



Internal Quality Assurance Cell

DEPARTMENT OF FIRST YEAR ENGINEERING ANNUAL REPORT

(15 JUNE 2023 to 14 June 2024)

TERM ONE: 15 June 2023 to 30 November 2023

TERM TWO: 01 December 2023 to 14 June 2024

Academic Year 2023 – 24

Guidelines:

*Fill up this sheet for all the contributions /activities conducted at **the Department level only.***

- ❖ *In case data does not exist please mention it as 'No Data'.*
- ❖ *Please add rows to the table below to suit your requirements*
- ❖ *Ensure that data does not differ from other official records and all the supporting documents are available.*
- ❖ *Use: Font Type: Times New Roman, Font Size: 12, Sentence case, Spacing: 1.15*
- ❖ *Use separate row for every details.*
- ❖ *For any queries, you may contact: Dr C S Choudhari, Coordinator, IQAC*
- ❖ *email: iqac@aiissmscoe.com*

CONTENTS

Sr No	Activity/ Item	Page No
1. PROFILE OF DEPARTMENT		
1.1	Introduction	7
1.2	Laboratories in the Department	7
1.3	Software Available in the Department	7
1.4	Faculty in the Department	7-8
1.5	Details of Supporting Staff	8
1.6	Students' Enrollment	8
1.7	Students–Faculty Feedback Details	9-11
1.8	Result Analysis	11-14
1.9	Class Result Analysis	14-16
2. FACULTY CONTRIBUTION		
2.1	Achievements of Faculty	20
2.2	Contribution of Faculty (Interaction With Outside World)	20
2.3	e content developed by faculty and available online	20-22
2.4	FDP/STTP attended by the department faculty	23-31
2.5	Seminars/ workshops/ webinars attended by the department faculty	31-32
2.6	Conferences/ symposiums attended by the department faculty	32-33
2.7	Online courses / certificate courses completed by department faculty	33-35
2.8	Extension lectures / webinars organized	35
2.9	Faculty served as resource person, expert, chairperson	36
3. ACTIVITIES ORGANISED		
3.1	FDP/STTP organized by the department	-
3.2	Seminars/ workshops/ webinars organized by the department (for faculty)	39
3.3	Conferences/ symposiums organized by the department	-

3.4	Extension activities conducted by the department	39
3.5	MOU signed with academic and professional organizations	-
3.6	Students' chapters /clubs	-
3.7	Social activities organized	39-40
3.8	Parent meeting	40
3.9	Alumni meet	-
3.10	Support from Alumni	-
3.11	Interaction with Alumni	-
3.12	Student counseling and career guidance at the department level	40
4. RESEARCH CONTRIBUTION		
4.1	Funded research project	44
4.2	Testing and consultancy	-
4.3	Patents, copyright, trademark and other (IPR)	44-45
4.4	Papers published/ presented in proceedings of conferences	45-49
4.5	Papers published in journals	49-54
4.6	Book/ article publications	54
4.7	Total Research citations	54
4.8	ME awarded	-
4.9	PhD guide details	55
4.10	PhD awarded	-
5. INTERACTION WITH INDUSTRY		
5.1	Industrial visits organized	57
5.2	Expert lectures delivered by industry experts	57
5.3	Industry –sponsored projects (UG/PG)	57
5.4	MOU signed with industry	58
5.5	Faculty members undergone industrial training	58

5.6	Students undergone in-plant training and (or) internship programme	NA
5.7	Support from Industry	NA
5.8	Training to Industry personnel/ Activity Supporting industry	NA
5.9	Any other activities to Promote Interaction With Industry	NA
5.10	Students Undergone Sandwich Training	NA
6. STUDENTS' ACHIEVMENT		
6.1	Students' Achievement (Professional) (Individual Level)	-
6.2	Students' Achievement (Other than Professional) (Individual Level)	-
6.3	Certificate / Online Courses Completed by Students	-
6.4	Number of Students Placed	-
6.5	Number of Students qualified in the competitive examinations	-
6.6	Sports / Cultural Achievements of Students (Individual Level)	-
6.7	Students' Achievements (Team Level)	60-61
7. SUMMARY AND SWOC ANALYSIS		
7.1	Any other noteworthy achievement of the department	63
7.2	Miscellaneous (Syllabus Implementation, Major Addition In Infrastructure And Facility, Innovations Introduced, etc.)	-
7.3	Feedback from Stakeholders	-
7.4	Two Best Practices Followed in the Department	63
7.5	Major Grievances of Students (If Any) Redressed	63
7.6	SWOC Analysis	63-64
7.8	Future Plans of the Department	64-65
7.9	Initiatives Taken By The Department At Department And Institute Level To Improve And Assure Quality	-
7.10	Summary Sheet (Annual)	66-68

1. PROFILE OF DEPARTMENT

VISION OF DEPARTMENT

Impart students with pre-requisites of technical know how's to expedite as emerging engineers

MISSION STATEMENTS OF DEPARTMENT

1. Embed crucial thinking and analytical reasoning ability required by respective disciplines
2. Cultivate students to deal with stress and anxiety imposed by academics and social milieu
3. Nurture students to emulate and inculcate the judicious nature demanded by the multifaceted world

1.1 INTRODUCTION

Year of Establishment	1992
UG Programmes	NA
PG Programmes	NA
Number of Teaching Staff	37
Number of Non-Teaching Staff	06

1.2 LABORATORIES IN THE DEPARTMENT

Name of Laboratory	
1. Physics Laboratory	2. Chemistry Laboratory

1.3 SOFTWARES AVAILABLE IN THE DEPARTMENT

Software Available
NA

1.4 FACULTY IN THE DEPARTMENT

Name of faculty	Designation
1. Dr. D V Nighot	Associate Professor
2. Dr. M K Nikam	Associate Professor
3. Dr. S K Upasani	Associate Professor
4. Dr. N N Shejwal	Associate Professor
5. Prof. V Y Sonawane	Assistant Professor
6. Prof. A Y Kazi	Assistant Professor
7. Prof. S P Bhosale	Assistant Professor
8. Dr. A B Patil	Assistant Professor
9. Prof. M S Swami	Assistant Professor
10. Prof. S H Lavate	Assistant Professor
11. Prof. A B Thakare	Assistant Professor
12. Dr. S A Virkar	Assistant Professor
13. Prof. Y B Karandikar	Assistant Professor
14. Prof. P G Kokare	Assistant Professor
15. Prof. M A D'Cruz	Assistant Professor
16. Prof. S B Patil	Assistant Professor
17. Prof. A M Shete	Assistant Professor
18. Prof. Almas Ambreen	Assistant Professor
19. Prof. S T Gade	Assistant Professor
20. Prof. S S Patil	Assistant Professor
21. Prof. S S Khasbage	Assistant Professor
22. Prof. S T Surase	Assistant Professor
23. Prof. B A Patil	Assistant Professor

24. Prof. K B Kshirsagar	Assistant Professor
25. Dr. P D Baviskar	Assistant Professor
26. Prof. A A Gupta	Assistant Professor
27. Prof. B S Suryavanshi	Assistant Professor
28. Prof. S A Kothari	Assistant Professor
29. Prof. K G Choudhari	Assistant Professor
30. Dr. M Gauratra	Assistant Professor
31. Prof. A V Wakchaure	Assistant Professor
32. Prof. S G Wani	Assistant Professor
33. Dr. S S Modhave	Assistant Professor
34. Prof. M G Ghodekar	Assistant Professor
35. Dr. V S Kalyani	Assistant Professor
36. Prof. R M Deshmukh	Assistant Professor
37. Prof. P S Gore	Assistant Professor

1.5 DETAILS OF SUPPORTING STAFF

Name of non-teaching staff	Designation
1. Mr. J R Patil	Senior Lab Assistant
2. Mr. R D Rode	Lab Assistant
3. Mr. R H Balkawade	Lab Assistant
4. Mr. S S Mate	Lab Attendant
5. Mr. K A Alhat	Lab Attendant
6. Mr. S N Mane	Attendant

1.6 STUDENTS' ENROLLMENT

Program	GEN		SC		ST		OBC		PWD		Others		Total		Program Total
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Computer	34	24	7	3	3	1	23	11	0	0	24	7	91	46	137
Chemical	14	7	5	2	0	0	5	7	0	0	11	4	35	20	55
Civil	32	3	10	3	1	0	20	8	0	0	23	6	86	20	106
Electrical	10	5	3	3	0	0	12	2	0	0	9	5	34	15	49
E & TC	13	18	6	2	1	0	12	4	0	0	11	3	43	27	70
Mechanical	35	3	10	4	0	0	24	10	0	0	20	2	89	19	108
Mech SW	18	4	7	2	0	0	17	0	0	0	6	1	48	7	55
R & A	12	7	1	3	1	0	2	2	0	0	4	3	20	15	35
Electronics (VLSI Design & Tech)	14	3	3	4	1	0	13	4	0	0	8	4	39	15	54
Grand Total															669

