSMS COE Pune	13 to 17/03/2023
10	Bhakti Patil	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	12/3/2023
11	KG Choudhari	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	11/3/2023
12	KG Choudhari	Innovative teaching & learning pedagogy	Research & journal committee & IQAC, St. Paul Institute of professional studies, Indor	01 to 8/4/2023
13	S T Surase	Mathematics behind AI/ML	MIT Alandi	17 to 18/05/2023
14	Dr M K Nikam	ENERGY LITERACY TRAINING " 12 modules	Energy Swaraj Foundation	13/03/2023
15	Dr M K Nikam	TWO - WEEK REFRESHER COURSE IN "MATHEMATICS	Teaching Learning Centre Ramanujan College, University of Delhi	29 / 04/ 2023 to 13/05/2023
16	Dr M K Nikam	Two days' National Level FDP on "Mathematics Behind AI/ML"	School of Humanities and Engineering Sciences, MIT Academy of Engineering, Alandi, Pune	17 to 18/05/2023
17	Prof. Ritu Dudhmal	Recent Trends in Machine Learning	AISSMS COE, Pune	13 to 17/03/2023

18	Dr. A B Patil	Two days' National Level FDP on "Mathematics Behind AI/ML"	School of Humanities and Engineering Sciences, MIT Academy of Engineering, Alandi, Pune	17 to 18/05/2023
19	Prof. M. S. Nikam	Applications of Mathematical Modelling in Science & Engineering	KJ's Educational Institute	26 to 30/09/2022
20	V R Patil	Thermal Engineering -Basic	IIT Madras	Jan 23 to April 23
21	S H Lavate	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	25/04/2023
22	S H Lavate	Faculty Development Program on "Emerging Trends in 5G Technology-Enabled Education	Electronics and Telecommunication Department, Technically Co-Sponsored by Pune Management Association(PMA)	02/05/2023 to 04/05/2023
23	S B Patil	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	4/3/2023
24	A M Shete	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	4/3/2023
25	Prof. Y.B. Karandikar	Syllabus Implementation Workshop" on "Process Equipment Design	SPPU, Faculty of Science & Technology Board of Automobile & Mechanical Engineering	12 to 14/01/2023
26	V R Patil	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	4/3/2023
27	Prof. Yogesh Chandwade	"ENERGY LITERACY TRAINING " 12 modules.	Energy Swaraj Foundation	01/3/2023

28	S T Surase	ENERGY LITERACY TRAINING " 12 modules	Energy Swaraj Foundation	11/03/2023
29	Prof. K. B. Kshirsagar	FDP on AI and ML	School of Humanities and Engineering Sciences, MIT Academy of Engineering, Alandi, Pune	17 to 18/05/2023

**2.5 SEMINARS/ WORKSHOPS/ WEBINARS ATTENDED BY THE DEPARTMENT
FACULTY**

TERM TWO				
S. No.	Name of Faculty	Title of the Seminar/Webinar	Organized by	Duration/ Dates
1	Almas Ambreen	Implementation Of National Educational Policy	Department of Civil Engineering AISSMS COE Pune	23 to 24/02/2023
2	S B Patil	Health Monitoring of concrete structure	UltraTech Cement	22/04/2023
3	Dr. V.S.Kalyani	Research Conclave	Nirma University ,Ahmedabad, Gujarat, India	19 to 20/12/2022
4	S A Kothari	Building products for building solutions	UltraTech Cement	29/04/2023
5	S H Lavate	Webinar on 5G Course and establishment of use case Labs in Engineering Institutions	Skill Development Unit, Department of Telecommunication, New Delhi	19/04/2023
6	S B Patil	Implementation of National Educational Policy 2020:Alumni Connect	Department of Civil Engineering, AISSMS College Of Engineering, Pune	23 to 24/02/2023
7	S B Patil	Webinar on High-Performance concrete floor & suitable treatment for performance Enhancement	UltraTech Cement	11/03/2023
8	A M Shete	Implementation of National Educational policy 2020: Alumni Connect	Department of Civil Engineering, AISSMS COLLEGE OF ENGINEERING, PUNE	23 to 24/02/2023
9	Dr M K Nikam	Two days workshop on “Using MATLAB with Python”	MATLAB Expo 2023	10 to 11/05/2023

2.6 CONFERENCES/ SYMPOSIUMS ATTENDED BY THE DEPARTMENT FACULTY

TERM TWO				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	Bhakti Patil	International Conference on Green Energy 2023	AISSMSCOE	16/05/2023to 17/05/ 2023
2	Bhakti Patil	National Conference on Innovations in Engineering and Technology 2023	AISSMSCOE	31/05/2023
3	Ankita Gupta	International Conference on Green Energy 2023	AISSMSCOE	16/05/2023 to 17/05/ 2023
4	Dr. P D Baviskar	International Conference on Green Energy 2023	AISSMSCOE	16/05/2023 to 17/05/ 2023

