Annual Activity Report 2020-21

D. Y. Patil College of Engineering

Dr. D. Y. Patil Educational Complex, Sector 29, Nigdi Pradhikaran, Akurdi, Pune, Maharashtra
Approved by AICTE & DTE, Affiliated to Savitribai Phule Pune University
Accredited by NAAC Grade- A

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D. Y. Patil College of Engineering, Akurdi

Dr. D. Y. Patil Pratisthan's D. Y. Patil College of Engineering was established in 1984 in Pimpri and later shifted to Akurdi campus in 2001, which is in the vicinity of Pimpri Chinchwad industrial area, one of the biggest industrial belts in Asia. The college spreads over 10 acres of land with seven Engineering disciplines. The Institute is approved by AICTE, New Delhi & DTE, Maharashtra and is affiliated to Savitribai Phule Pune University (formerly known as University of Pune). The college has excellent infrastructure with well equipped laboratories. Well qualified, motivated and dedicated faculty members are serving the institute. Students are encouraged to actively participate in National and International level co curricular and extra-curricular activities. The Institute has well planned boys and girls hostel in the campus with state of art amenities and ultra-modern facilities.

INSTITUTE CODE : EN6272

Vision

Empowerment through Knowledge.

Mission

M1 – To educate the students to transform them as professionally competent and quality conscious engineers

M2 – To Provide Conducive Environment for Teaching Learning and overall personality development

M3 – To culminate the Institute into an International seat of excellence

D. Y. Patil College of Engineering
Akurdi, Pune-44

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1. Governing Body (GB)

Sr. No.	Category	Name of the member	Position in BoG
1.	Trust or Management nominee as per the constitution or bye - laws with the Chairman or President or Director as the Chairperson and other members	Shri. Satej D. Patil	Chairperson
		Dr. Shri. Sanjay D. Patil	Member, Nominee, Trust
		Mrs. Pratima Satej Patil	Member, Nominee, Trust
		Col. S. K. Joshi (Retd.)	Member, Nominee, Trust
		Mr. P. N. Bhalerao	Member, Nominee, Trust
		Shri. B.D.Kotkar	Member, Nominee, Educationist
		Dr. P. K. Sinha	Member, Nominee, Research
2.	Teachers of the College Nominated by the Principal based on seniority by rotation	Dr. P. T. Nitnaware	Member, Nominee, Faculty
		Dr. M.A. Potey	Member, Nominee, Faculty
3.	Member nominated by the DTE	Member, Nominee, DTE	Member, Nominee, DTE
4.	Member Nominated by the AICTE	Member, Nominee, AICTE	Member, Nominee, AICTE
5.	Member (Nominee, Savitribai Phule Pune University, Pune)	Dr. Y. P. Nerkar	Member, Nominee, SPPU
6.	Principal of the College	Dr. V. M. Wadhai	Member Secretary

2. College Development Committee (CDC)

Sr. No.	Description of member	Designation of member	Name of the member
1.	Chairman	Chairman	Shri Satej D. Patil
2.	Secretary	Secretary	Shri Shripad S. Dharangutti
3.	Head of Department	Member	Dr. Dilip G Khairnar
4.		Member	Dr. Abhijeet Patankar
5.	Teachers	Member	Dr. Sachin Mane
6.		Member – Women	Dr.Mrs. Madhuri A Potey
7.	Non-teaching	Member	Mr. Avinash Thorat
8.		Member – Education	Mr. B.D. Kotkar
9.	Local Members	Member – Industry	Mr. Darshan Wale (Alumnus)
10.		Member – Research	Dr. M. S. Randive
11.		Member – Social Service	Dr. Nilangi Sardeshpnade
12.	Co-ordinator IQAC	Member	Dr. Mrs. P Malathi
13.	College Students' Council	Member – President	Yet to be elected
14.		Member – Secretary	Yet to be elected
15.	Member Secretary	Principal	Dr. Vijay M. Wadhai

3. Internal Quality Assurance Cell (IQAC)

Name	Designation	Position
Dr. N. S. Vyawahare	Campus Director	Management Representative
Dr. Vijay M Wadhai	Principal	Chairperson
Dr. Mrs. P. Malathi	Vice-Principal	Coordinator
Mr. Prashant Bhalerao	Registrar	Administrative office Representative
Dr. Vinay A. Kulkarni	NAAC Coordinator	Member
Dr. Mrs. Preeti Patil	HoD Information Technology	Member
Dr. Madhuri A Potey	HoD Computer Engg.	Member
Dr. B B. Musmade	HoD Instru & Control	Member
Mrs. Shanthi .K Guru	Faculty	Member
Mr. Pradnesh R. Padave	Faculty	Member
Dr. Vijaykumar Jatti	Faculty	Member
Dr. Amit D. Andre	Alumni Representative	Member
Mr. Himanshu Jadhav	Industry Representative	Member
Mr. Nikhil Deshmukh	Employer Representative	Member

4. Intake & Enrolment of First Year Students

Program name	Number of seats sanctioned	Number of Students admitted	Number of seats earmarked for reserved category as per GOI or State Government rule					Number of students admitted from the reserved category				
			SC	ST	OBC	Gen	Others	SC	ST	OBC	Gen	Others
Computer Engineering (UG)	120	120	12	7	29	48	24	9	5	22	69	15
Information Technology (UG)	120	120	12	7	29	48	24	9	3	31	64	13
Electronics & Telecommunication (UG)	120	120	12	7	29	48	24	12	1	35	58	14
Instrumentation Engineering (UG)	60	27	6	3	15	24	12	2	0	8	14	3
Mechanical Engineering (UG) – first shift	120	94	12	7	29	48	24	12	0	33	39	10
Civil Engineering (UG) – first shift	120	92	12	7	29	48	24	13	2	33	25	19
Production Engineering s/w (UG)	120	120	12	7	29	48	24	10	0	36	64	10
Artificial Intelligence & Data Science (UG)	60	2	6	3	15	24	12	2	0	0	0	0

5. Summary of Graduating Students with percentage students passing

Sr. No	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
1	627261210	Mechanical Engineering (UG) – First shift	144	144
2	627261220	Mechanical Engineering (UG) – Second shift	71	71
3	627224510	Computer Engineering (UG)	141	141
4	627224610	Information Technology (UG)	147	147
5	627237210	Electronics & Telecommunication (UG)	122	122
6	627246610	Instrumentation Engineering (UG)	71	71
7	627262610	Production Engineering s/w (UG)	58	58
8	627219110	Civil Engineering (UG) – First Shift	130	130
9	627219120	Civil Engineering (UG) – Second Shift	70	70
Total			954	954