1.7 STUDENTS–FACULTY FEEDBACK DETAILS

Sr. No.	Term One				
	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1.	Dr. A. B. Patil	DIV I: EM-1	87	90	89
		DIV X: EM-1	80	84	82
2.	Prof. Almas Ambreen	DIV I: BEE	87	90	89
3.	Dr. N.N.Shejwal	DIV I: EP	75	79	77
		DIV III:EP	66	74	70
4.	Prof. S. S. Khasbage	DIV I:SME	78	83	81
		DIV X:SME	81	84	83
5.	Prof. Ankita Gupta	DIV I:PPS	93	92	93
6.	Prof. A. B. Thakare	DIV II: EM-1	81	90	86
		DIV V: EM-1	79	88	84
		DIV VI: EM-1	77	86	82
7.	Prof. B S Suryavanshi	DIV II:BEE	81	86	84
		DIV III:BEE	76	79	78
8.	Dr. S.K.Upasni	DIV II:EP	70	82	76
9.	Prof. S. T. Gade	DIV II:SME	78	89	84
10.	Prof KG Choudhari	DIV IV:BEE	76	81	79
		DIV V:BEE	88	87	88
11.	Prof. B. A. Patil	DIV II:PPS	91	94	93
		DIV III:PPS	91	93	92
12.	Dr.M.K.Nikam	DIV III:EM-1	70	74	72
		DIV IV:EM-1	84	86	85
		DIV VII:EM-1	81	88	85
13.	Mr.S S Patil	Div-IV SME	80	83	81.5
		DIV-IX SME	78	90	84
14.	Prof.P. G. Kokare	DIV III:SME	81	85	83
15.	Dr.S.A.Virkar	DIV IV:EP	75	80	78
		DIV V:EP	79	84	82
16.	Prof.M. G. Ghodekar	DIV IV:PPS	81	84	83
		DIV V:PPS	69	78	74
17.	Prof. V. Y. Sonawane	DIV V:SME	81	80	81
18.	Prof. A. Y. Kazi	DIV VI:BXE	74	78	76
		DIV VII:BXE	75	88	82
19.	Prof. S. G. Wani	DIV VI:EC	63	81	72
		DIV VII:EC	78	89	84
20.	Prof. M.S. Swami	DIV VI:SME	78	80	79
21.	Prof.S. A. Kothari	DIV VI:EM	86	87	87

22.	Prof. Y. B. Karandikar	DIV VII:SME	91	94	93
23.	Prof. A.V. Wakchaure	DIV VII:EM	80	85	83
24.	Prof. S. T. Surase	DIV VIII:EM-1	79	87	83
		DIV IX:EM-1	86	91	89
25.	Prof. S.P.Bhosale	DIV VIII:BXE	54	73	64
26.	Prof. M.A.D'cruz	VIII:EM	93	93	93
27.	Dr. S.S.Modhave	DIV VIII:EC	64	85	75
		DIV IX:EC	77	89	83
28.	Prof. S. H. Lavate	DIV IX:BXE	89	91	90
		DIV X:BXE	85	87	86
29.	Prof. S.B.Patil	DIV IX:EM	94	95	95
30.	Dr. D. V. Nighot	DIV X:EC	80	83	82
31.	Prof. A.M.Shete	DIV X:EM	83	83	83

Term Two					
Sr. No.	Name of faculty	Class and Subject taught	Feedback (I) (%)	Feedback (II) (%)	Average Feedback (%)
1.	Dr. A. B. Patil	DIV I:EM-2	94	92	93
		DIV X:EM-2	91	93	92
2.	Prof. A. Y. Kazi	DIV I:BXE	70	74	72
		DIV II:BXE	74	72	73
3.	Dr. V. S. Kalyani	DIV I:EC	82	83	83
4.	Prof. M. S. Swami	DIV I:EG	74	82	78
		DIV IX:EG	87	87	87
5.	Prof. S. A. Kothari	DIV I:EM	89	92	91
6.	Prof.A. B. Thakare	DIV II:EM-2	92	90	91
		DIV VI:EM-2	93	91	92
7.	Dr. S. S. Modhave	DIV II:EC	85	84	85
		DIV III:EC	66	69	68
8.	Prof.S. T. Gade	DIV II:EG	92	89	91
9.	Prof. A. V. Wakchaure	DIV II:EM	76	70	73
10.	Dr.M. K. Nikam	DIV III:EM-2	89	82	86
		DIV VII:EM-2	88	87	88
11.	Prof. S. P. Bhosale	DIV III:BXE	63	66	65
		DIV IV:BXE	69	70	70
12.	Prof.P. G. Kokare	DIV III:EG	87	87	87
13.	Prof. M. A. D'cruz	DIV III:EM	92	89	91
14.	Prof. S. T. Surase	DIV IV:EM-2	88	86	87
		DIV VIII:EM-2	93	94	94
15.	Prof. S. G. Wani	DIV IV:EC	76	77	77
16.	Prof.S. S. Patil	DIV IV:EG	88	87	88

17.	Prof. S. B. Patil	DIV IV:EM	88	90	89
18.	Prof. P. S. Gore	DIV V:EM-2	78	74	76
		DIV IX:EM-2	81	77	79
19.	Prof. S. H. Lavate	DIV V:BXE	93	90	92
20.	Dr. D. V. Nighot	DIV V:EC	80	75	78
21.	Prof. V. Y. Sonawane	DIV V:EG	60	60	60
22.	Prof. A. M. Shete	DIV V:EM	77	76	77
23.	Prof. Almaas Ambreen	DIV VI:BEE	91	88	90
		DIV VIII:BEE	89	95	92
24.	Dr. S. K. Upasani	DIV VI:EP	73	78	76
		DIV VIII:EP	75	80	78
25.	Prof. Y. B. Karandikar	DIV VI:EG	89	90	90
		DIV VIII:EG	84	89	87
26.	Prof. Ankita Gupta	DIV VI:PPS	93	93	93
		DIV VIII:PPS	95	96	96
27.	Prof. B S Suryavanshi	DIV VII:BEE	87	84	86
28.	Prof. R. M. Deshmukh	DIV VII:EP	87	87	87
29.	Prof. V. Y. Sonawane	DIV VII:EG	84	84	84
30.	Prof. B. A. Patil	DIV VII:PPS	89	93	91
31.	Prof. K. G. Choudhari	DIV IX:BEE	91	96	94
		DIV X:BEE	89	91	90
32.	Dr. S. A. Virkar	DIV IX:EP	87	86	87
33.	Prof. M. G. Ghodekar	DIV IX:PPS	92	95	94
		DIV X:PPS	85	90	88
34.	Dr. N. N. Shejwal	DIV X:EP	84	92	88
35.	Prof. S. S. Khasbage	DIV X:EG	91	92	92

1.8 RESULT ANALYSIS

Term One					
Name of faculty	Class and Subject Taught	% passing	Name of faculty	Class and Subject Taught	% passing
A M Shete	Chemical & Civil-B(EM)	26.56	Ghodekar M G	VLSI & RA(PPS)	77.61
A V Wakchaure	Mech-B & Mech S/W(EM)	33.33	K G Chaudhari	RA & Elect(BE E)	59.42

A Y Kazi	Mech-A(BXE)	69.84	K G Chaudhari	VLSI & RA(BEE)	59.7
A Y Kazi	Mech-B & Mech S/W(BXE)	60.94	M A D'Cruz	Mech S/W & Civil-A(EM)	34.38
A. B. Thakare	Comp-B(EM-I)	89.86	M K NIKAM	Mech-B & Mech S/W(EM-I)	53.13
A. B. Thakare	RA & Elect(EM-I)	58.82	M K NIKAM	E&TC(EM-I)	87.14
A. B. Thakare	Mech-A(EM-I)	51.56	P G Kokare	E&TC(SME)	88.57
Almas Ambreen	Comp-A(BEE)	77.94	S B Patil	Civil-B(BXE)	64.52
Ankita Gupta	Comp-A(PPS)	82.35	S B Patil	Civil-B(EM)	27.42
B A Patil	Comp-B(PPS)	95.65	S G Wani	Mech-A(CHEM)	51.56
B A Patil	E&TC(PPS)	82.86	S G Wani	Mech-B & Mech S/W(CHEM)	46.88
B S Bobdey	Comp-B(BEE)	82.61	S H Lavate	Chemical & Civil-B(BXE)	64.06
B S Bobdey	E&TC(BEE)	78.57	S S Patil	Civil-B(SME)	75.81

Dr D V Nighot	Chemical & Civil-B(CHEM)	45.31	S S Patil	VLSI & RA(SME)	86.57
Dr. N N Shejwal	Comp-A(PHY)	88.24	S T Surase	Mech S/W & Civil-A(EM-I)	36.92
Dr. N N Shejwal	E&TC(PHY)	85.71	S T Surase	Civil-B(EM-I)	58.06
Dr. S A Virkar	RA & Elect(PHY)	64.18	S T Surase	VLSI & RA(EM-I)	74.63
Dr. S A Virkar	VLSI & RA(PHY)	73.13	S. P. Bhosale	Mech S/W & Civil-A(BXE)	57.81
Dr. S K Upasani	Comp-B(PHY)	89.86	S. S. Khasbage	Comp-A(SME)	86.76
Dr. S S Modhave	Mech S/W & Civil-A(CHEM)	39.06	S. S. Khasbage	Chemical & Civil-B(SME)	75
Dr. S S Modhave	Civil-B(CHEM)	46.77	S.T.GADE	Comp-B(SME)	92.75
Dr. A.B.Patil	Comp-A(EM-I)	86.76	S.T.Gade	Mech S/W & Civil-A(SME)	71.88
Dr.A. B. Patil	Chemical & Civil-B(EM-I)	43.75	Sonal Kothari	Mech-A(EM)	43.75