2.7 ONLINE COURSES / CERTIFICATE COURSES COMPLETED BY DEPARTMENT FACULTY

TERM ONE				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	Almas Ambreen	Orientation towards technical education and curriculum aspects	NITTR	8 Weeks
2	B S Bobdey	NBA Accreditation and Teaching Learning in Engineering	NPTEL	12 Weeks
3	Bhakti Patil	Communication skills, modes and Knowledge dissemination	NITTR	8 Weeks
4	Ankita Gupta	Communication skills, modes and Knowledge dissemination	NITTR	8 Weeks
5	V R Patil	Thermal Engineering -Basic and Applied	NPTEL	12 Weeks
6	Dr. P. D. Baviskar	Basic Environmental Engineering and Pollution	NPTEL	12 Weeks

		Abatement		
7	Dr. P. D. Baviskar	Creating visual abstracts	Elsevier	
8	Dr. P. D. Baviskar	Introduction to the Certified Peer Reviewer Course	Elsevier	

2.8 EXTENSION LECTURES / WEBINARS (Lectures organized on other than technical topics))

TERM TWO					
S N	Name of faculty coordinator	Topic	Name and contact details of guest	Date	Number of beneficiaries
1	Mrs. Bhakti Patil and Mrs. Ankita Gupta	Guest Lecture for FE students on Project Based Learning	Mr.Akshay Ugale, Senior Machine Learning Consultant, StatusNeo Pvt.Ltd	12/04/2023	48
2		Expert Lecture on “Ethical Practices in Programming and Project Building” for FE students	Mrs.Jyoti Shinde. Director, Brilliance Infotech Pune	20/05/2023	93

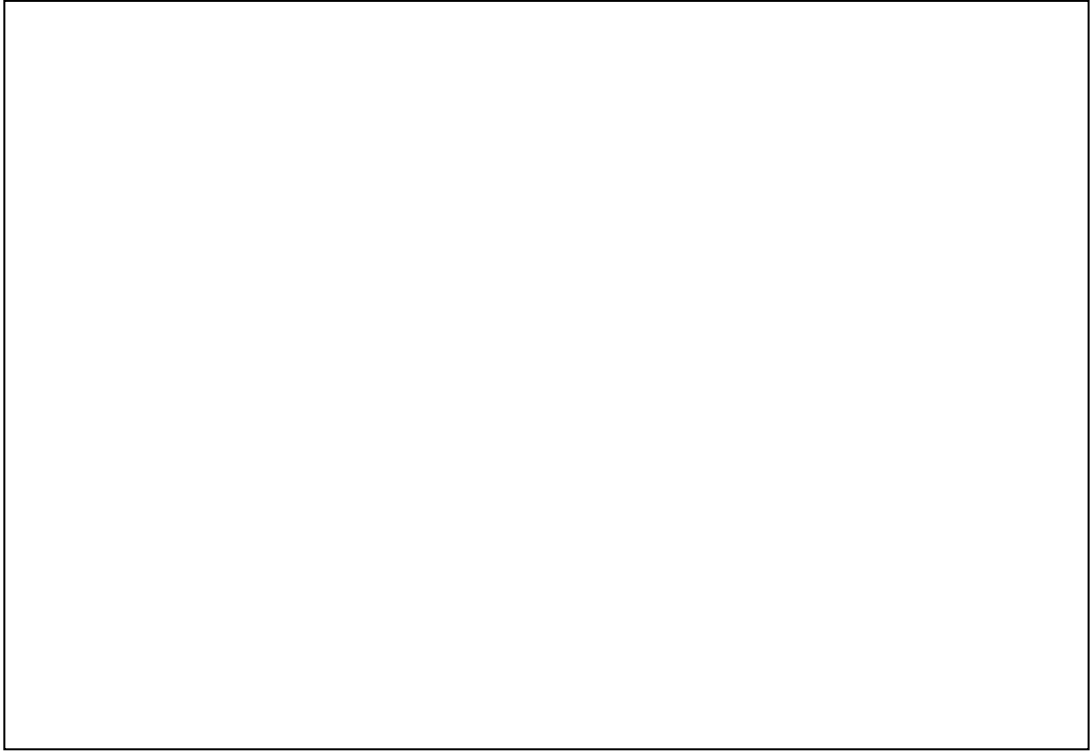
2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON

TERM ONE				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	Bhakti Patil	One week lecture series on Python Programming for TE Mechanical Engg	Mechanical Engg Department, AISSMSCOE	11/10/2022 to 17/10/2022
2	Bhakti Patil	Expert Lecture on Computer Competencies	AISSMSCOE	21/11/2022 to 24/11/2022
3	Ankita Gupta	Expert Lecture on Computer Competencies	AISSMSCOE	21/11/2022 to 24/11/2022