6. Student Co-curricular and Extra Curricular Activities
A. Student Co-curricular Activities

Sr. No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
1	Python Certification Boot camp from zero to hero	22 Hours	1	1
2	Certified Six Sigma Green Belt (+ Excel Application)	6 Hours	1	1
3	Mechanical Design & Product Development Process	4.5 Hours	1	1
4	Operational Excellence Foundations	NA	1	1
5	Project Management Foundations	NA	1	1
6	Investing in Stocks	11.5 Hours	1	1
7	Electric & Hydraulic Cars with Sustainable energy	1 Hour	1	1
8	Six Sigma Foundations	NA	1	1
9	Certiface course in STAAD Pro	1 Week	12	12
10	3 days software training on Open Roads, sewer gems (online)	3 Days	202	202
11	Industrial Automation; Instron	1 Months	27	27
12	Ethnus Campus level training	80 Hrs	53	53
13	Campus Credential	80 Hrs	104	104
14	Basics of JAVA Programming	One Day	103	103
15	ISRO	40 hrs and above	136	136
16	NPTEL Certification	4 Months	14	14
17	NPTEL Certification	1 Year	23	23
18	Coursera Enrollment	As Per Course Duration	5415	5415
19	One Week Online Internship Program on Product Design - Thinking/Innovation/AutoDesk Fusion 360	One Week	9	9
20	Python 3 Tutorial Course SOLOLEARN	3 Week	2	2

21	Python Lessons on Progate	3 Days	1	1
22	Tech Talk Series	1 Week	3	3
23	Supply Chain Logistics	3 Days	1	1
24	HTML,CSS,JAVA SCRIPT FOR WEB DEVELOPERS	1 Months	1	1
25	WEB DEVELOPMENT & MLSA PROGRAM	1 Months	3	3
26	C++ FOR BEGINNERS	1 Months	1	1
27	AWS FOR BEGINNERS	7 Days	1	1
28	FRONTEND WITH REACT & DEPLOYMENT	7 Days	2	2
29	FUNDAMENTALS OF MANAGEMENT	1 Months	1	1
30	AI FOR EVERYONE	1 Months	1	1
31	APPLIED DATA SCIENCE WITH PYTHON	1 Months	1	1
32	PYTHON DATA STRUCTURE	1 Months	1	1
33	PROGRAMMING FOR EVERYBODY(PYTHON)	1 Months	1	1
34	Digital skills for work & life	2 Week	1	1
35	ESUMMIT-IITB-Technical workshop	2Days	1	1
36	Mycaption-web development course	1day	1	1
37	courseera-Database with python	1day	1	1
38	udemy- Brain hacking presentation	1day	1	1
39	udemy- java for begineer	1day	1	1
40	udemy- Complete python	1day	1	1
41	udemy- HTML,Javascript,bootcamp	1day	1	1
42	udemy- javascript algorithm and DS masterclass	1day	1	1
43	udemy- javaprogramming master class for SW	1day	1	1
44	udemy- python for beginners	1day	2	2
45	Udacity-Data Structure	1day	1	1
46	Udacity-Deep learning	1day	1	1
47	udemy- python for all in one mastery	1day	1	1
48	udemy- c++ in one hour	1day	1	1
49	Coding block-c++standerd templete	1day	1	1
50	IBM-SQL and relational database	1day	1	1

51	FOXMULA-security fundamental	1day	1	1
52	Freecodecamp-responsive web design	1day	1	1
53	coursera-programming for everybody(python)	1day	2	2
54	udemy- python for data science and ML bootcamp	1day	1	1
55	udemy- python for those absolute beginner who never program	1day	1	1
56	udemy- python pgramming master class for SW	1day	1	1
57	coursera-create your first python programme	1day	1	1
58	Progate-python course	1day	1	1
59	Progate-fundamental of HTML,CSS,javascript	1day	1	1
60	Progate-go course	3day	1	1
61	Progate-command line and git	1day	1	1
62	google cloud-30 days of GC program	30day	6	6
63	Progate-php course	1day	1	1
64	P-Tech-cyber security fundamentals	1day	1	1
65	Oracle-Database for developers foundation	1day	8	8
66	udemy- python comprehensive Bootcamp	1day	1	1
67	udemy- ML & DS foundation	1day	1	1
68	coursera-ML for all	1day	1	1
69	Microsoft-AI classroom series	1day	1	1
70	Microsoft-introduction to programming using python	1day	1	1
71	Forage-virtual experience programme	1month	1	1
72	LearnCodeOnline-Mastering DS & algo with cpp	1day	1	1
73	coursera-ML foundations	1day	2	2
74	udemy- cyber security course	1day	1	1
75	udemy- learn ethical hacking	1day	1	1
76	udemy- website hacking	1day	1	1
77	ACES-21 days proggramming challenge	21day	1	1
78	unacademy-indian programming camp	3day	1	1

79	my caption -java programming	1month	1	1
80	udemy- java certification	1day	1	1
81	sololearn-java course	1day	1	1
82	coursera-introduction to sql	1day	1	1
83	internshalla-web development	6Weeks	1	1
84	courseera-HTML,CSS,Javascritp	1day	1	1
85	GUVI-Step into robotic automation	1day	1	1
86	Progate-git course	1day	1	1
87	sololearn-c++ course	1day	1	1
88	coding block-Deep learning	1day	1	1
89	udemy- spring framework	1day	1	1
90	udemy- The complete website course	1day	1	1
91	courseera-creating your first c++ application	1day	1	1
92	udemy- c++ in one hour	1day	1	1
93	DYP-SE using Advanced technology	5day	1	1
94	Edounix-Learning software testing	5day	1	1
95	coding ninja-Slack clone project bootcamp	2Days	1	1
96	coding ninja-Ninja Heir2.0	2Days	1	1
97	congetive Class-ML with python	2Days	1	1
98	TCSicon-communication skills	1day	1	1
99	coursera-introduction to DS in python	1day	1	1
100	coursera-Creating your first c++ application	1day	1	1
101	CODING CONTEST-online coding contest	1day	1	1
102	udemy- springboot	1day	1	1
103	udemy- The complete wordpress website course	1day	1	1
104	coursera- AI for everyone	1day	1	1
105	coursera- write professional email in english	1day	1	1
106	coursera- HTML5	1day	1	1
107	coursera- CSS3	1day	1	1
108	coursera- applied data science with python	1day	1	1
109	udemy- The complete data science bootcamp	1day	1	1

110	electronics and ICt academics-DS for all	1day	1	1
111	ACM-java workshop	3day	1	1
112	International WorkshopArtificial Intellegence & Data Science	3 Days	350	350

B. Student Extra Curricular Activities

Sr. No	Name of the award/ medal	Team / Individual	University / State / National / International	Sports / Cultural	Name of the student
1	National level Painting Competition	Individual	National	Cultural	Ayushi Nandeshwar
2	SAE INDIA 1st Up (2nd Prize)	Team	National	Sports	Sudip Chavan
3	SUPRA BAJA Best 4WD -1st Prize	Team	National	Sports	BAJA Team
4	SUPRA BAJA TEAM- 1. CAE Award -1st Prize	Team	National	Cultural	BAJA Team
5	SUPRA BAJA TEAM- Overall Dynamics 2nd Rank	Team	National	Cultural	BAJA Team
6	SUPRA BAJA TEAM- Suspension Event 3rd Prize	Team	International	Sports	BAJA Team