Ghodekar M G	RA & Elect(PPS)	63.77	Sonawane V Y	RA & Elect(SME)	72.46
Y B Karandikar	Mech-B & Mech S/W(SME)	74.19	Swami M S	Mech-A(SME)	85.94
S.T.Surase	VLSI-EM-I	73.13	S.T.Surase	Mech(SW)-EM-I	37.5
S.T.Surase	CIVIL-B-EM-I	58.06			

1.9 CLASS RESULT ANALYSIS (All Classes FE to BE)

Term One												
Sr.No.	Class	Number of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 – 9)	Very Good (A)	Good (B+) (6.1 – 7)	Above Average (B)	Average / pass class (4 – 5)	Fail (F) 0 – 3.99	All Clear	With ATKT
1	Comp-A	68	50	28	7	10	4	1	0	6	73.53	91.18
2	Comp-B	69	55	26	10	12	6	1	0	2	79.71	97.1
3	E&TC	70	48	14	9	15	6	3	1	5	68.57	92.86
4	VLSI & RA	69	33	6	6	11	5	5	0	11	47.83	82.61
5	Elect & RA	70	33	2	6	10	11	4	0	23	47.14	67.14

6	Mech-A	65	22	1	3	6	11	1	0	20	33.85	69.23
7	Mech-B & Mech SW	64	17	4	1	5	6	1	0	21	26.56	67.19
8	Mech sw & Civil-A	65	12	3	1	3	4	1	0	26	18.46	60
9	Civil-B	64	15	2	0	5	7	1	0	20	23.44	68.75
10	Civil-B & Chem	64	16	1	2	6	5	2	0	22	25	65.63
	Total	668	301	87	45	83	65	20	1	156	44.41	76.17

Term Two												
SN	Class	Number of Students									Percentage of Passing	
		Appeared	Clear Passed	Outstanding (O) (9.1 -10)	Excellent (A+) (8.1 – 9)	Very Good (A)	Good (B+) (6.1 – 7)	Above Average (B) (5.1 – 6)	Average / pass class (4 – 5)	Fail (F)	All Clear	With ATKT
1	Comp-A	67	48	21	12	10	4	1	0	6	71.64	91.04
2	Comp-B	69	54	22	12	15	6	0	0	1	78.26	98.55

3	E&TC	70	42	8	12	14	8	0	0	7	60	90
4	VLSI & RA	68	28	5	4	11	7	1	0	10	41.18	85.29
5	Elect & RA	68	23	2	4	9	6	2	0	15	33.82	77.94
6	Mech-A	64	19	3	6	5	3	2	0	15	29.69	76.56
7	Mech-B & Mech SW	57	22	3	1	7	10	1	0	16	38.6	71.93
8	Mech sw & Civil-A	62	18	3	2	4	7	1	0	19	29.03	69.35
9	Civil-B	62	14	1	0	6	4	3	0	17	22.58	72.58
10	Civil-B & Chem	62	20	3	6	9	1	1	0	11	32.26	82.26
	Total	649	288	71	59	90	56	12	0	117	44.38	81.97

1.10 UNIVERSITY RANKERS (Consider last five academic years)

Academic Year 2020 - 21			
Sr No	Name of the Ranker	Class	Rank
1	Kavathekar Ishan Kishorkumar	Comp-A	1
2	Navale Samruddhi Ajay	Comp-A	1

3	Suyash Sanjay Pustake	Comp-A	2
4	Thakur Harsh Prashant	Mech-B	2
5	Mukherjee Anish Sanjay	Comp-A	3
6	Hire Mandar Ravindra	Civil-A	3
7	Parkar Tanmay Satish	Comp-A	3
8	Malawe Devraj Makarand	Comp-A	3
9	Jamdar Atharva Dilip	Comp-B	3
10	Sawant Atharva Rakesh	Mech-B	3
11	Venkatesh Soni	Comp-A	4
12	Pagare Gaurav Sandeep	Comp-B	4
13	Sawant Hrutik Suresh	Comp-B	4
14	Hirave Akshay Dattatray	E&TC	4
15	Daye Sarthak Ravindra	Mech-A	4
16	Alok	Mech-A	4
17	Singh Amey Krishna Kumar	Comp-A	5
18	Patil Prathamesh Sunil	Comp-A	5
19	Jaysheel Girish Dodia	Comp-A	5
20	Wadhwani Sahil Harish	Comp-B	6
21	Digvijay Surendra Chavan	Mech-A	6
22	Pawar Vinit Nitin	Mech-B	6
23	Anurag Kishore Jadhav	Comp-B	7
24	Atre Chinmayee Mahesh	Comp-B	7
25	Agrawal Aditya Dilip	Comp-B	7
26	Bokade Pranav Mahesh	Comp-B	7
27	Harshad Sanjay Jathot	Comp-B	7
28	Kale Purnendu Prasad	Comp-B	8

29	Patil Yash Avinash	Comp-B	8
30	Wagh Shraddha Balasaheb	Comp-A	10
31	Dhangar Ganesh Bichappa	Mech-A	10
32	Phade Rushi Indrajit	Mech-B	10

Academic Year 2021 - 22			
Sr No	Name of the Ranker	Class	Rank
1	Sakshi Nilesh Amrutkar	Comp-A	9
2	Lonkar Gaurav Santosh	Comp-B	9

FACULTY AND STAFF GROUP PHOTOS



2. FACULTY CONTRIBUTION

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

Term One		
SN	Name of Faculty	Awards & Recognitions
1	Dr. A B Patil	NPTEL Elite + Silver
2	S A Kothari	NPTEL Elite + Silver

Term Two		
SN	Name of Faculty	Awards & Recognition
1	M G Ghodekar	NPTEL Elite + Silver

2.2 CONTRIBUTION OF FACULTY (Interaction with outside world)

Term One		
SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level, corporate world, Social Platforms, etc)
1	Dr. N N Shejwal	Subject Expert for Faculty Selection for Engineering Physics at MMIT, Pune

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. N N Shejwal	Lecture on “ NSS from Campus to Community” at St.Mira’s College, Pune
2	Dr. N N Shejwal	Lecture on “ Advanced technology for Rural Development” at Ajeenkya D Y Patil School of Engineering, Pune

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	Gade S T	Lectures on Systems In	Youtube	https://www.youtube.com/playlist?list=PLT

		Mechanical Engineer		Vzmn5cPNf6F1FIimF0mooUgE8YngJW-
2	A Gupta	Lectures on Programming and Problem Solving,	Youtube	www.youtube.com/@AnkitaGupta-id2vj
3	B A Patil	Lectures on Programming Fundamentals and operating systems	YouTube	https://www.youtube.com/channel/UCOS0EfPVCHYM4nbcjUYgK5Q
4	S T Surase	Lectures on Engineering Mathematics	YouTube	http://www.youtube.com/@SudhirMaths-ve9hb
5	All FE Department Faculty	FE Subject Website	Google sites	bit.ly/aissms_coe
6	Dr. P. D. Baviskar	Lecture on Fuels	YouTube	https://www.youtube.com/watch?v=qGEml9m3S2Y
7	Mrs. M A D'Cruz	Videos on Engineering Mechanics	Youtube	link:https://www.youtube.com/channel/UC AaDRcM8WV-WL22723DCcgg/
8	Mrs. M A D'Cruz	Inspirational Writings	Wordpress.com	https://theangelsecrets.wordpress.com/
9	V Y Sonawane	Lectures on Systems In Mechanical Engineer	YouTube Google Classroom	https://www.youtube.com/@vishnusonawane2609

				https://classroom.google.com/u/1/c/NTIzOTc2NjA2MjIy
--	--	--	--	---

Term Two				
Sr No.	Name of Faculty	Title of e-content	e-content development facility/platform	link of the content
1	Gade S T	Lectures on Engineering Graphics	Youtube	https://www.youtube.com/playlist?list=PLTVzmn5cPNf4lhs0HMXaIKTz9tvQ2DpA1
2	S.T.Surase	Lectures on Engineering Mathematics	You-Tube	http://www.youtube.com/@SudhirMaths-ve9hb
3	Dr A B Patil	Video Lectures on Engineering Mathematics	YouTube	https://www.youtube.com/@dramolpatil294
4	All FE Department Faculty	FE Subject Website	Google sites	bit.ly/aissms_coe
5	Mrs. M A D'Cruz	Videos on Engineering Mechanics	Youtube	link:https://www.youtube.com/channel/UCAaDRcM8WV-WL22723DCcgg/
6	Mrs. M A D'Cruz	Inspirational Writings	Wordpress.com	https://theangelsecrets.wordpress.com/
7	Mr.S S Patil	EG Videos	You Tube	https://www.youtube.com/@sumantpatil6161