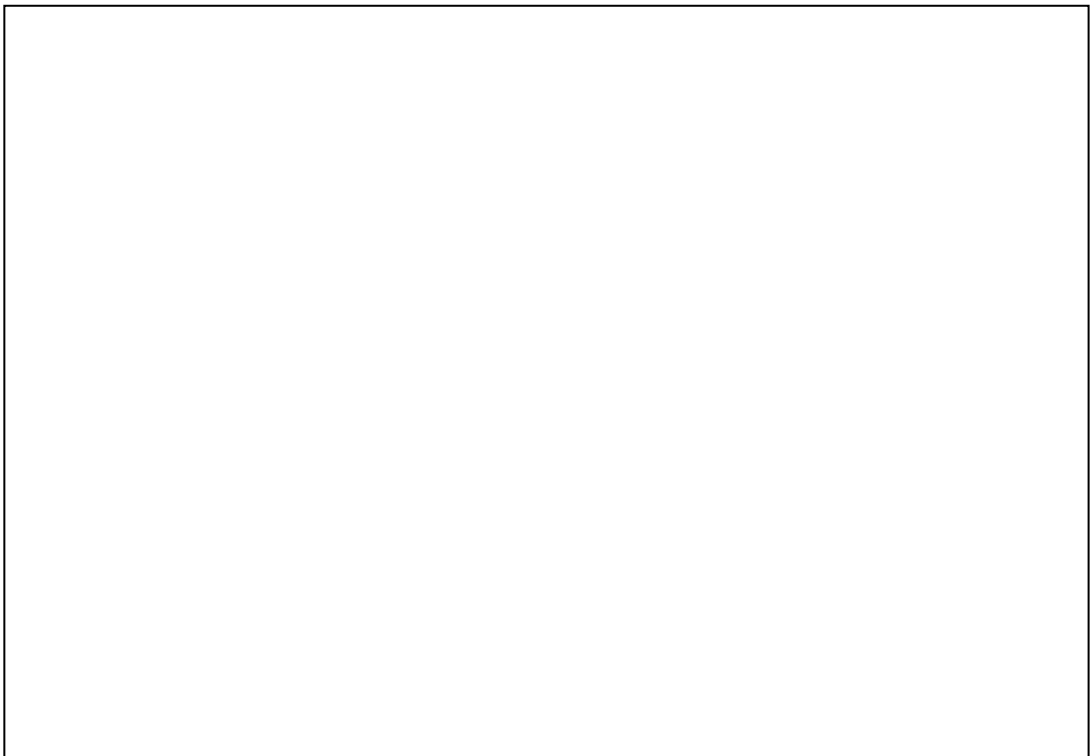
4	Ankita Gupta	Expert Sessions on Data Science and Applications in EDP Course	BARTY and AISSMSCOE	3/10/2022 to 8/12/2022
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TERM TWO				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	S H Lavate	AS A Judge for BE Project Competition	AISSMS IOIT Pune	28/04/2023

ACHIEVEMENTS OF THE FACULTY
<div style="border: 1px solid black; height: 300px; width: 100%;"></div>
Dr. A. B. Patil - Recognition as a Post Graduate Teacher & Ph.D. Research Guide



Ankita Gupta -NPTEL Elite+Gold



S T Surase -NPTEL Elite+Gold



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

BHAKTI AMIT PATIL

for successfully completing the course

Educational Leadership

with a consolidated score of **91 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jul-Sep 2022)

Roll No: NPTEL22HS109S23002931

Duration of NPTEL course : 8 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

B A Patil -NPTEL Elite+Gold

3. ACTIVITIES ORGANIZED

3.1 FDP/STTP ORGANIZED BY THE DEPARTMENT

TERM ONE					
S N	Name of Coordinator/s	Title of the FDP/STTP/WS/Seminar/ Symposium	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
NA					

3.2 SEMINARS/ WORKSHOPS/ WEBINARS ORGANIZED BY THE DEPARTMENT (For Faculty)

TERM TWO					
S N	Name of Coordinator/s	Title of the Seminar/Webinar	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
NA					

3.3 CONFERENCES/ SYMPOSIUM ORGANIZED BY THE DEPARTMENT

TERM TWO					
S N	Name of Coordinator/s	Title of the Conference/ Symposium	Duration / Dates	No. of Participa nts	Funding Agency (If any) and Amount (Rs.)
NA					

3.4 EXTENSION ACTIVITIES CONDUCTED BY THE DEPARTMENT (Social/ Quizzes at national/international level/any other activity)

TERM TWO				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiaries
1	Mr. S S Patil	PBL Exhibition	14/07/2023	600+ FE students

3.5 MOU SIGNED WITH ACADEMIC AND PROFESSIONAL ORGANISATIONS

TERM ONE				
S. No.	Faculty Coordinator	Name of Organization	Date of MoU Signed	Valid upto 00/00/0000
1	Dr. D V Nighot	Centre for Materials for Electronics Technology (C-MET)	07/11/2022	

TERM TWO				
S. No.	Faculty Coordinator	Name of Organization	Date of MoU Signed	Valid upto 00/00/0000
1	Dr. D V Nighot	Centre for Materials for Electronics Technology (C-MET)	07/11/2022	

3.7 SOCIAL ACTIVITIES ORGANISED (NSS, Women empowerment, Awareness Programms)

TERM ONE			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
NA			

3.8 PARENT MEETING

TERM TWO			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Mr. S S Patil	Parents' Meeting	14/07/2023	600+