7. Extension, Outreach programs &National Service Scheme (NSS) Activities

Sr. No	Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme
1	Fort Cleaning and Plantation (Tikona)	NSS (26/01/2021)	NSS
2	Expert Lecture on "DO's and Don'ts in NBA" by Dr V A Kulkarni, DYPCOE	Sinhgad College Engineering, Vadgaon Bk, Pune	Outreach Activity
3	Expert Lecture on "OBE-An integrated Approach" by Dr V A Kulkarni, DYPCOE	Karmaveer Adv. Baburao G. Thakare College of Engineering, Nashik	Outreach Activity
4	Expert Lecture on "Role of a teacher: To boost Moral Values, Ethics in Engineering, Education System" by Dr V A Kulkarni, DYPCOE	Karmaveer Adv. Baburao G. Thakare College of Engineering, Nashik	Outreach Activity
5	Expert Talk on "Use of Moodle as LMS" by Dr V A Kulkarni, DYPCOE	MKSSS's Cummins College of Engineering, Pune	Outreach Activity

8. Training and Placement

Placement Percentage data for Academic Year 2020 – 2021

Sr. No.	Branch	No. of Students	No. of Eligible Students	No. of Students Placed	Higher Studies	Entrepre-neurship	Placement % (wrt Intake)	Placement % (wrt Eligibility)
1	Computer	148	141	127	4	1	89	90
2	IT	154	135	127	4	3	87	94
3	E&TC	144	132	117	4	1	85	89
4	Instrumentation	74	66	52	4	1	77	79
5	Mechanical	219	223	158	7	4	77	71
6	Production	63	63	35	5	3	68	56
7	Civil	207	173	82	28	16	61	47
	Total	**1009**	**933**	**698**	**56**	**29**	**78**	**75**

9. Industry Interaction (MoU)

Sr. No.	Name of the MOU Collaboration / linkage	Name of the collaborating agency / institution /industry with whom the MOU / collaboration / linkage is made.	Start date of signing MOU / collaboration / linkage	End date of MOU / collaboration / linkage	List of the actual activities under each MOU
1.	Student's Chapter MOU	ICACI, USA	27-08-2020	Till date	Established IC-ACI's Students' Chapter, received Outstanding University in the 2020 ACI Award,Mr. Ranjit Kekan, Student of DYPCOE has received IC-ACI Scholarship of Rs.15,000/-, International e-Conference on Sustainable Development in Concrete Technology ICSDCT 2021
2.	Student's Project MOU	PCERF	15-09-2020	Till date	Meeting conducted regarding BE / ME projects
3.	FDP MOU	Emerson India Pvt. Ltd Pune	29-09-2020	28-09-2025	Four Faculty Trainings, Two Final Year Projects completed, Three Final Year Projects ongoing, Industrial Automation-II

					practicals conducted on DeltaV DCS system
4.	Skill Development MOU	Verzeo	12-03-2021	Till date	CP pe Charcha, -A skill development program
					GokulDham Programming League- An Online Coding Competition
5.	Internship MOU	NPM Infotech	01-05-2022	Till date	Internship in Web Development
6.	Training MOU	Jendamark India Pvt. Ltd.	15-03-2022	14-03-2027	Faculty Training at Jendamark India Pvt. Ltd. Received Industry Sponsored Dobotb Magician of Rs. 4 Lakhs Dovbot Magician Hands on training Session at DYPCE Akurdi
7.	FDP MOU	Geniobits Private Limited	07-01-2021	Till date	Faculty Development Programs has been organized, Students have done industrial training and internship, skill development program has been organised

10. Alumnae Association and Activities

- Sponsorship to Certificate Training program by TATAIIS on "Essentials of Industrial Automation" to students of Y.B. Patil Polytechnic – Batch 1(24 students were sponsored)

- Virtual Alumni meets were organised each department. We received enthusiastic feedback from the students

- MoU signed with Data Tech Labs, Inc. for upskilling students in the field of AI(Alumni , Computer Engg Batch 2005)

- Mr. Pravin Chaudhari , Director & CEO, Virtuoso Projects & Engineers Pvt. Ltd,Pune Alumni from 2002 batch Instrumentation Engg , Signed MOU with DYPCOE, Akurdi.

- Computer Engineering Department has organized "Women in Technology" Virtual Session for Girls on the occasion of Woman's Day.

11. Library

Mission statement of the college emphasizes the creation of conducive environment for teaching, learning and over all personality development. Library has an important role to play in ensuring such a conducive environment.

Library was established in the year 1984. It has come a long way since then. The ambience of Library provides pleasant and quiet atmosphere for studies. Self-development and learning starts from a student's mind. Keeping the same in mind our libraries have been designed to provide a conducive atmosphere to our students. Library is enriched with vide variety of books, well equipped with modern facilities and resources in the form of books, e-journals, CD-ROMs etc. The Library homepage will provide electronic access to various e-journals.

SUMMARY OF LIBRARY DETAILS	
Volumes	40781
Titles	14732
E-Books	2015
Print Journals	96
E-Journals	4545
Magazines	1
CDs/DVDs	1956
Digital Library facility	Yes
Library Automation with LMS	Yes
Reprographic Service	Yes
Barcoding	Yes
Library networking facility	Yes
Library website	Yes
Total Cost of Books (INR)	19077961/-
Total Cost of Furniture (INR)	40,79,011/-
Total CCTV in Library	12
Total Racks in Library	160
Number of Seats in reading room	160

Branch wise Library Collection -

Program	Number of Titles	Total	Number of Volumes	Total	Number of International Journals /
Civil Engineering Department	2133		4642		18
ME - Construction Management	103	2297	237	5025	
ME -Environmental Engineering	61		146		
Computer Engineering Department	1677	1859	5075	5735	12
ME -Computer Engineering	182		660		
Information Technology Department	625	625	4906	4906	06
Elect.& Telecommunication Department	1567		6281		12
ME -VLSI & Embedded systems	101	1710	212	6604	
ME -Communication Networks	42		111		
Instrumentation Engineering Department	1622	1622	2136	2136	06
Production Engineering Department	440	707	1653	2170	12
ME – Manufacturing and Automation	267		517		
Mechanical Engineering Department	2554		6645		12
ME - Machine Design	201	2787	494	7221	
ME - Heat Power	32		82		
AI & DS	75	75	352	352	
App. Sci. & Others	3050	3050	6632	6632	
Total		**14732**		**40781**	

4.2.1.b - Year wise Books Purchasing Details:

Year	New Volumes (No.)
2020 - 2021	1124
Total Amount (INR)	6,80,378/-

- ## Year wise expenditure on E-resources

Sr.No.	Year	No. of E-Journals	Amount (INR)	Name of the database
1	2020-2021	4545	1,98,240/-	Knimbus

- ## Print Journals addition Details-

Sr.No.	Year	No. of Print Journals	Amount (INR)
1	2021-2022	96	2,33,706/-

- ## Print Magazine Addition Details-

Sr.No.	Year	No. of Print Magazines	Amount (INR)
4	2020-2021	01	2,598/-

- ## Other Subscription Details-

Sr.No.	Year	Other Subscription	Amount (INR)
1.	2020-2021	NDL, DELNET	19470

- ## **Available E-resources–**

Sr. No.	Name of the Database / Resources
1	**DELNET** **USERNAME & PASSWORD For access -** **Username - mhdypce** **Password - dyp9135**
2	**NDL**
3	**NPTEL**
4	**SWAYAM**
5	**Library Website**
6	**Library OPAC**

4.2.1.d - Other Activities conducted by central Library during 2020-21

Sr.No.	Name of the Activity	Date
1.	Marathi Raj Bhasha Gaurav Din	29/02/2021
2.	Virtual Orientation for Engineering Batch 20-21	21/012021
3.	FE Induction Program 2020-21	11/02/2021
4.	Webniar IEEE	21/05/2020