2.4 FDP/STTP ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	K G Choudhari	Innovative Teaching and Learning Pedagogy	Research Foundation of India	26/06/2023 to 30/06/2023
2	K G Choudhari	"Research Publication, Copyright and Patents in Science and Technology	P. R. Pote Patil College of Engg & Management, Amravati.	03/07/2023 to 07/07/2023
3	K G Choudhari	Advances in Green Technology and Future Opportunities",	Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	07/08/2023 to 11/08/2023
4	Dr S K Upasani	Advances in Green Technology and Future Opportunities",	Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	07/08/2023 to 11/08/2023
5	Dr S K Upasani	Exploring quality research and its societal Impact	Dr D Y patil Institute of Technology pimpri	09/10/2023 to 13/10/2023
6	Dr A B Patil	Foundations of R Software	NPTEL Swayam	July-October 2023
7	Almas Ambreen	National level FDP on cloud infrastructure	AISSMS COE	21/08/2023 to 25/08/2023
8	Almas Ambreen	FDP on Advance in green technologies and future opportunities	D Y Patil Akurdi	07/08/2023 to 11/08/2023
9	M.G. Ghodekar	"Education 4.0 In Higher Education",	Vishwakarma Institute of Information Technology, Pune	31/07/2023 to 04/08/2023

10	M.G. Ghodekar	Applications of Business Analytics	Ramaiah Institute of Technology in Collaboration with ExcelR EdTech Pvt. Ltd.	09/10/2023 to 13/10/2023
11	M.G. Ghodekar	Cloud Infrastructure(AWS)"	AISSMS IOIT, Pune	21/08/2023 to 25/08/2023
12	M.G. Ghodekar	NLP and ChatGPT Applications	SECAB Institute of Engineering & Technology in Collaboration with ExcelR Edtech Pvt. Ltd	14/08/2023 to 19/08/2023
13	M.G. Ghodekar	Exploring Quality Research and its Societal Impact	Department of First Year Engineering and Research & Development Cell, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	09/10/2023 to 13/10/2023
14	B S Bobdey	Advances in Green Technology and Future Opportunities",	Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	07/08/2023 to 11/08/2023
15	S S Khasbage	Advances in Green Technology and Future Opportunities"	Dr. D. Y. Patil IEMR, Akurdi, Pune	07/08/2023 to 11/08/2023
16	S S Khasbage	Recent Trends in Heating, Ventilation, Air-conditioning and Refrigeration	MMCOE, Karvenagar, Pune	26/12/2023 to 30/12/2023
17	Dr. S. S. Modhave	Analytical Chemistry	NPTEL	August-Nov 2023

18	Dr. S. S. Modhave	Modern Trend of Design Thinking, Science and Professional skill in Engineering	MIT-ADT	11/12/2023 to 22/12/2023
19	Dr. S. S. Modhave	Distributed Ledger Technology	DYP	04/12/2023 to 11/12/2023
20	Dr. S. S. Modhave	Advances in Green Technology and Future Opportunities	DYP	07/08/2023 to 11/08/2023
21	S. G. Wani	Statistical Analysis With Excel	AISSMS IOIT, Pune	9/12/2023 to 13/12/2023
22	S. G. Wani	Modern Trends of Design Thinking, Sciences and Professional Skills in Engineering.	MIT Arts Design and Technology University, Pune	11th to 22 Dec. 2023
23	S. G. Wani	Analytical Chemistry	NPTEL	21 Aug to 15 Nov 2023-12 week
24	S. G. Wani	Advances in Green Technology and Future Opportunities	Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	07/08/2023 to 11/08/2023
25	Bhakti Patil	National FDP on Cloud Infrastructure AWS	Brainovision and AISSMSCOE	21/08/2023 to 25/08/2023
26	Bhakti Patil	Advances in Green Technology and Future Opportunities	Dr. D. Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune	07/08/2023 to 11/08/2023
27	Bhakti Patil	Education 4.0 in Higher Education	VIIT ,Pune	31/07/2023 to 04/08/2023
28	Bhakti Patil	NPTEL: Python for Data Science	NPTEL Swayam	July-August 2023
29	Ankita Gupta	National FDP on Cloud Infrastructure AWS	Brainovision and AISSMSCOE	21/08/2023 to 25/08/2023
30	Ankita Gupta	Advances in Green Technology and Future Opportunities	Dr. D. Y. Patil Institute of Engineering, Management	07/08/2023 to 11/08/2023

			and Research, Akurdi, Pune	
31	Ankita Gupta	Education 4.0 in Higher Education	VIIT ,Pune	31/07/2023 to 04/08/2023
32	Ankita Gupta	NPTEL: Python for Data Science	NPTEL Swayam	July-August 2023
33	Amruta M. Shete	Attended FDP on “Advances in Green Technology and future opportunities”	D. Y. Patil Institute of Engineering, management and technology, Akurdi, Pune	07/08/2023 to 11/08/2023
34	S.B.Patil	Attended FDP on “Advances in Green Technology and future opportunities”	D. Y. Patil Institute of Engineering, management and technology, Akurdi, Pune	07/08/2023 to 11/08/2023
35	S.B.Patil	Cloud Infrastructure (AWS)	AISSMSCOE, Pune,	21/08/2023 to 25/08/2023
36	Dr M K Nikam	Research Publication, Copyright and Patents in Engineering and Technology	College of Engineering & Management, Amaravati.	03/07/2023 to 07/07/2023
37	Dr M K Nikam	Modern Trends in Design Thinking, Science and Professionals Skills in Engineering	MIT ATD Pune	11/12/2023 to 22/12/2023
38	S.T.Surase	Modern trends of Design Thinking, Sciences & Professional Skills in Engineering	MIT ADT Pune	11/12/2023 to 22/12/2023
39	S.T.Surase	Advances in Green Technology & Future Opportunities	D. Y. Patil IEMR Akurdi, Pune	07/08/2023 to 11/08/2023
40	S.T.Surase	"Research Publication, Copyright and Patents in Science and Technology.	P. R. Pote Patil College of Engg & Management, Amravati.	03/07/2023 to 07/07/2023
41	Dr. P. D.	Distributed Ledger Technology"	Dr. D	04/12/2023 to

	Baviskar		Y Patil IEMR Akurdi, Pune	11/12/2023
42	Dr. P. D. Baviskar	Emerging trends in Sustainable Technologies	SCOE,Pune	12/12/2023 to 15/12/2023
43	Dr. P. D. Baviskar	Advances in Green Technology & Future Opportunities	D. Y. Patil IEMR Akurdi, Pune	07/08/2023 to 11/08/2023
44	Dr. M. Gauratra	Advances in Green Technology & Future Opportunities	D. Y. Patil IEMR Akurdi, Pune	07/08/2023 to 11/08/2023
45	S H Lavate	Training Program On Statistical Analysis with Excel	AISSMS IOIT Pune in association with Research Foundation of India	09/12/2023 to 13/12/2023
46	Mrs. M. A. D'Cruz	Module 2 - Module 2 Professional Ethics & Sustainability	AICTE-NITTT	Oct-Nov 2023
47	Mrs. M. A. D'Cruz	Module 5 - Technology Enabled Learning & Life-Long Self Learning	AICTE-NITTT	Oct-Nov 2023
48	Mrs. M. A. D'Cruz	Design and Development of AI-ML Models for Beginners	A.P. Shah IOT, Thane	17/07/2023 to 21/07/2023
49	Mr.S S Patil	Advances in Green Technology & Future Opportunities	D. Y. Patil IEMR Akurdi, Pune	07/08/2023 to 11/08/2023
50	Mr V Y Sonawane	Attended Short-Term Training Program on "Recent Advancements in Fuel Cell and Hydrogen Storage"	Anurag University, India, in collaboration with the Centre for New Energy Transition Research, Federation University, Australia	09/10/2023 to 13/10/2023
51	Dr.N N Shejwal	FDP on Sustainability in Process Engineering	MIT WPU	18/12/2023 to 22/12/2023
52	Dr.N N Shejwal	Workshop on "Proposed Curriculum of FE structure of 2024 syllabus as per NEP 2020"	BoS (Engineering Sciences), SPPU in association	04/11/2023

			with I2IT Pune.	
53	S A Kothari	Advances in Green Technology & Future Opportunities	D. Y. Patil IEMR Akurdi, Pune	07/08/2023 to 11/08/2023
54	S A Kothari	Exploring Quality Research and its Societal Impact	Dr. D. Y. Patil Institute Of Technology, Pimpri	09/10/2023 to 13/10/2023

Term Two				
S N	Name of Faculty	Title of the FDP/STTP	Organized by	Duration/ Dates
1	K G Choudhari	Data Science Application in real world using Python	ICEM, Pune	18/03/2024 to 22/03/2024
2	Dr S K Upasani	Recent Development in advance materials	ISTE & K J college of Engineering and material Pune	02/01/2024 to 06/01/24
3	Dr S K Upasani	Modeling and simulation of Electric Vehicles	Automobile,civil,mech dept.of Dhole patil college and cadd centre pune,sppu	26/02/2024 to 01/03/2024
4	Dr M K Nikam	Recent Advances in Mathematical modeling and Optimization	CSSR & SRRM	08/01/2024 to 12/01/2024
5	Dr M K Nikam	Short Term Training programme on Matlab	CSSR & SRRM	08/04/2024 to 14/04/2024
6	Dr M K Nikam	“Improving 21st century teaching skills using technological tools”	SAE Pune	22/04/2024 to 26/04/2024
7	Dr M K Nikam	Short Term Training programme on Scilab	CSSR & SRRM	29/04/2024 to 04/05/2024
8	S A Kothari	Psychology of Learning	NPTEL	12 WEEKS
9	S A Kothari	Data Science Application in real world using Python	Indira College of Engineering and	18-22nd March 24