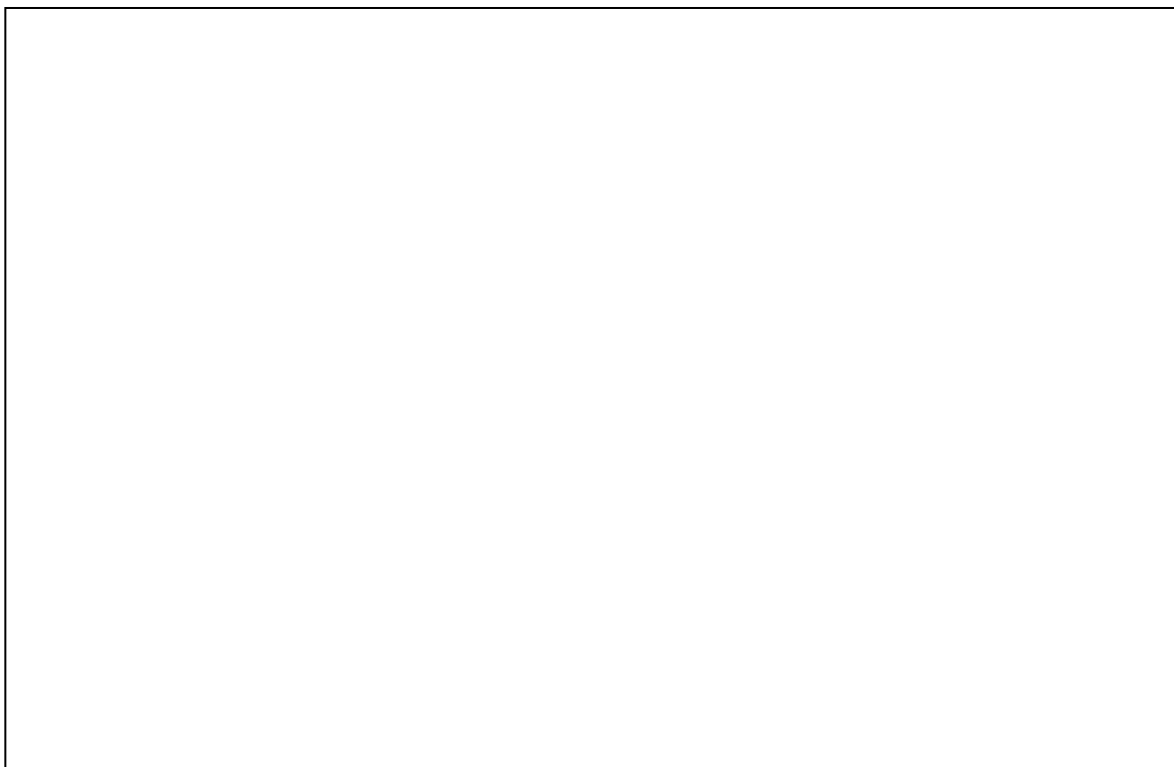
3.10 SUPPORT FROM ALUMNI

TERM TWO					
Sr No	Name of Alumni	Position and Organization	Batch (e.g., 2014 – 2018)	Details of Support	Date
1	Mr. Akshay Ugale	Senior ML Consultant Status Neo Pvt.Ltd.	2013-2017	Internship to TE computer students, Expert Lecture for FE students, Judge for competition	12/04/2023

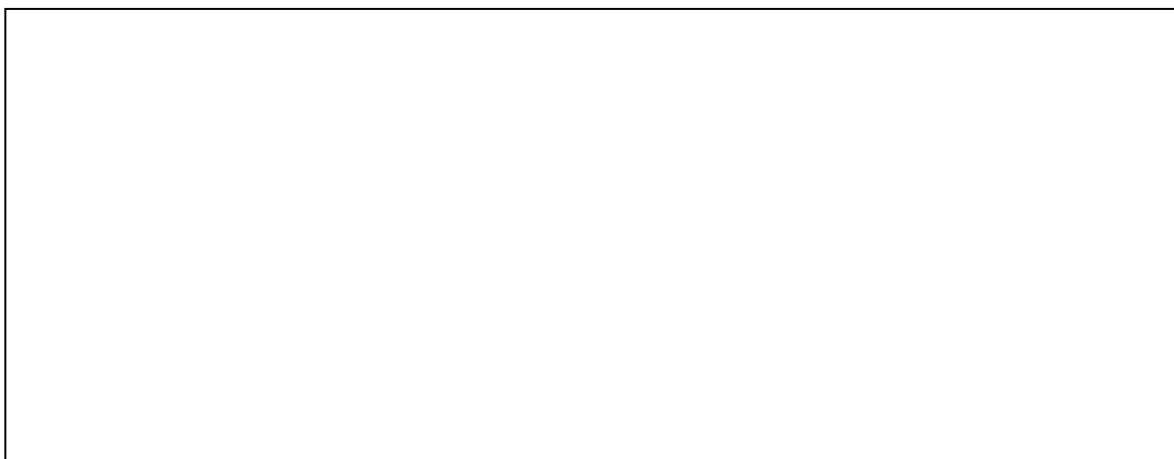
3.11 INTERACTION WITH ALUMNI

TERM TWO				
S N	Name of Alumni and Activity coordinator	Details of Activity conducted	Date and duration	Total Number of beneficiaries
1	Faculty: Mrs.Bhakti Patil Alumni: Mr.Akshay Ugale	Internship to TE computer students, Expert Lecture for FE students, Judge for competition	12/04/2023	1.Internship to 4 TE students 2.Judge for Internal Kavach Hackathon at AISSMSCOE 3.Expert Lecture for FE students (48 participants)