12. Professional Development Activities for staff

Sr. No	Name of Participants	Title of the FDP/MDP/Professional development/Admin training Program	Duration (from – to) (DD-MM-YYYY)
1.	Dr. Mrs. P. Malathi	Advanced Optimization Techniques and hands-on with MATLAB/SCILAB	13/07/2021 – 24/07/2021
2.	Dr. D. G. Khairnar	FDP on "5G communication"	20/10/2020 to 24/10/2020
		One day workshop on Project Based Learning	23/01/2021
3.	Dr. Manish Sharma	FDP on "5G communication"	20/10/2020 to 24/10/2020
4.	Mrs. K. M. Jadhav	National Level FDP on Effective use of ICT Tools in Teaching Learning Process	08/06/2020 TO 12/6/2020
5.	Mrs. M. M. Karad	Refresher course on Aurdino and its applications	17 July 2020 to 21 July 2020
6.	Mrs. A. S. Shinde	Four week online FDP on Tools for online Teaching Learning Process	4-8 August 2020
		Advance Optimization Techniques for Research Problem Solving	13th July to 24th July 2020
7.	Mrs. Usha Jadhav	Advanced optimization techniques and hands on with MATLAB/SCILAB	13th July to 24th July 2020
		Modelling and simulation tools for research	30th Aug to 3rd Sep 2021
		Data Science for Instrumentation	15th July 2021 to 17th July 2021
8.	Mrs.Trupti Wagh	Faculty Orientation program for syllabus revision of SE- Electronic Circuits	22/6/2020 to 26/06/2020
		Advanced optimization techniques and hands on with MATLAB/SCILAB	13th TO 24TH July2020
9.	Mrs. Sayali Mane	Data Science for All	27/07/2020 to 8 August 2020
10.	Mrs. Manisha Rajput	One week online STTP on "Computer Networking & Network Security"	21st to to 26th September 2020
		5 Days FDP ON 5G Communication	20th to 24th October2020
		One week STTP on "Energy Efficient techniques for 5G wireless communication"organised by and PICT NI Labview Academy.Pune	17th to 22nd August 2020

No.	Name	Program	Date
11.	Mrs. V. M. Lakshe (Bagal)	TWO weeks FDP on Machine learning for Computer Vision	29th June-8 July2020
		One week FDP on Machine Learning & Its Applications	16th March – 20th March 2021
		Improving Excellence in Teaching	24.04.2021 to 30.04.2021
		MATLAB and Simulink For IOT application	19 April- 2 May 2021
12.	Mrs. Swati Aswale	Towards Holisitic Development	15th to 19th June 2021
		Research Skills Development	10th May 2021 to 14th May 2021
		Advanced Communication using IoT & WSN	9 /02/2021 to 13/02/2021
13.	Mrs. Shilpa Jagtap	ATAL academy online FDP on Internet of Things	24/08/2020 to 28/08/2020
		Faculty Orientation Workshop for "SE E&TC Revised Syllabus 2019 Course for Data Structures"	22/06/2020 to 26/06/2020
		E-Workshop on " Research Methodology"	10/05/2021 to 15/05/2021
		FDP on "Research Skills Developments"	10/05/2021 to 14/05/2021
		FDP on " RF Front -end design"	19/05/2021 to 22/05/2021
		Virtual Labs Outreach workshop	27/06/2020
14.	Mrs. Shaliaja Yadav	IITB spoken tutorial workshop/FDP on Python.	20/04/2020-25/04/2020
		Four Week Online FDP on Tools for Online Teaching Learning Process	20/04/202 to 17/05/2020
		IITB spoken tutorial workshop/FDP on eSim .	25/04/2020 to 11/05/2020.
15.	Mrs. Snehal Gaikwad	Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB	13-24 Jul 2020
		Two weeks FDP on Machine learning for Computer Vision	29th June-8 July2020
		A Six Days Short Term Training Program on "Energy Efficient Techniques for 5G Wireless Communications" 17th to 22nd August, 2020	17th to 22nd August 2020
16.	Mr. Yogesh Shirke	One Week Faculty Development Program on "eSim",	05/05/2020-10/05/2020
		Faculty Development Program on "Engineering Education & the	1 June, 2020 to 5 June, 2020

		Industry: A Post COVID-19 Perspective"	
		one week National Level online FDP on 'Innovative Teaching Pedagogy in Technical Institutions"	1 June, 2020 to 5 June, 2020
		One Week online FDP on "Drupal"	18/05/2020-23/05/2020
17.	Mrs. Rutuja Deshmukh	Revised Syllabus 2019 Course for the Subject Data Analytics Lab	21ST TO 22ND Jan 2021
		ADVANCED COMMUNICATION USING IOT & WSN	9 /02/2021 to 13/02/2021
		5 days online FDP on " 5G Communication"	20th to 24th October, 2020
18.	Mr. Sagar Bhavsar	One Week Faculty Development Program on "eSim"	05/05/2020-10/05/2020
		7 Days International Webinar on Education in 4.0.	05/05/2020-11/05/2020
19.	Mr. Prabhu Reddy	AI ML by RPG Foundation	18/4/21 to 20/4/21
		3days FDP on e-Learning:elearning: Creating and managing e Content	22-24 June 2020
20.	Mr. Prashant Titare	Innovating teaching pedagogy in the technical assistant	1/6/2020 to 5/6/2020
		Emerging technologies on Robotics	26/5/2020 to 30/5/2020
21.	Ms. Swati Jadhav	International FDP on PO 7- Environment and sustainability	01/05/2020-31/05/2020
		Two week FDP on ML and CV	29 June to 8 July,2020
22.	Dr Preeti Patil	Effective Educational Content Development	02/09/2020 to 08/09/2020
23.	Mr. A. J. Patankar	Data Science for All	27/7/2020 to 8/8/2020
		Research Methodology	10/5/2021 to 15/5/2021
24.	Mrs. Aarti Gaikwad	"Advanced Trends and Practices in IT"	08/12/2020 to 12/12/2020
		"Introduction to Forensic Science and Digital & Cyber Forensics"	15/05/2020 to 19/05/2020
25.	Mr. K. D. Bamane	Research Methodology	10/5/2021 to 15/5/2021
26.	Mrs. Amita Jajoo	Enhancing quality culture in technical insitiutes through online teaching for OBE	05/07/2020
		Online Workshop on "Cyber Security"	17/05/2021 to 19/05/2021