			Management	
10	Almas Ambreen	FDP on Frontiers in Mechanical Engineering: Embracing Modern Trends and Innovations	DMI College of Engineering Palachur Chennai	21/03/2024 to 27/03/2024
11	Almas Ambreen	FDP on Nanomaterial's for Sustainable Development	D Y Patil Akurdi	26/03/2024 to 30/03/2024
12	Bhakti Patil	National Faculty Development Program on Business Analytics	EXCELR and AISSMSCOE	05/02/2024 to 09/02/2024
13	Bhakti Patil	FDP on Data Science applications in real world using Python	ICEM , Pune	18/03/2024 to 22/03/2024
14	Ankita Gupta	National Faculty Development Program on Business Analytics	EXCELR and AISSMSCOE	05/02/2024 to 09/02/2024
15	Ankita Gupta	FDP on Data Science applications in real world using Python	ICEM , Pune	18/03/2024 to 22/03/2024
16	M.G. Ghodekar	Business Analytics	EXCELR and AISSMSCOE	05/02/2024 to 09/02/2024
17	M.G. Ghodekar	Deep Dive into Data Science & Machine Learning	NMIET, Talegaon, Pune	26/02/2024 to 01/03/2024
18	M.G. Ghodekar	Artificial Intelligence and Generative Models	Vishwakarma Institute of Technology, Pune	15/01/2024 to 19/01/2024
19	M.G. Ghodekar	Mastering Modern Deep Learning and Data Science	Pimpri Chinchwad College of Engineering, Nigdi	20/02/2024 to 02/03/2024
20	M.G. Ghodekar	Empowering educators: Advancement in computing pedagogy	Vishwakarma Institute of Technology, Pune	12/02/2024 to 17/02/2024
21	B S Bobdey	Recent Trends in Mechanical Engineering	Department of Mechanical Engineering of ATS SBGI, Miraj.	08/01/2024 to 13/01/2024
22	S S Khasbage	Enhancing Soft Skills and Personality	FDP NPTEL	Feb-April 2024

23	Dr V S Kalyani	Enhancing teaching learning Padagogy using hands on –ICT tools	K B Jain COE,Nashik	22/04/2024 to 27/04/2024
24	Dr V S Kalyani	BYST(Bhartiya Yuva ShaktiTrust): Mentor Development	BYST	March 2024
25	Dr. S. S. Modhave	Chemistry of Main Group Elements	NPTEL	Jan to April 2024
26	Dr. S. S. Modhave	Business Analytics	EXCELR and AISSMSCOE	05/02/2024 to 09/02/2024
27	Dr. S. S. Modhave	Mastering Modern Deep Learning And Data Science	PCCOE,Pune	26/02/2024 to 02/03/2024
28	Dr. S. S. Modhave	Empowering Educator: Advancement in Computer pedology	VIT	12/02/2024 to 17/02/2024
29	Suvidha B. Patil	Nanomaterials for Sustainable Development”	Department of First Year Engineering, DYPIEMR Akurdi, Pune	26/03/2024 to 30/03/2024
30	S. G. Wani	Exploring the use of AI tools in Research	Gokul Global University, Sidhpur, Gujrat	08/04/2024 to 13/04/2024
31	S. G. Wani	Chemistry of Main Group Elements	NPTEL FDP	Jan to April 2024
32	A.M. Shete	Attended FDP on “Global conversations in Mechanical Engineering:Bridging Innovation & sustainability"	Madanapalle Institute of Technology & Science, Andhra Pradesh	19/02/2024 to 23/02/2024
33	A. M. Shete	Attended workshop on “Mentorology : BYST”	AISSMS COE, Pune	March 2024
34	S A Kothari	One week STTP on Multidisciplinary Education and Research	NITTTR Bhopal	10/06/2024 to 14/06/2024
35	S.T.Surase	Mathematics With Scilab	NITTTR	04/03/2024 to 08/03/2024
36	Dr. P. D. Baviskar	Cognitive computing for smart application	VIIT	18/03/2024 to 22/03/2024
37	Dr. M. Gauratra	Innovative Teaching Methods for the 21st Century	FDP DIV, A.C.T Academy, Kerala Unit.	06/03/2024

38	Mrs. M. A. D'Cruz	Design Thinking and Idea Labs	PVG COE	10/06/2024 to 14/06/2024
39	Dr. D V Nighot	Orientation Program on "Examination Processes, Automation and Reforms"	SPPU, Board of Examinations and Evaluation	19/03/2024

2.5 SEMINARS/ WORKSHOPS/ WEBINARS ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Seminar/Webinar	Organized By	Duration/ Dates
1	S A Kothari	Economical efficient and long lasting modern road technology- thin white topping	Ultra tech cement Ltd.	15/07/2023
2	Dr. S.S.Modhave	AC-DC Rechargeable LED bulb Manufacturing	Nowrosjee Wadia college, Pune	14/09/2023
3	S.T.Surase	Smart Experimentation	Bhaskaracharya Pratishthana, Pune	01/07/2023
4	Dr. P. D. Baviskar	New policies, opportunities, and risks	Elsevier	20/11/2023
5	Mrs. M. A. D'Cruz	VISHWA IP Conclave	VIIT, Pune	24/11/2023 to 25/11/2023
6	V Y Sonawane	CADMECH Engineering Pvt. Ltd. Pune- Name of Expert: Mr. Nikhil Maral	AISSMS COE	02/11/2023

Term Two				
S N	Name of Faculty	Title of the Seminar/Webinar	Organized By	Duration/ Dates
1	S A Kothari	Case Study On Condition Assessment Of Existing Rcc Structure Using Infrared Technology Attached With UAV/Drone	Ultra Tech Cement Ltd.	27/04/2024
2	S S Khasbage	National Level 5-Days Workshop On "Application	PCCOER Pune	02/04/2024 to 06/04/2024

		Of Multi Criteria Decision Making Methods"		
3	Dr. S. S. Modhave	Innovative Teaching Methods For The 21st Century	A.C.T. Academy	06/03/2024
4	Dr. P. D. Baviskar	Ethics Responsibilities For Peer Reviewers	Elsevier	20/05/2024
5	Dr. S.S. Modhave	Chemistry and Its Industrial Applications	SPHJ Science College, Nashik	08/04/2024
6	S.B.Patil	Quality Research Paper & Funding Project Proposal Writing	Siddhartha Institute Of Technology College In Vijayawada, Andhra Pradesh	11/03/2024 to 15/03/2024
7	S A Kothari	National Webinar On Research Methodology	Government Degree College Timarni (MP)	31/05/2024
8	S A Kothari	Workshop On Creators Of Metaverse Phase 1	AICTE Supported By Meta Platforms	
9	Dr. D V Nighot	Workshop on "Implementation of NEP 2020: Teaching Learning Process"	RMD Sinhgad School of Engineering, Warje	13/05/2024

2.6 CONFERENCES/ SYMPOSIUMS ATTENDED BY THE DEPARTMENT FACULTY

Term One				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	S S Khasbage	International Conference on Convergence in Technology (ICCT 2023)	Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.	08/09/2023 and 09/09/2023

Term Two				
S N	Name of Faculty	Title of the Conference / Symposium	Organized By	Duration/ Dates
1	A. M. Shete	A global symposium on sustainable development in civil engineering	DYPIT	19/01/2024 to 20/01/2024
2	Dr. S.S.Modhave	Recent Trends in Material and Green Chemistry	Dept of Chem. Mahatma Phule College	13/01/2024
3	B S Bobdey	Symposium on Applicable Mathematics (SAM2023)	JSPM University	22/12/2023

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	Dr A B Patil	Foundations of R Software	NPTEL Swayam	12 weeks
2	S A Kothari	Psychology of learning	NPTEL Swayam	12 weeks
3	Almas Ambreen	The science of happiness and well being	NPTEL Swayam	08 Weeks
4	Almas Ambreen	Module 01:Orientation towards technical education	NITTT	08 Weeks
5	Dr V S Kalyani	Module 01:Orientation towards technical education	NITTT	08 Weeks
6	Bhakti Patil	Python for Data Science	NPTEL Swayam	04 weeks
7	Ankita Gupta	Python for Data Science	NPTEL Swayam	04 weeks
8	B S Bobdey	Research Methodology	NPTEL Swayam	08 Weeks
9	Dr. S.S.Modhave	Analytical Chemistry	NPTEL Swayam	12 Weeks
10	S. G. Wani	Analytical Chemistry	NPTEL Swayam	12 Weeks
11	Mrs. M. A. DCruz	Module 02:Professional Ethics & Sustainability	AICTE- NITTTR	08 weeks