PBL Exhibition



PBL Exhibition Inauguration Ceremony



Parents during PBL Exhibition



PBL Exhibition Prize Distribution Ceremony

4.RESEARCH CONTRIBUTION

4.1 FUNDED RESEARCH PROJECTS

TERM ONE				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
NA				
TERM TWO				
S N	Principal Investigator	Title of the Project	Amount Received (Rs)	Funding Agency
NA				

PUBLICATIONS

4.3 Patents, copyright, trademark and other (IPR)

TERM ONE					
Sr No	Title	National / International	Date of Filing	Status: Published/ Granted as on date	Patent file No.
1	Title of PhD (M A D'Cruz)	National	26/08/22	Granted on 21.12.22	7944/2022-CO/L
2	Obtain Food Packing Films by using Zinc Oxide Nanoparticles	National	05/07/22	Granted on 22/07/22	202241038705
3	Zinc Comprising Nanoparticles and related Nanotechnology	National	09/07/22	Granted on 15/07/22	202241039514

PUBLICATIONS

4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES

TERM ONE						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized By
1	Santosh H Lavate Dr P. K. Srivastava	An Analytical Review on Classification of IoT Traffic and Channel Allocation Using Machine Learning Technique	2023	International Conference on Emerging Smart Computing and Informatics ESCI-2023	978-1-6654-7524-2/23/\$31.00 ©2023 IEEE DOI: 10.1109/ESCI56872.2023.10099636	IEEE Pune Section and AISSMS IOIT Pune

TERM TWO						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized By
1	Bhakti Patil	Sentiment Analysis of IMDB Movies Review	May 2023	ICOGE 2023		AISSMSCOE
2	Bhakti Patil	Creation of Geographic Information system using GPS Data	May 2023	NCIET 2023		AISSMSCOE
3	Ankita Gupta	Sentiment Analysis of IMDB Movies Review	May 2023	ICOGE 2023		AISSMSCOE
4	M A D'Cruz	Introducing the 6'R' Habit of Solid Waste Management and	May 2023	ICOGE 2023		AISSMSCOE

		unlocking the potential of the Educational Sector				
5	Dr. P. D. Baviskar	Curcumin-loaded phenethyl isothiocyanate nano-spheres: preparation, stability study, and its implication for cataract prevention				

4.5 PAPERS PUBLISHED IN JOURNALS

TERM ONE						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Dr. A. B. Patil	On sharp bounds of Fekete-Szegő functional for a certain bi-univalent function class associated with quasi-subordination	July 2022	Afrika Matematika (2022) 33:71 https://doi.org/10.1007/s13370-022-01007-7	Electronic ISSN 2190-7668 Print ISSN 1012-9405	Springer Nature
2	V R Patil	Investigation of eco-friendly operating conditions of Diesel engine using RUCO biodiesel blends with Additive	Dec 2022	<u>DOI: 10050086.2022.12.0 Journal of optoelectronics laser 8</u>	ISSN: 1005-0086	Journal of optoelectronics laser

TERM TWO						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Bhakti Patil	Secure Lock: Advanced Bank	June 2023	International	2349-5138	IJRAR

		Locker Security System with Face and Liveness Detection. pp 213-218		Journal of Research and Analytical Reviews IJRAR June 2023, Volume 10, Issue 2		
2	Dr. A. B. Patil	Sharp initial coefficient bounds and the Fekete-Szego problem for some certain subclasses of analytic and bi-univalent functions	April 2023	Ukrainian Mathematical Journal DOI: 10.37863/umzh.v75i2.6602	ISSN 1027-3190	Springer Nature
3	Ankita Gupta	Human Activity Tracking System Using Pose Estimation Technique	June 2023	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	ISSN: 2321-9653	(IJRASET)
4	Ankita Gupta	Suspicious Activity Detection and Alert System	May 2023	International Journal of Research and Analytical Reviews	ISSN:2348-1269	IJRAR
5	S H Lavate	HDFRMAH: design of a high-density feature representation model for multi domain analysis of human health issues	Feb-2023	Soft Computing https://doi.org/10.1007/s00500-023-08311-9	https://doi.org/10.1007/s00500-023-08311-9	Springer SCI
6	S H Lavate	Design of an efficient multimodal engine for pre-emption and post	April -23	Soft Computing https://doi.org/		Springer SCI