27.	Ms. Himani Patel	İnternational e-Symposium for Reasearch, Innovation and Entrepreneurship	"15/05/2020 to 17/05/2020
		Online workshop on AI & DS	25/05/2020-28/05/2020
28.	Mrs. MadhuriGurale	Information Security and Digital Forensics	23/11/2020 to 28/11/2020
		The Taking Charge of Yourself	06/06/2020
29.	Ms. Rajashree S.	Birlasoft	Aug-Sept 2020
		IPR and Patent Prosecution	24/05/2021 to 28/05/2021
30.	Mr.GajananaBhabulkar	Skill Building: Creating and Empowering leaders of tomorrow	29/8/2020 to 4/9/2020
31.	MrAshishSaxena	"Future Trends Technology-IOT, ROBOTICS & AI"	21/09/2020 to 25/09/2020
32.	Mrs. Sapana Kolambe	Workshop on "Cyber Security"	17-05-2021 to 19-05-2021
33.	Mr. Navnath Kale	Workshop on "Cyber Security"	17-05-2021 to 19-05-2021
34.	Ms. Surbhi Dongaonkar	Workshop on "Cyber Security"	17-05-2021 to 19-05-2021
35.	Mrs Dipali Patil	Workshop on "Cyber Security	17/5/2021 to 19/5/2021
36.	Ms. AshwiniAbhale	Faculty Development Program by Birlasoft	Aug-Sept 2020
37.	MrVinod Mane	Effective Educational Content Development	02/09/2020 to 08/09/2020
38.	Ms. ShraddhaShelar	Effective Educational Content Development	02/09/2020 to 08/09/2020
39.	Ms. DeepaliRane	Effective Educational Content Development	02/09/2020 to 08/09/2020
40.	Mrs Priyanka Gupta	Workshop on "Cyber Security"	17-05-2021 to 19-05-2021
41.	Dr. B. B. Musmade	Data Science for all	27th July - 8th August 2020
		Physics and mechanics of new Materials and their applications	26/3/2021 to 29/3/2021
42.	Mr. V. S. Vibhute	Data Science for all	27th July - 8th August 2020
		Automatus 2020 - Make Automation Yours	01/06/2020 to 12/06/2020
43.	Mr. N. V. Mane	How to write & publish papers in any 50,000+ Web of Science & Scopus indexed journals, conference papers effectively & efficiently using Typeset	14.2.2021

		Research Studio	
		"Introduction of AI Computer Vision and Robotics"	8.7.2020
44.	Ms. R. R. Sangitrao	Product Design & Novelty	6/6/2020 to 10/6/2020
		Digital Skill Development for Professionals	7/12/2020 to 12/12/2020
45.	Mrs. A. A. Utikar	Research Skills development	10/5/2021 to 14/5/2021
		Online Teaching Learning Processes using ICT tools for Education 4.O	8/6/2020 to 13/6/2020
46.	Ms. V. V. Yerande	Overview of Geoprocessing Using Python	18/1/21 to 29/1/21
		Recent Trends in Biomedical Signal Processing	7/12/20 to 12/12/20
47.	Mrs. A. R. Kesti	Automatus 2020 - Make Automation Yours	1/6/2020 to 12/6/2020
		Advanced Communication using IOT and WSN	9/2/2021 to 13/2/2021
48.	Mrs. R. A. Deshpande	Overview of Geoprocessing Using Python	18/1/21 to 29/1/21
		Unbox Research and Beyond Research-What Next	28 April to 5 May 2021
49.	Dr. Ashok B.More	Drafting TE civil 2019 pattern syllabus	3 -5 May.2021
50.	Dr. Basavraj Balpgol	Glimpses of concrete technology on field	1st -5th June.2020
51.	Dr.Sandeep Shiyekar	Glimpses of concrete technology on field	1st -5th June.2020
52.	Mrs. Smita Pataskar	Workshop for drafting of TE civil syllabus	3 -5 May.2021
53.	Dr. Narendra Jain	Glimpses of concrete technology on field	1st -5th June.2020
54.	Dr. S. J. Mane	Three days workshop on online teaching syllabus	1 -3rd July 2020
55.	Saswati Datta	Glimpses of concrete technology on field	1st -5th June.2020
56.	Dr.Tushar Bagul	Glimpses of concrete technology on field	1st -5th June.2020
57.	Mr. Mukund Chougale	Basic Human rights and Introduction to constitution of India	15 -19 May.2021
58.	Mrs. Sneha K Sawant	Improving excellence in teaching	24-30April.2021
59.	Viraj Kashikar	Glimpses of concrete technology on field	1st -5th June.2020
60.	Mrs.Ashwini Patil	International conference on advance material behaviour and characterization	18-23July.2020

61.	Ms. Savita Jatti	one week training on Computer Aided Structural Analysis and Design	13 July to 17 July 2020
62.	Ms. Subhashini Ramteke	Consultancy in civil engineering ; Opportunities and challenges	10th -14th May.2021
63.	Ms. Rohini Khandelwal	Program on Latex	1st -5th June.2020
64.	Ms. Sharmisthata Chakraborty	Glimpses of concrete technology on field	1st -5th June.2020
65.	Mrs.Aradhana Chavan	Glimpses of concrete technology on field	1st -5th June.2020
66.	Hardik Mandwe	Advance civil And structural engg	15-19 June 2020
67.	Pardesi Bhagrashri	Glimpses of concrete technology on field	1st -5th June.2020
68.	Mrs. Supriya Patil	Glimpses of concrete technology on field	1st -5th June.2020
69.	Mrs.Prital Kalsur	Outcome based education and NBA accreditation process	8th - 12th June 2020
70.	Mr. Mahesh Tatikonda	Consultancy in civil engineering ; Opportunities and challenges	10th -14th May.2021
71.	Mr. Sunil Payghan	Innovation and upgradation in infrastrucure technology	22nd - 2nd June.2020
72.	Mr. Avadhut Kulkarni	International faculty development program on energy and enviornmental science	20-25May.2021
73.	Ms.Pooja Kumbhare	Advance technology in Effective teaching	19th - 24th April.2021
74.	Ms. Aparna Gaikwad	Glimpses of concrete technology on field	1st -5th June.2020
75.	Mrs. Yugandhara Ingale	Advance technology in Effective teaching	19th - 24th April.2021
76.	Ms. Bharati Misal	Advance technology in Effective teaching	19th - 24th April.2021
77.	Ms.Pooja Kolla	Glimpses of concrete technology on field	1st -5th June.2020
78.	Kailash Birajdar	Glimpses of concrete technology on field	1st -5th June.2020
79.	Ms. Shraddha Kathalkar	Glimpses of concrete technology on field	1st -5th June.2020
80.	Dr. N. K. Kamble	Futuristic Technologies in Mechanical Industries	05/06/2020 to 09/06/2020
81.	Mr.Y.G.Kamble	System Engineering	1st Feb to 5th Feb 2021
		FDP on Renewable Energy	14/12/2020 to 18/12/2020