12	S.B.Patil	Module 01:Orientation towards technical education	NITTTR	08 weeks
13	S.B.Patil	Module 02:Professional Ethics & Sustainability	NITTTR	08 Weeks
14	S A Kothari	Module 5: Technology Enabled Learning & Life-Long Self Learning	NITTTR	08 Weeks
15	A. M. Shete	Module 01:Orientation towards technical education	NITTTR	08 Weeks
16	A. M. Shete	The science of happiness and well being	NPTEL Swayam	08 Weeks
17	Dr. M. Gauratra	Soft Skills	NPTEL Swyam	12 weeks
18	K G Choudhari	Module 1 NITTR	NITTR	08 Weeks
19	Mrs. M. A. DCruz	Module 5: Technology Enabled Learning & Life-Long Self Learning	AICTE- NITTTR	08 Weeks
20	Mrs. M. A. DCruz	Air Pollution – a Global Threat to our Health	Coursera	12 Weeks

Term Two				
S N	Name of Faculty	Title of the Course	Conducted By	Duration/ Dates
1	S. G. Wani	Chemistry of Main Group Elements	NPTEL Swayam	08 Weeks
2	M.G. Ghodekar	Python for Data Science	NPTEL Swayam	04 weeks
3	Dr. S.S. Modhave	Chemistry of Main Group Elements	NPTEL Swayam	12 Weeks
4	M.G. Ghodekar	Module-03: Communication skills,Modes and Knowledge	NITTTR	08 Weeks

		Dissemination		
5	Dr. P. D. Baviskar	Human Behaviour	NPTEL	08 Weeks
6	Dr. P. D. Baviskar	Environmental Impact Assessment	NPTEL	08 Weeks
7	Dr A B Patil	6 Weeks (60 Hours) live online Industrial Training on Machine Learning and Artificial Intelligence	Edulakes Solutions LLP	6 weeks 29/04/2024 to 07/06/2024
8	Dr. M. Gauratra	Soft skill Development	NPTEL Swayam	08 Weeks
9	K G Choudhari	Smart Grid: Basics to Advanced Technologies	NPTEL Swayam	12 Weeks
10	Dr. S K Upasani	Roadmap for Patent Creation	NPTEL Swayam	08 Weeks
11	S S Khasbage	Enhancing Soft Skills and Personality	NPTEL Swayam	08 Weeks
12	B S Bobdey	Smart Grid: Basics to Advanced Technologies	NPTEL Swayam	12 Weeks
13	S.T.Gade	Enhancing Soft Skills and Personality	NPTEL Swayam	08 Weeks
14	S S Patil	Principles Of Casting Technology	NPTEL Swayam	08 Weeks
15	S S Patil	Fundamentals of Automotive Systems	NPTEL Swayam	08 Weeks

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

Term One					
S N	Name of faculty coordinator	Topic	Name and contact details of guest	Date	Number of beneficiaries
1	V Y Sonawane	CNC Machine and programming	CADMECH Engineering Pvt. Ltd. Pune- Name of Expert: Mr. Nikhil Maral on 2 nd November 2023	02/11/2023	55

2.9 FACULTY SERVED AS RESOURCE PERSON, EXPERT, CHAIRPERSON

Term One				
S N	Name of Faculty	Title of Activity	Organizing body	Date
1	Dr. P. D. Baviskar	Lecture on Human Values (Induction Program)	AISSMS COE	21/08/2023
2	Bhakti Patil	Lectures on Computer Competency in FE Induction Program	AISSMS COE	07/08/2023 to 14/08/2023
3	Ankita Gupta	Lectures on Computer Competency in FE Induction Program	AISSMS COE	07/08/2023 to 14/08/2023
4	Dr. S.S.Modhave	Lectures on Numerical solving in Analytical Chemistry	Prof. Ramkrishna More College, Pune	21/10/2023
5	Mrs. M. A. D'Cruz	Speaker at Induction Program: Social Media Handling (AICTE)	AISSMS COE	07/08/2023 to 14/08/2023

Photographs of faculty contribution

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
MRS SONAL KOTHARI
for successfully completing the course
Psychology of Learning

with a consolidated score of **83** %

Online Assignments	22.5/25	Proctored Exam	60/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **2709**

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IT Kanpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL23H855745101885 To verify the certificate No. of credits recommended: 3 or 4

Mrs. S A Kothari (NPTEL Elite+Silver)

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
AMOL BHAUSAHEB PATIL
for successfully completing the course
Foundations of R Software

with a consolidated score of **77** %

Online Assignments	11.47/25	Proctored Exam	65.28/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1668**

Jul-Oct 2023
(12 week course)

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IT Kanpur

Prof. Satyaki Roy
NPTEL Coordinator
IT Kanpur

Indian Institute of Technology Kanpur

swayam

Roll No: NPTEL23MA865745100302 To verify the certificate No. of credits recommended: 3 or 4

Mr. A B Patil (NPTEL Elite+Silver)

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to
MONIKA GANESH GHODEKAR
for successfully completing the course
Python for Data Science

with a consolidated score of **86** %

Online Assignments	23.75/25	Proctored Exam	61.99/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **11953**

Jan-Feb 2024
(4 week course)

Prof. Devendra Jalihal
Chairman,
Centre for Outreach and Digital Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL24CS4S450702987 To verify the certificate No. of credits recommended: 1 or 2

Mrs. M G Ghodekar (NPTEL Elite+Silver)

COURSE CERTIFICATE

UNIVERSITY OF COPENHAGEN

Aug 19, 2023

Coursera Learner

has successfully completed

Air Pollution - a Global Threat to our Health

an online nano-credit course authorized by University of Copenhagen and offered through Coursera

Verify at:
<https://coursera.org/verify/CXW665W77474>

Mrs. M A D'Cruz (Coursera Certificate)

3.ACTIVITIES ORGANIZED

3.2 SEMINARS/ WORKSHOPS/ WEBINARS ORGANIZED BY THE DEPARTMENT

Term One					
S N	Name of Coordinator/s	Title of the Seminar/Webinar	Duration/ Dates	No. of Participants	Funding Agency (If any) and Amount (Rs.)
1	V Y Sonawane	CNC Machine and programming	02/11/2023	55	AISSMS COE Pune

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

Term One				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiaries
1	FE Department	FE Student Induction Program	07/08/2023 to 21/08/2023 (10 days)	669
2	Mrs. M. A. D'Cruz	Content Writing on AISSMS Brand Furtherance for Print Media	Yearly	Society at large

Term Two				
S N	Name of Faculty Coordinator	Details of activity conducted	Date	Number of beneficiaries
1	S S Patil	PBL Exhibition	10/05/2024	600+
2	Mrs. M. A. D'Cruz	Model Making Competition- Staging Structure	13/03/2024 14/03/2024	40
3	Mrs. M. A. D'Cruz	Content Writing on AISSMS Brand Furtherance for Print Media	Yearly	Society at large

3.7 SOCIAL ACTIVITIES ORGANISED

Term One			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Dr. P. D.Baviskar	Aayushyaman Bhav Program for Male Students by PMC	28/11/2023 to 29/11/2023 Two days	593

Term Two			
Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Ankita Gupta	YUVA Unstoppable Scholarship	Yearly	24
Dr. P. D. Baviskar	Students Health Checkup Camp	03/04/2024 to 05/04/2024 08/04/2024 & 15/04/2024 Five Days	786

3.8 PARENT MEETING

Faculty Coordinator	Day and Date	Details of Parent meetings organized	Number of Parents attended
FE Department	02/11/2023	In semester result and student overall progress discussion with parents	120
FE Department	11/03/2024	In semester result and student overall progress discussion with parents	75

3.12 DETAILS OF STUDENT COUNSELING AND CAREER GUIDANCE AT THE DEPARTMENT LEVEL

Number of students referred for counseling	13
Number of Faculty referred for counseling	NIL

Faculty coordinator	CAREER GUIDANCE ACTIVITY DETAILS
Mr. A Y Kazi	

Photographs related to different activities organized

STUDENT INDUCTION PROGRAM



Principal Dr.D S Bormane addressing parents during FE Induction Program 2023-24



Chief Guest Mr Shekhar Kamble, GDHR-TCS, Shri Suresh Shinde, Hon. Joint Secretary, AISSM Society, Dr. D. S. Bormane Principal AISSMS COE and Dr. D. V. Nighot, Head FE during FE Induction Program



Social Visit to Matoshri Vridhhashram



B A Patil and A A Gupta during lecture on Computer Competency

HEALTH CAMP



Dr.P D Baviskar during Health Camp organized for Boys by PMC



Health Camp for all students

PBL EXHIBITION



Principal Dr.D S Bormane inaugurating the PBL Exhibition



FE E&TC Class with Judges of PBL Exhibition



FE Computer A PBL Group exhibiting their project



FE Civil group explaining their project to Judges

4.RESEARCH CONTRIBUTION

4.1 FUNDED RESEARCH PROJECTS

FUNDING RECEIVED FOR ANY OTHER ACTIVITY

Term One				
S N	Faculty Coordinator	Title of the activity	Amount Received (Rs)	Funding Agency
1	M.A. D'Cruz (BE Project)	Design of Co-Bot Machine for Human and Automotive Industry	Hardware Sponsored	Indo-tech Industrial Solutions Pvt. Ltd

Term Two				
S N	Faculty Coordinator	Title of the activity	Amount Received (Rs)	Funding Agency
1	M.A. D'Cruz (BE Project)	Design of Co-Bot Machine for Human and Automotive Industry	Hardware Sponsored	Indo-tech Industrial Solutions Pvt. Ltd