		<p>treatment</p> <p>recommendations for skin diseases via a deep learning based</p> <p>hybrid bio inspired process</p>		10.1007/s00500-023-08709-5		
7	S H Lavate	<p>MPCITL: design of an efficient multimodal engine for Pre-emptive</p> <p>identification of CKD via incremental transfer learning on clinical data</p> <p>samples</p>	May-23	Soft Computing https://doi.org/10.1007/s00500-023-08774-w		Springer SCI
8	S H Lavate	A Hybrid Feature Selection Approach based on Random Forest and Particle Swarm Optimization for IoT Network Traffic Analysis	July-23	Research Article Volume 11, Issue 2 Pages 568-574 e-ISSN: 2347-470X	e-ISSN: 2347-470X	IJEER Scopus
9	M A D'Cruz	<p>Automatic Irrigation Using Soil Moisture Sensor</p> <p>DOI:10.15680/IJRSET.2023.1205420</p>	May 2023	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	e-ISSN: 2319-8753	IJIR
10	S H Lavate	Assessment of Seismic Hazards in Underground Mine Operations using Machine Learning (Page:237-243)	Jan-2023	International Journal on Recent and Innovation Trends in Computing and Communication	ISSN:2321-8169 Volume: 11 Issue:2s	Scopus

4.6 BOOK/ ARTICLE PUBLICATIONS

TERM ONE				
Author	Title of the Book	Published by	ISBN	Year
Dr. A. B. Patil	Book Chapter entitled “Sharp coefficient bounds and solution of the Fekete-Szegő problem for a certain subclass of bi-univalent functions associated with the Chebyshev polynomials” in the book “Advances in Mathematical Analysis and its Applications”	CRC Press, Taylor and Fancis Group	ISBN: 978-1-032-35804-8 (hbk) ISBN: 978-1-032-36227-4 (pbk) ISBN: 978-1-003-33086-8 (ebk)	Dec 2022
Dr. D. V. Nighot	Inorganic Chemistry I (Editor for Four Credit Book)	YCMOU	978-93-95855-13-6	Oct 2022
Dr. P. D. Baviskar	Inorganic Chemistry I (Author Four Credit Book)	YCMOU	978-93-95855-13-6	Oct. 2022
Dr. P. D. Baviskar	Organic Chemistry I (Author Four Credit Book)	YCMOU	978-93-95855-08-2	Nov 2022
Dr. N N Shejwal	A Reference Book of Recent Trends in Science and Technology	Prarup Publications, Kolhapur, Maharashtra, India.	978-81-948061-9-6	2022
Dr. N N Shejwal	“Advances in Engineering Science and Technology Volume I	Bhoomi Publications Kolhapur	978-93-91768-89-8)	Nov 2022

TERM TWO				
Author	Title of the Book	Published by	ISBN	Year
Dr. P. D. Baviskar	Inorganic Chemistry II (Author Four Credit Book)	YCMOU	978-93-95855-72-3	Feb. 2023

4.7 RESEARCH CITATIONS (Source of Data: Google scholar) (As on 30th June)

Name of faculty	Citations	Name of faculty	Citations
Dr. A. B. Patil	89		
Ankita Gupta	67		
Bhakti Patil	40		

Total Citations of Department:**4.8 ME AWARDED**

TERM TWO			
Sr No	Name of Supervisor	Title of Thesis	Name of Candidate
NA			

PAPERS PUBLISHED IN CONFERENCE/JOURNALS

--

BOOKS PUBLISHED

CHE111 Inorganic Chemistry-I

Yashwantrao Chavan Maharashtra Open University

Vice-Chancellor: Prof. Dr. P. G. Patil

School of Architecture, Science and Technology

Director of the School: Dr. Sunanda More

Programme Advisory Committee

Dr Sunanda More Director, School of Architecture, Science & Technology, YCMOU, Nashik-422 222		Dr. Chetana Kamlaskar Associate Professor, School of Architecture, Science & Technology, YCMOU, Nashik-422 222	
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Dr. Tukaram. S. Thopate, Vice Principal and Head Deptt of Chemistry, New Arts, Commerce Science College, Parner, Taluka Parner, Dist: Ahmednagar-414 302	Prof. Shamrao Golekar Associate Professor and Head Deptt of Chemistry Jamkhed College Jamkhed, Dist: Ahmednagar-413 201	Dr. Borhade Ashok Vishram Associate Prof., Deptt of Chemistry, H.P.T. Arts & R.Y.K. Science College, Nashik-422 001	
Dr. Amol Kategaonkar Associate Prof. in Chemistry, KSKW College, Cidco, Nashik-422 008		Dr. Bharat More Academic Coordinator, School of Architecture, Science and Technology, YCMOU, Nashik-422 222	

Development Team

Instructional Technology Editor	Course Coordinators	Book Writer	Book Editor
Dr Sunanda More Director & Associate Professor, School of Architecture, Science & Technology, YCMOU,	1.Dr. Bharat More 2.Mr.Ghanshyam Patil Academic Coordinator, School of Architecture, Science & Technology, YCMOU,	Dr. Pankaj D. Baviskar, Assistant Professor, First Year Engineering Department, All India Shri Shivaji Memorial Society's	Dr. Deepak V. Nighot, Associate Professor & Head, First Year Engineering Department, All India Shri Shivaji Memorial Society's



EDITOR CERTIFICATE

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Dr. Nana N. Shejwal

Department of Physics,
AISSMS, College of Engineering,
Pune, Maharashtra

in recognition of special contribution as an 'Editor' for the book
entitled "Advances in Engineering Science and Technology
Volume I (ISBN: 978-93-91768-89-8)" published by our
publishing house in November, 2022.