82.	Pradnesh Padave	Advances in Renewable Energy"	05 May 2021 to 09 May 2021 (5 Days)
		"Futuristic Technologies in Mechanical Industries	5th June 2020 to 9th June 2020 (5 Days)
83.	Rohit Jadhav	Futurstic Technologies in Mechanical Engineering FDP	5/06/2020 to 09/06/2020
		One Week Webinar on "Advance CNC & VMC Programming"	02/06/2020 to 06/06/2020
84.	Mr.N.M.Mahajan	FDP on System Engineering	1/2/2021 to 5/02/2021
		Futurstic Technologies in Mechanical Engineering FDP	5/06/2020 to 09/06/2020
85.	Mr. J. M. Khade	Electric Research Trends in manufacturing	21/12/2020 to 26/12/2020
		FDP on Renewable Energy	14/12/2020 to 18/12/2020
86.	Mr. Sanket Bhosale	Basics of Python Programming	25/6/2020 to 4/7/2020
		Online international workshop on 'German Language for Beginners level A1'	29/6/2020 to 4/7/2020
87.	Dr P T Nitnaware	Recent Trends in Thermo-Fluids	22 Feb - 26 Feb 2021
88.	Dr. R S Hingole	one week FDP on Design Thinking Approches in Engineering	22-26 June 2020
		One Week FDP on Research in Energy Technologies	6-11 July 2020
89.	Dr. Vinay Kulkarni	FDP on Block Chain	8-9-2020 to 12-9-2020
		FDP on Internet of Things	5-10-2020 to 9-10-2020
90.	Dr. T Dey	FDP on Application of Finite Element Analysis and CFD using Ansys	13-17June 2020
		e-FDP Waste to Bioenergy	28 June -4 July 2020
		Five days online workshop on "recent trends in Thermo-fluids"	22-26 February 2021
91.	Mr. Vinayak Bembrekar	One Week FDP in Advances in Manufacturing and Materials	20-24 April 2021
92.	Mr. Arun Kumar Battu	One week FDP on "Futuristic Technologiesin Mechanical Engineering"	5th to 9th June 2020
93.	Mr. S V Thakur	One week online FDP on Open Source Field Operation and maniplation	1-6 June 2020
		Course on Outcome based pedagogic principles for effective teaching	Aug-Sep 2020

94.	Mrs. Swati Dhamale	AICTE Sponsored 6 days STTP on Cybersecurity & Blockchain Technology	11/01/2021-16/01/2021
95.	Mr. Vivek Diware	STTP on Production Engineering	10 -12 June 2020
96.	Mr. V V Phule	One week Online Short-Term Training Program on "Manufacturing Practices and Industry 4.0"	from 8th 12th June, 2020
		Workshop on Research Methodlogy	10-15 May 2021
97.	Mr. Vikram Kulkarni	Workshop on Emerging Trends in Thermal Engineering	3-7 May 2021
		Refresher Course on Thermal Engineering	22-28-April 2021
98.	Mr. Laxman Khose	FDP on Advance Research Mecthodology and Innovative Teaching Pedagogy"	8-13 Jue 2020
		STTP on Cybersecurity & Blockchain Technology"	11-21 Jan 2021
99.	Mr. Rachit Roshan	STTP on Artificial Intelligence & Machine Learning	5-10 May 2021
100.	Mr. Sagar Wangdare	AICTE Approved Orientation Program on Innovative Teaching & Best Practices	23 Feb to 1st March 2021
101.	Dr. S S Sarnobat	One Week FDP on Product Design & Novalty	6-10 June 2020
102.	Dr. V S Jatti	One Week FDP on disruptive Technology of Industry 4.0	30.05.2020 to 03.06.2020
103.	Ms. Bhagyashree Mahadev Kole	One week FDP on Research Directions in Science & Technology	17-21 May 2021
		STTP on Datascience with Python	10-14 May 2021
104.	Dr. S. K. Babar	Nanotechnology Science and Applications	14-19 Dec.2020
105.	Dr. Mohan A. Sutar	Supercapacitor, Solar Cell and Solar Thermal Technology	11-14 May 2020
106.	Dr. Mrs. Manisha Tanwar	FDP on "Health & Happiness"	11 Nov. to 13 Nov. 2021
		"Implementation of National Education Policy (NEP) 2020"	18th March 2020
107.	Mr. S. G. Yeolekar	Virtual Lab Out research workshop	27 June 2020
108.	Dr. Mrs. Pranjali Shinde	FDP on "Health & Happiness"	11 Nov. to 13 Nov. 2021
109.	Mrs. Vrushali Sushant Patil	Applications of Mathematics in Engineering Filed	20-22 Oct 2021
110.	Mr. Santosh Damkondwar	Course on "Python Basics for Data Science"	17th April, 2021

111.	Deepali Dubal	International Symposium for Research, Innovation & Enterpreneurship	15 May to 17 May 2020
112.	Mrs. Swati S. Jadhav	Workshop on IPR and Plagiarism	2/5/2021
113.	Mr. Narendra Sarbande	Application of algebra and analysis	14 June 2020
114.	Mr. Ganesh Gosavi	Modelling and Simul;atio n Tools for Research	30-8-2021 to 3-9-2021
		Applications of Mathematics in Engineering Field	20-22 Oct. 2021
115.	Mr. Ramesh Sul	Attendend international conference on Multifunctional electronic materials and processing	8th -10th March,2021
116.	Mrs. Neeta P. Katariya	Applied and Computational Mathematics	23-29 Aug.2020
117.	Mrs. Pramila Karale Patil	Machine Learning using python	27-29 jan 2021
118.	Mrs. Sabrina Kazi	Intyernational Symposium on Law and Peace	14-17 Dec.2021
119.	Mrs. Komal Desai	FDP on Modern Trends in ELectical Drives	19-05-2020 to 23-05-2020
120.	Mr. P. K.Gore	Advance teaching tools ,techniques and methodology for outcome based education	from 1 june 2020
121.	Mrs. Hnnie Williams	Smaal wind terbine design and development	28-4-2021 to 4-5-2021
122.	Mrs. Dhanashree Ajay Phalke	International webinar on "Introduction of AI Computer Vision and Robotics"	01-06-20
123.	Mrs. Vaishali Kolhe	"Cloud Computing using AWS	03-06-2020 - 07-06-2020
		Virtual Labs Outreach Workshop	27-06-20
		Object Oriented Programming	09-07-20
124.	Soudamini Somvanshi	One Day Online FDP on CG and OOP Lab by SPPU	11-07-20
		One week FDP by Spoken Tutorial on Python 3.4.3	01-06-2020 - 05-06-2020
125.	Mrs. Deepali Gohil	Data Science and Information Security	22-06-2020 - 26-06-2020
		"Impact of IEEE Standards on IoT and 5G"	29-06-20
126.	Mrs.Dipalee Divakar Rane	Project Guidance :From selection to Implementation	01-06-2020 - 14-06-2020
		"Cloud Computing using AWS	03-06-2020 - 07-06-2020
127.	Mrs. Shanthi K Guru	six days FDP on ML	1/11/2021 TO 1/16/2021