4.3 PATENTS, COPYRIGHT, TRADEMARK AND OTHER (IPR)

Term Two				
Sr No.	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ International/Com mercialized)
1	Bhakti Patil	Regular Equal Water Distribution System	202221000370 15/03/2024	Indian Patent
2	Dr V S Kalyani	REACTOR FOR RECOVERY OF VALUABLE METALS	400009-001 15/11/2023	Government of India
3	S S Patil	Design and development of Modified Rear view mirror assembly	G12180DE 10/08/2023	International

TOTAL PATENTS DETAILS OF THE DEPARTMENT					
Sr. No.	Faculty Coordinator	Title of patent	Status		
			Date of Filing	Date of Publication / Grant	National / International
1	Bhakti Patil	Regular Equal Water Distribution System	04/01/2022	15/03/2024	Indian Patent
2	Dr V S Kalyani	Reactor For Recovery Of Valuable Metals		15/11/2023	Government of India
3	S S Patil	Design and development of Modified Rear view mirror assembly		10/08/2023	International

PUBLICATIONS

4.4 PAPERS PUBLISHED/ PRESENTED IN PROCEEDINGS OF CONFERENCES

Term One						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
1	Dr. D. V. Nighot	Curcumin-Loaded Phenethyl Isothiocyanate Nano-Spheres: Preparation, Stability Study, and Its	2023	International Conference on Green Energy 16th and 17th 2023	0971-3034	AISSMS COE

		Implication for Cataract Prevention				
2	Dr. P. D. Baviskar	Curcumin-Loaded Phenethyl Isothiocyanate Nano-Spheres: Preparation, Stability Study, and Its Implication for Cataract Prevention	2023	International Conference on Green Energy 16th and 17th 2023	0971-3034	AISSMS COE
3	Dr. S.S. Modhave	Village water survey for study of different parameters of water sample	2023	National e-conference on Resent Trends in Material and Green Chemistry		Mahatma Phule College, Raygad
4	S H Lavate	Machine Learning-based Traffic Classification and Channel Allocation	2023	International Conference on Computing Communication Control & Automation (ICCUBEA2023)		Pimpari Chinchwad College of Engineering Pune

		in IoT: A Survey				
5	Mrs. M. A. D'Cruz	Introducing the 6'R' Habit of Solid Waste Management & unlocking the potential of the Educational Sector	2023	International Conference on Green Energy		AISSMS COE
6	Bhakti Patil	Sentiment Analysis of IMDB Movie Reviews	2023	International Conference on Green Energy	0971-3034	AISSMS COE
7	Bhakti Patil	Creation of Geographic Information System using Global Positioning System Data	2023	International Conference on Green Energy	0971-3034	AISSMS COE
8	Ankita Gupta	Sentiment Analysis of IMDB	2023	International Conference on Green Energy	0971-3034	AISSMS COE

		Movie Reviews				
--	--	------------------	--	--	--	--

Term Two						
S. No	Authors	Document Details	Year	Conference Details	ISBN	Organized by
1	Dr A B Patil	“Vertex Dominations in Graph Theory, Exploring Theory and Applications: Review	2024	International Conference on Recent Advances in Science, Engineering, Technology and Management [ICRASET-2024]	Presented in Conference and Published in the Journal ISSN 2319-8346 e-ISSN 2319-8354	Shri Ambabai Talim Sanstha's Sanjay Bhokare Group of Institutes, Miraj
2	Dr.D V Nighot	Silver Compound-Sensitized ZnO as an Efficient sun Light-Driven Photocatalyst for Effective dye degradation	2024	Proc. 42nd National Conference of Indian Council of Chemists (2024) (Kota,		Indian Council of Chemists

				Rajasthan) IO 16, P.69		
3	S H Lavate	AI-enhanced Cybersecurity Governance and Compliance	2024	International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2024		(AI&DS) Research Group, London Metropolit an University , London, UK
4	S H Lavate	Machine Learning- driven Security Information and Event Management (SIEM)	2024	International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA-2024		(AI&DS) Research Group, London Metropolit an University , London, UK

4.5 PAPERS PUBLISHED IN JOURNALS

Term One						
S. No	Authors	Document Details	Year	Source Details	ISBN/ISSN	Publisher
1	Dr. S. S. Modhave	Removal of Cr(VI) from effluent by Physicochemical method	2023	International Journal of Advanced and Applied Research	2347-7075	IJAAR
2	S. G. Wani	A Review on Banana Pseudostem	2023	Journal of Interdisciplin	0022-1945	JICR

		Waste Utilization and Processing		ary Cycle Research		
3	S H Lavate	Optimal Channel Allocation: A Dual Approach with MCDM and Machine Learning	2023	International Journal of Intelligent Systems And Applications In Engineering	ISSN: 2147-67992 Volume:12 Issue:5s	IJISAE
4	S S Patil	Rapid Anomaly Detection for optimization of Wind Turbine Operating Behavior using ML	July 2023	ISTE	ISSN 0971-3034	AISSMS COE

Term Two						
S. No	Authors	Document Details	Year	Source Details	ISBN / ISSN	Publisher
1	Dr A B Patil	Initial Taylor-Maclaurin Coefficient Bounds and the Fekete-Szego Problem for Subclasses of m-Fold Symmetric Analytic Bi-univalent Functions	2024	TWMS J. App. and Eng. Math. V.14, N.1, 2024, pp. 185-196	ISSN 2146-1147	TWMS J. App. and Eng. Math. [SCOPUS]
2	Dr A B Patil	Vertex Dominations in Graph Theory,	2024	Int. Journal of Advance Research in	p-ISSN	Int. Journal of Advance

		Exploring Theory and Applications: Review		Science and Engineering , Vol-13, Issue-3, March 2024	2319-8346 e-ISSN 2319-8354	Research in Science and Engineering
3	Dr A B Patil	A Comprehensive Review On Vertex Dominations In Graph Theory: Exploring Theory And Applications	2024	Educational Administration: Theory and Practice, 2024, 30(4), 6871-6895	ISSN : 2148-2403	Educational Administration: Theory and Practice [SCOPUS]
4	Dr A B Patil	Inequalities for a certain subclass of bi-univalent functions involving a new integral operator	2024	International Journal of Intelligent Systems and Applications in Engineering	ISSN :2147-6799 - 2147-6799	www.ijisae.org International Journal of Intelligent Systems and Applications in Engineering [SCOPUS]

5	Bhakti Patil	“Twitter Sentiment Analysis on ChatGPT Tweets using SVM and BERT model”	2024	Journal of Technology, Volume 12 Issue 5, May 2024.	1012-3407	Journal of Technology, Volume 12 Issue 5, May 2024.
6	Dr V S Kalyani	Inclusion phenomenon of β -carboline alkaloids with sulfonatocalix [4] arene: Photophysical, cytotoxicity and theoretical study	Dec 2023	Journal of Molecular Liquids Volume 392, Pages 123450	0167-7322	Elsevier
7	Dr V S Kalyani	Efficient removal of toxic Cd (II) ions from waste streams by a novel modified biodegradable magnetic sorbent	Dec 2023	Chemistry of Inorganic Materials volume 1 page 100016	2949-7469	Elsevier
8	Dr V S Kalyani	Graphene oxide-based sorbents modified with waste orange peel biochar for Cd (II) removal from aqueous waste streams	Jan 2024	Separation Science and Technology 59 (2), 241-256	0149-6395	Taylor & Francis

9	Dr. S.S. Modhave	Removal of Hexavalent Chromium by Plant Biomass	May 2024	International Journal of Research and Analytical Reviews (IJRAR)	2349-5138	IJRAR
10	Dr. D V Nighot	Removal of Hexavalent Chromium by Plant Biomass	May 2024	International Journal of Research and Analytical Reviews (IJRAR)	2349-5138	IJRAR
11	Mrs. M. A. D'Cruz	Using Soft Computing Techniques for the Analysis of the Compressive Strengths of Concrete Cubes	May 2024	International Journal of All Research Education & Scientific Methods	ISSN: 2455-6211	International Journal of All Research Education & Scientific Methods
12	Mrs. M. A. D'Cruz	Design of Co-Bot Machine For Human and Automotive Industry	May 2024	International Journal of All Research Education & Scientific Methods	ISSN: 2455-6211	International Journal of All Research Education & Scientific Methods
13	S P Bhosale	Third Eye for Blind	2024	International Journal of All Research Education and Scientific	ISSN: 2455-6211	International Journal of All Research Education and

				Methods (IJARESM)		Scientific Methods (IJARESM)
14	Ankita Gupta	Medi-Vision: Integrating Vision Models for Skin Lesion Classification and Dignosis	2024	IJRAR	2348- 1269	IJRAR
15	Ankita Gupta	Medi-Vision: Integrating CNN Models for Skin Cancer Identification	2024	Journal of Technology Volume 12 Issue 6, June 2024.	1012- 3407	JOT, Volume 12 Issue 6, June 2024.