Sagar K. Vignalakshar
DR. SAGAR K. VIGNALAKSHAR
Managing Editor
DHUNI PUBLISHING
Nigraha Khatola, Kolhapur,
M. S. INDIA 416 207.

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CH-02	Ecofriendly Eutectic Solvent Assisted One-Pot Three Component Synthesis of Functionalized Thiazolidinones	Dattatray B. Yedage, Dattatray V. Patil	22
CH-03	Green and Efficient Protocol for the Synthesis of 1,4 dihydropyridine derivatives using [TMPSA] [HSO ₄]	Raju P. Kagne, Subhash Wadkar, Mahesh Kukade, Sharad Dodamise, Umesh Pol	35
CH-04	Study of Use of Spent Wash to Improve the Soil Health in Village Wakaiwadi from Shiralatahasil, Dist-Sangli	A.B. Patil, A. D. Patil, S.M. Patil	44
CH-05	Synthesis And Analysis of Biofertilizer for Sustainable Development	Shivraj Taur, N. N. Shejwal	50

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5.INTERACTION WITH INDUSTRY

5.1 INDUSTRY VISITS ORGANISED

TERM ONE				
Sr. No.	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
NIL				
TERM TWO				
Date of visit	Faculty Coordinator	Class and Number of students attended	Industry Name and Address	Date of visit
1	FE Department	600+	PCMC Science Park	31/01/23 to 07/02/23

5.2 EXPERT LECTURES DELIVERED BY INDUSTRY EXPERTS

TERM ONE						
Sr. No.	Faculty Coordinator	Class (Number of students attended)	Name, designation and contact details of Expert	Industry, and contact	Topic	Date
NIL						

TERM TWO					
Sr. No.	Faculty Coordinator	Class (Number of students)	Name, Industry, designation and contact details of Expert	Topic	Date

		attended)			
1	Bhakti Patil and Ankita Gupta	FE Civil A and B	Mr. Akshay Ugale Senior ML Consultant, Status Neo Pvt. Ltd.	Expert Lecture on “Project Based Learning”	12/04/23
2	Bhakti Patil, Ankita Gupta and Ritu Dudhmal	FE Civil A, Civil B, E&TC, Electrical and Chemical	Mrs. Jyoti Shinde. Director, Brilliance Infotech Pune	Expert Lecture on “Ethical Practices in Programming and Project Building”	20/05/23

5.3 INDUSTRY – SPONSORED PROJECTS (UG/PG) ((Excluding Sandwich Projects)

Sr. No.	Name of Project guide	Title of Industry Sponsored Project	Name of Sponsoring Industry
TERM ONE			
1	Mrs. M. A. D’Cruz	Analysis of a 20 storeyed RCC twisted building using ETABS	Samrat Buildcon, Pune

5.4 MOU SIGNED WITH INDUSTRY

TERM ONE				
Sr. No.	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
1	Bhakti Patil	Tech Amplifiers Pvt. Ltd	12/10/2022	12/10/2027
2	Bhakti Patil	NASSCOM	01/04/2022	31/03/2023

3	Ankita Gupta	Consulo Educare Pvt. Ltd	15/09/2022	15/09/2023
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TERM TWO				
Sr. No.	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
1	Bhakti Patil	Tech Amplifiers Pvt. Ltd	12/10/2022	12/10/2027
2	Bhakti Patil	NASSCOM	01/04/2022	31/03/2023
3	Ankita Gupta	Consulo Educare Pvt. Ltd	15/09/2022	15/09/2023

5.7 LIST OF INDUSTRIES SUPPORTED IN THE ORGANIZATION OF WORKSHOPS/SEMINARS/WEBINARS/CONFERENCES/COURSES AND ANY OTHER CONTRIBUTION OF INDUSTRY

TERM TWO			
Sr. No.	Faculty Coordinators	Industry Representative and Name of Industry	Nature of Contribution
1	Bhakti Patil	Akshay Ugale Senior ML Consultant, Status Neo and Co-Founder,ScriptEdge.	Expert Lecture

6. STUDENTS ACHIEVEMENTS

6.1 ACHIEVEMENTS OF STUDENTS (Individual Level)

TERM ONE		
Name of Student	Details of Achievement (State/University/ National/International Level)	Remark (Domain)
Siddhi Darwatkar	Second Prize in PBL Exhibition	Co-curricular
Supriya Chavan	Third Prize in Marathi Kathakathan Spardha	Extra-Curricular

7. SUMMARY AND SWOC ANALYSIS

7.1 ANY OTHER NOTEWORTHY ACHIEVEMENT OF THE DEPARTMENT

Sr. No.	Details
1	The Department of First Year Engineering has created a consolidated website containing information (PPTs, Notes, Question Bank, Videos etc) of all subjects https://sites.google.com/aissmscoe.com/aissms/home?authuser=0

7.4 TWO BEST PRACTICES FOLLOWED IN THE DEPARTMENT

1. PBL Exhibition& Competition and cash prizes to motivate students

2.Focusing on improving the performance of weaker students
Extra efforts by faculties for difficult subjects.