128.	Mrs. Nilam Patil	International Webinar on Education 4.0	05-06-2020 -11-06-2020
		5 Days FDP on Cloud computing using AWS	03-06-2020 - 07-06-2020
		Virtual Labs Outreach Workshop	27-06-20
129.	Ms.Vishakha A. Metre	One Day Online FDP on CG and OOP Lab by SPPU	11-07-20
		One Day Online FDP on DM by SPPU	13-07-20
130.	Snehal Sarangi	5 Days FDP on Cyber security	7/12-2021 to 11/12/2021
131.	Mr.Suraj Kurde	5 Day FDP ON Data Science	16/09/2020 to 20/09/2020
		STTP On Cyber Security & Blockchain Technology	23/10/2020 to 28/10/2020
132.	Vrushali Uttarwar	STTP On Cyber Security & Blockchain Technology	23/10/2020 to 28/10/2020
		1 Week Workshop On "Core Python"	28 jun to 4 july 2020
133.	Bhagyashre Tingre	Faculty Development Program	Aug to Sept 2020
134.	Soniya Bastwade	Virtual Labs Outreach Workshop	27-06-20
135.	Pramod Deshmukh	FDP ON Data Science	09/06/2020 to 13/06/2020
136.	Ms.Pooja M.Deshpande	Virtual Labs Outreach Workshop	27-06-20
137.	Aditi Kalia	Virtual Labs Outreach Workshop	27-06-20
138.	Mrs.Pallavi Ghaste	Virtual Labs Outreach Workshop	27-06-20
139.	Mr.Rahul Ghotkar	Virtual Labs Outreach Workshop	27-06-20
140.	Dr. V.G.Kottawar	Penetration Testing	17 Jan-22 Jan 2020
		Contemporary AI application in Health care	7 Dec-12 Dec 2020
		Contemporary AI: Idea to Product	21 Dec- 26 Dec 2020
141.	Mrs.R N Dandavate	Introduction to Computer	3/07/2020-9/07/2020
142.	Mrs. Priti Kolte	Introduction to Computer	3/07/2020-9/07/2020
143.	Mrs. Bharti Ghatage	Introduction to Computer	3/07/2020-9/07/2020
144.	Mrs. Shalaka Gurav	Introduction to Computer	3/07/2020-9/07/2020
		Skill Development for Technical Supporting Staff"	28th and 29th Jan 2021
145.	Mrs. N. S. Suryanshi	Introduction to Computer	3/07/2020-9/07/2020
146.	Mr. Harish Surana	Advanced Tools and Concepts for Lab Development and Maintenance	1st- 5th June 2020

13. Research and Development

A. List of Publications

i.   Books Publication

Sr. No.	Name of the teacher	Title of the book/chapters published	Date and Year of publication	ISBN number of the proceeding	Name of the publisher
1	Dr. K D Bamane, Mrs. Amita Jajoo	Software Engineering	2021	978-93-5451-570-5	Nirali Prakashan
2	Mrs. Sapna Kolambe,Dr. K D Bamane	Software Project Management	2021	978-93-5451-080-9	Nirali Prakashan
3	Mrs. Amita Jajoo	Software Engineering	2021	978-93-90596-87-4	Nirali Prakashan
4	Dr. Sanjay K. Babar	Engineering Physics	2021	978-93-89180930	Technical Publication
5	Mrs. Deeapali Dubal,Mr. Santosh Damkondwar,Mr. Ramesh Sul,Dr. Manisha Tanwer,Dr. Pranjali J. Shinde	Engineering Chemistry	2021	978-93-89406-70-2	Nirali Prakashan
6	Mr. Deepak Bhagwat	Basic Electrical Engineering	2021	978-93-89180-77-0	Technical Publication
7	Mr. Deepak Bhagwat	Electric Circuits-I	2021	978-93-33221-61-0	Technical Publication
8	Mr. Deepak Bhagwat	Electric Circuits-II	2021	978-93-90041-92-3	Technical Publication
9	Dr A B More	Concrete Technology	2021	NA	NA
10	Mrs S V Pataskar	Project Management and Engineering Economics	2021	NA	Nirali Prakashan
11	Mrs S V Pataskar	Professional Practices	2021	NA	Nirali Prakashan
12	Dr N S Jain	Textbook of Engineering Geology	2021	NA	Nirali Prakashan
13	Dr. Vijaykumar S Jatti	Design Optimization of Close-Fitting Free-Standing Acoustic Enclosure Using Jaya Algorithm	2021	978-100-314-3505	CRC Press

14	Dr. Vijaykumar S Jatti	Semi-Empirical Modeling and Jaya Optimization of White Layer Thickness during Electrical Discharge Machining of NiTi Alloy	2021	978-100-314-3505	CRC Press
15	Dr. Vijaykumar S Jatti	Adaptive Neuro Fuzzy Inference System to Predict Material Removal Rate during Cryo-Treated Electric Discharge Machining	2021	978-100-314-3505	CRC Press
16	DR.A.B.More	Concrete Technology	Feb 2021	978-93-90450-63-3	Technical Publication
17	Dr.N.S.Jain	Engineering Geology	2021	978-93-90225-65-1	Nirali Prakashan
18	Dr. Vijaykumar S Jatti	Finite Element Methods	2021	9391472214	Tech Neo
19	Ankita Jamdade	Content Based Near duplicate video detection using density based clustering OR-DBSCAN		DOI: 10.1007/978-981-33-4073-2_44	NA

ii.   Journal Publication

Sr. No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	TnP vision automation and anlysis of campus placements in colleges	Dr. Vinayak Kottawar	International Conference on Computer, Communication and Signal Processing	2021	978-1-6654-3277-1
2	AlgoAssit- Algorithm visualizer and coding platform for remote classroom learning	Dr. Vinayak Kottawar	International Conference on Computer, Communication and Signal Processing	2021	978-1-6654-3277-1

3	Scene text recognition using part based tree structure models and liguistic knowledge	Dr. Vinayak Kottawar	International Conference on Computer, Communication and Signal Processing	2021	2319-7064
4	Celestial Learning -Secure e learning platform using node express	Dr. Vinayak Kottawar	International Conference on Computer, Communication and Signal Processing	2021	978-1-6654-3277-1
5	Depth Study of Kinect Sensor	Bhagyashree A. Tingare	Journal of Emerging Technologies and Innovative Research	2021	2349-5162
6	Comparative Study of Various 3D Depth Cameras	Bhagyashree A. Tingare	International Conference on Electronics, Communication, Information Technology and Management	2021	978-81-952307-0-9
7	Kinect-Based Virtual Dressing Room: A Study	Bhagyashree A. Tingare	Webology	2021	1735-188X
8	Waste Monitoring System Using Arduino	MR. P.S. CHOPDE,	International Journal of Innovative Research in Computer and Communication Engineering	2021	2320-9801
9	InfiLearn : An Web Based Free Learning Platform	PRATIK S. CHOPADE	International Journal of Innovative Research in Computer and Communication Engineering	2021	2320-9801
10	Real-world emission and impact of three wheeler electric auto-rickshaw in India	Bagul T.R.;Kumar R.;Kumar R.	Environmental Science and Pollution Research	2021	1876-1100

11	Waste water treatment using Phytorid Technology	Siddhant A. Baragale, Dr. Sachin J. Mane, Prof. shraddhakath alkar	GIS SCIENCE JOURNAL	2021	1869-9391
12	Bioremediation of industrial wastewater: a review	Ronny J. Dsouza, Dr Sachin J. Mane, Yugandhara Ingale	GIS SCIENCE JOURNAL	2021	1869-9391
13	Prediction of air pollutants concentration by	Rutuja Kasbe , Dr Sachin J. Mane, A.B More	GIS SCIENCE JOURNAL	2021	1869-9391
14	Bioremediation Rubber Industrial Wastewater by Using Escherichia Coli and Pseudomonas Aeruginosa Bacteria	Ronny J. Dsouza, Dr Sachin J. Mane, Yugandhara Ingale	Journal of Chengdu University of Technology	2021	1671-9727
15	Experimental study on Refinement of Waste Water by Phytoremediation Process	Ms. Megha Dahiwale, Dr. Sachin Mane , Pooja Kumbhare	GIS SCIENCE JOURNAL	2021	1869-9391
16	Case Study of Institutional Building through Autodesk Insight 360	Shubham Pachagade, Dr. Sachin J. Mane Shraddha Kathalkar	GIS SCIENCE JOURNAL	2021	1869-9391
17	Comparison between manual and software design of a building	Bharati Misal Anirudh Singh, Aniket Bhosale, Shantanu M. Patti , Shekhar Chikhalchan de, Mahesh V. Tatikonda	International Research Journal of Engineering and Technology (IRJET)	2021	2395-0056