4.6 BOOK / ARTICLE PUBLICATIONS

Term One				
Author	Title of the Book	Published by	ISBN	Year
S S Khasbage	Rapid Anomaly Detection for optimization of Wind Turbine Operating Behavior using ML	www.isteonline.in	ISSN 0971- 3034	Vol. 46 Special Issue, July, 2023

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

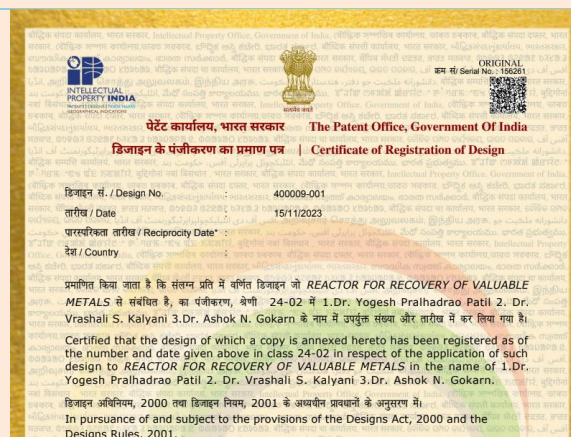
Name of faculty	Citations	h-index	i10 index
Dr. D V Nighot	299	7	4
Dr. S K Upasani	16	1	1
Dr. N N Shejwal	81	4	3
Dr. A B Patil	114	6	5
Prof. S H Lavate	24	2	1
Prof. S S Patil	1	1	0
Prof. S S Khasbage	29	3	1
Prof. B A Patil	46	4	2
Dr. P D Baviskar	2	1	0
Prof. A A Gupta	73	5	3
Dr. V S Kalyani	92	6	3

Total Citations of Department:777

4.9 Ph.D. GUIDE DETAILS

Name of Faculty who are PhD Supervisor	Number of Scholars Registered
Dr. D V Nighot	
Dr. A B Patil	

Photographs related to different activities organized under research, innovation



Patent filed and published by Department Faculty



Industrial Training on “Machine Learning and Artificial Intelligence completed by Dr. A B Patil

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
1	Prof Sumant Patil , and V Y Sonawane along with all FE Faculty	FE ALL	Industrial Visit Shri Sant Tukaram Sahakari Sakhar Ltd., Kasarsai-Darumbre, Post –Kasarsai, Tal-Mulshi, Dist. Pune. for FE on Tuesday, 28-Nov-2023	28/11/2023 To 11/12/ 2023 ,

5.2 EXPERT LECTURES / WEBINARS DELIVERED BY INDUSTRY EXPERTS

Term One					
Sr. No.	Faculty Coordinator	Class (Number of students attended)	Name, Industry, designation and contact details of Expert	Topic	Date
1	V Y Sonawane	55	CADMECH Engineering Pvt. Ltd. Pune- Name of Expert: Mr. Nikhil Maral on discussed regarding training to students and Expert lecture	CNC Machine and programming	02/11/ 2023

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
1	Mrs. M. A. D'Cruz	Design of Co-Bot Machine For Human and Automotive Industry	Indo-tech Industrial Solutions Pvt. Ltd., 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	Dr. D V Nighot	C-MET , Pune	07/11/2022	07/11/2027
2	Bhakti Patil	Tech Amplifiers Pvt Ltd	12/10/2022	12/10/2027
3	Bhakti Patil	NASSCOM	01/04/2023	31/03/2024

Term Two				
Sr. No.	Faculty Coordinator	Name of Industry	Date of MoU Signed	Valid upto (00/00/0000)
1	Dr. D V Nighot	C-MET , Pune	07/11/2022	07/11/2027
2	Bhakti Patil	Tech Amplifiers Pvt Ltd	12/10/2022	12/10/2027
3	Bhakti Patil	NASSCOM	01/04/2023	31/03/2024

5.5 FACULTY MEMBERS UNDERGONE INDUSTRIAL TRAINING

Term One			
Sr. No.	Name of Faculty	Name of Industry	Dates and Duration
1	S.B.Patil	Mahalakshmi Infraprojects Pvt.Ltd	07/08/2023 to 12/08/2023

Term Two			
Sr. No.	Name of Faculty	Name of Industry	Dates and Duration
1	Bhakti Patil, Ankita Gupta, S A Kothari	SkillDzire	03/06/2024 to 30/06/2024

6. STUDENTS' ACHIEVEMENTS

6.7 STUDENTS' ACHIEVEMENTS (Team Level)

Term One			
Name of Event	Name of Faculty Advisor	Details of Achievement (State/University/National/International Level)	Remark (Domain)
Resonance Racing mBaja	Dr. C S Dharankar	Gaurav Vannere, Yuvraj Dhamdhere, Manthan Songirkar, Vedant Raut, Akshat Mehta, Gangasagar Ransarje, Tanay Yadava from FE Department were part of Team Resonance Racing mBaja . This team won overall winner prize worth Rs.100000/-	Mechanical Engineering
UTT National Ranking Table Tennis Championships-2023 (Vadodara)	Dr.M M Kondhare	Shreyas Mane participated as a Player (YBS - U 19 -Extra Entry) in the UTT National Ranking Table Tennis Championships-2023 (Vadodara) held at SAMA Indoor Sports Complex, VSPE, Vadodara (Gujarat) from 21st November to 27th November, 2023	Sports
54 th Inter-district & 85 Maharashtra state table tennis championship -2023	Dr.M M Kondhare	Shreyas Mane participated in 54 th Inter-district & 85 Maharashtra state table tennis championship-2023, held at Shiv Chhatrapati Sports Complex Mahalunge Balewadi Pune, from 14 th November 2023 to 19 th November 2023.	Sports
Late Shri Ramesh Pare Memorial, 3 rd Maharashtra state ranking table tennis tournament, 2023	Dr.M M Kondhare	Shreyas Mane participated in Late Shri Ramesh Pare Memorial, 3 rd Maharashtra state ranking table tennis tournament, 2023 held at District Sports Complex, Nanded from 29 th September 2023 to 3 rd October 2023	Sports
UTT 85 th Inter-State Youth & Junior National Table Tennis championships 2023	Dr.M M Kondhare	Shreyas Mane participated in UTT 85 th Inter-State Youth & Junior National Table Tennis championships 2023 held at Kolkata from 6 th January 2024 to 14 th January 2024.	Sports
5 th Maharashtra state Ranking Table Tennis Tournament 2023	Dr.M M Kondhare	Shreyas Mane participated in 5 th Maharashtra state Ranking Table Tennis Tournament 2023 Suraj Foundation Hall, Kupwad, MIDC Sangli From 5 th November 2023 to 9 th November 2023	Sports

Firodiya Karandak	Mrs.K N Kulkarni	Prajwal Suryavanshi won First Prize in Duet Dance at Firodiya Karandak 2024	Cultural
Firodiya Karandak	Mrs.K N Kulkarni	Karan Jadhav won First Prize in Thread Art at Firodiya Karandak 2024	Cultural



BAJA SAE INDIA 2024 Event Winners



Shreyas Mane during 54th Inter-district & 85 Maharashtra state table tennis championship-
2023

7. SUMMARY AND SWOC ANALYSIS

7.1 ANY OTHER NOTEWORTHY ACHIEVEMENT OF THE DEPARTMENT (Not mentioned above)

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.

7.5 MAJOR GRIEVANCES OF STUDENTS (IF ANY) REDRESSED

NA

7.6 SWOC ANALYSIS

Five major strengths, weaknesses, opportunities, and challenges (SWOC) of the department and future plans of the Department.

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 on 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

Challenges

1	Attracting Better Quality Students at entry level
2	Late joining of some students due to delays in the Centralized Admission Process (CAP)
3	Promoting all students to the 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	669
FACULTY CONTRIBUTION		
02	e content developed by faculty and available online	45
03	Number of FDP/STTP attended by the department faculty	93
04	Number of Seminars/ workshops/ webinars attended by the department faculty	15
05	Number of Conferences/ symposiums attended by the department faculty	04
06	Number of Online courses / certificate courses completed by department faculty	35
07	Number of extension lectures / webinars (Lectures delivered on other than technical topics))	01
08	Number of Faculty served as resource person, expert, chairperson	05
ACTIVITIES ORGANISED		
09	Number of FDP/STTP organized by the department	00
10	Number of Seminars/ workshops/ webinars organized by the department (for faculty)	01
11	Number of Conferences/ symposiums organized by the department (for faculty)	00
12	Number of Extension activities conducted by the department (Social/ Quizzes at national/international level/any other activity)	05
13	MOU signed with academic and professional organizations	00

14	Number of Students' chapters /clubs	00
15	Number of Social activities organized	03
16	Number of Parent meeting	02
17	Number of Alumni meet	NA
18	Number of student counseling and career guidance at the department level	13
	RESEARCH CONTRIBUTION	
19	Number of Funded research project	00
20	Number of Testing and consultancy	00
21	Number of Patents, copyright, trademark and other (IPR)	03
22	Number of Papers published/ presented in proceedings of conferences	12
23	Number of Papers published in journals	19
24	Number of Book/ article publications	01
25	Total Research citations	777
26	Number of ME awarded	NA
27	Number of PhD AWARDED	NA
	INTERACTION WITH INDUSTRY	
28	Number of Industrial visits organized	01
29	Number of Expert lectures delivered by industry experts	01
30	Number of Industry –sponsored projects (UG/PG)	01
31	Number of MOU signed with industry	03
32	Number of Faculty members undergone industrial training	04
33	Number of Students undergone in-plant training and (or) internship programme	NA
34	Number of students placed	NA

35	Number of students qualified in the examinations	NA
----	--	----

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