7.6 SWOC ANALYSIS

Detail five major strengths, weaknesses, opportunities, and challenges (SWOC) of the department and future plans of the Departments

Strengths	1	Experienced and Qualified Faculties
	2	Well-equipped Laboratories
	3	Well Organized academic monitoring system
	4	Effective Mentoring and Counseling system

Weaknesses	1	No hostel facility in campus
	2	Stringent Academic schedule
	3	Sparse Industry Institute Interaction

Opportunities	1	Scope for Up-gradation in Qualification of Faculties
	2	Scope to fetch more funds for R&D projects

	3	To develop e-classrooms
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Challenges	1	Attracting Better Quality Students at entry level
	2	Late joining of some students due to delay in Centralized Admission Process (CAP)
	3	Promoting all students to higher class
	4	Sustaining the expectations of the stakeholders
	5	Short attention span of students

7.7 FUTURE PLANS OF THE DEPARTMENT (For Next Academic Year)

1	Conduction of Parents Teacher Meeting to get factual feedback for strengthening quality of Teaching Learning Process
2	On re-issuing basis, text books, local publication books etc to be circulated among students who cannot afford purchasing it
3	Proposing circulation of old Journals and Magazines of previous years extracted from the library and to be kept in the respective Laboratories for enlightenment and ready use of students and faculty members
4	Model Based and Design Thinking Hands on Experience for the students to be able to put theory into practice

7.8 INITIATIVES TAKEN BY THE DEPARTMENT AT DEPARTMENT AND INSTITUTE LEVEL TO IMPROVE AND ASSURE QUALITY IN THE FOLLOWING AREAS

Area	Initiatives
Academics and overall profile of Department	Department Faculty have conducted lectures, practicals, tests, assignments, orals (TE/BE Students) and Final Exams for the students
Organization of different activities	Department Faculty organize various activities for the students including Seminars, Site Visits etc
Research and Innovation	Faculty members have published various research papers and have encouraged their project students with various research projects
Industry institute Interaction	Seminars, Site Visits have been conducted during the year for the development of the students
Students' Achievements	Arranging Expert lectures to motivate students for participation in various competitions

SUMMARY SHEET (Annual)

Sr No	Activity/ Item	Numbers
PROFILE OF DEPARTMENT		
01	Students in the department	639
FACULTY CONTRIBUTION		
02	e content developed by faculty and available online	32
03	Number of FDP/STTP attended by the department faculty	12 + 29
04	Number of Seminars/ workshops/ webinars attended by the department faculty	0 + 9
05	Number of Conferences/ symposiums attended by the department faculty	0 + 4
06	Number of Online courses / certificate courses completed by department faculty	8 + 0
07	Number of extension lectures / webinars (Lectures delivered on other than technical topics))	0 + 2
08	Number of Faculty served as resource person, expert, chairperson	4 + 1
ACTIVITIES ORGANISED		
09	Number of FDP/STTP organized by the department	0 + 0
10	Number of Seminars/ workshops/ webinars organized by the department (for faculty)	0 + 0
11	Number of Conferences/ symposiums organized by the department (for faculty)	0 + 0

12	Number of Extension activities conducted by the department (Social/ Quizzes at national/international level/any other activity)	0 + 1
13	MOU signed with academic and professional organizations	1 + 1
14	Number of Students' chapters /clubs	0 + 0
15	Number of Social activities organized	0 + 0
16	Number of Parent meeting	0 + 1
17	Number of Alumni meet	0 + 0
18	Number of student counseling and career guidance at the department level	---
	RESEARCH CONTRIBUTION	
19	Number of Funded research project	0 + 0
20	Number of Testing and consultancy	0 + 0
21	Number of Patents, copyright, trademark and other (IPR)	3 + 0
22	Number of Papers published/ presented in proceedings of conferences	1 + 5
23	Number of Papers published in journals	2 + 10
24	Number of Book/ article publications	6 + 1
25	Total Research citations	
26	Number of ME awarded	----
27	Number of PhD AWARDED	----
	INTERACTION WITH INDUSTRY	

28	Number of Industrial visits organized	0 + 1
29	Number of Expert lectures delivered by industry experts	0 + 2
30	Number of Industry –sponsored projects (UG/PG)	1 + 0
31	Number of MOU signed with industry	3 + 3
32	Number of Faculty members undergone industrial training	0 + 1
33	Number of Students undergone in-plant training and (or) internship programme	---
34	Number of students placed	---
35	Number of students qualified in the examinations	---

Declaration by the Head of the Department

I am aware that the above information provided by the Department will be validated by the AAA committee during the visit.



Dr. D V Nighot
Head of Department