18	Mechanical properties of concrete containing waste tyres as replacement of coarse aggregates	Rahul Jaiswal1, Rohit Bhoi2, Ajay Hake3, Sandeep Rathod4, Mahesh V Tatikonda5	International Research Journal of Engineering and Technology (IRJET)	2021	2395-0056
19	Seismic appraisment of building with silt floor using composite column	Abhishek Chaudhari, P D Dhake, Sudhanshu Pathak, Vaishnavi Battul	Advances in Construction materials and structures	2021	NA
20	Preparation & Analysis of Claims on Infrastructural Projects: A review	Smita Pataskar, Pranav Khandekar	GIS Science Journal	2021	ISSN: 1869-9391
21	Quality Management in Construction Industry by using Building Information Modeling (BIM): A Review	Smita Pataskar, Rohit Holkar	GIS Science Journal	2021	ISSN: 1869-9391
22	Analysis, Design and Estimation of G+4 Residential Building	Prof. Aradhana Chavan, Kranti Pawar, Anagha Ahire, Hritik Rathod, Janmejay More	International Journal of Engineering Research & Technology (IJERT)	2021	2278-0181
23	Use of Metal Scrap FIBRES as Aggregates in Highway Construction.	Subhashini Ramteke,Siddhesh Koshire,Sumit Dafe,Shubham Kachare,Mohit Jamwal	International Journal of Engineering Research and Applications	2021	2248-9622

24	Life Cycle Cost Assessment of Autoclaved Aerated Concrete Blocks	Avadhut Kulkarni, Prachi Hiralkar, Yogini Chinchansure, Sneha Sarwade, Pranav Birajdar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2021	2321-9653
25	Design of Sewer System for Holkarwadi Village by using SewerGEMS Software	Avadhut Kulkarni, Sweety Wankhede, Shivani Takle, Rajashri Chaudhary, Priyanaka Thakar	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2021	2321-9653
26	Influence of Torsional Irregularity on Tri-directional Floor Response Spectra used in Industrial Building	Landge, M. V., and Ingle, R. K	Innovative infrastructure solutions	2021	2364-4176
27	Design of sewer system for village using SewerGEMS	Abhishek pawar, Yogesh Patil, Prof. Sachin Mane, Satyajeet Patil, Nikhil Toche, Yugandhara Ingale	International Research Journal of Engineering and Technology (IRJET)	2021	2395-0056
28	Banana By- Product: A Next Innovation for Value added Products Development	Dr. Ashok B More, Yugandhara Ingale, Shrutika Sawant, Kajal Masal, Sukeshnee Sontakke, Snehal Sawant		2021	2349-3585

29	. Practice of Steel Fragment Fibres as a aggregate in public road construction	Hardik Mandwe, Rajvardhan Patil	International Journal of Research and Analytical Reviews	2021	2349-5138
30	Improvement in construction contract management to reduce construction waste	Mrunalini Shewale, Shubham Chandgude	Design Engineering	2021	0011-9342
31	An Efficient Data Group Sharing and Data Auditing with Multi-Owner in Cloud Computing	Pratiksha Nagargoje, Vaishali Kolhe	International Journal of Current Engineering and Technology	2021	2347 – 5161
32	An Intelligent and Lightweight Intrusion Detection Mechanism for RPL Routing Attacks by Applying Automata Model	Deepali Gothawal, Dr. S.V.Nagaraj	International Journal of Current Engineering and Technology	2021	2347 – 5161
33	Identification of Paddy Leaf Diseases using Evolutionary and Machine Learning Methods	Nilam Sachin Patil, Dr. E Kannan	Turkish Journal of Computer and Mathematics Education	2021	1309-4653
34	Trust aware routing using sunflower sine cosine-based stacked autoencoder approach for EEG signal classification in WSN	Mrs Shanti Guru	Journal of High Speed Networks	2021	NA
35	Food Recognition and Calories Estimation using Deep Neural Network (DNN)	Dr P Malathi , Rajani Jogdand	International Journal For Research & Development In Technology	2020	2349-3585
36	Cyber Physical System Security By Splunk	Dr P Malathi , Kundankumar Rameshwar Saraf	i-manager's Journal on Communication Engineering and Systems,	2020	NA
37	Adaptive Headlamp and Side Mirror using Linear Regression based on Raspberry Pi3	Usha Jadhav , Apurva Khokle	International Journal For Research & Development In Technology	2020	2349-3585

38	LabVIEW Application to Characteristize Low Cost Solar Cell based on Solution Processed Quantum Dots and Nanocrystals	Usha Jadhav ,Apurva Khokle	International Journal of Engineering Research and Technology	2020	2278-0181
39	Chatbot using Sentiment Analysis	Dr.Manish Sharma ,Usha Jadhav	International Journal For Research & Development In Technology	2020	NA
40	Wavelet Neural Network Based Moving Object Tracking for Wireless Sensor Network	V M Bagal, Dr Manish Sharma	International Journal of Advanced Science and Technology	2020	2005-4238
41	Actor-Critic Wavelet Neural Network based Scheduler Technique for LTE-Advanced	Manish Sharma, Hashim Ali, Santosh Pawar	International Journal of Recent Technology and Engineering (IJRTE)	2020	2277-3878,
42	Wavelet Neural Network Based Moving Object Tracking for Wireless Sensor Network	V L Bagal , Manish Sharma	International Journal of Advanced Science and Technology	2020	2075:38:00
43	Survey of LoRa Technology in Agriculture IoT	Dr. D. G. Khairnar , Trupti Wagh	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2020	2321-9653;
44	Smart Agriculture using LoRaWan and ThingSpeak Cloud Platform	Dr.D.G. Khairnar, Trupti Wagh	Research Journal of Engineering and Technology (IRJET)	2020	2395-0056
45	Intelligent Spectrum Allocation for LTE advanced Network	Manisha Rajput ,Vijay Bacchav	International Journal For Research & Development in Technology	2020	2349-3585
46	Optimal Cluster Head Selection and Clustering for WSN using PSO	Aparna Shinde, Rajankumar S. Bichkar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	2278-3075

47	Analysis of secure cloud framework for mobile banking	Susheel George Joseph, Swati Subhash Jadhav, Smita Sharma, Amarjeet Poonia, Anurag Shrivastava, S Hemavathi	2021 International Conference on Technological Advancements and Innovations (ICTAI)	2021	978-1-6654-2087-7
48	Robust sliding mode control of uncertain nonlinear systems with chattering alleviating scheme	Bhausaheb B. Musmade and Balasaheb M. Patre	International Journal of Modern Physics B	2021	1793-6578
49	Photo-enhanced field-emission behavior of CdSSe microflowers	B B Musmade et al.	International Journal of Modern Physics B	2021	1793-6578
50	Fundamentals of Electric Vehicle Components Applying Renewable Source Energy	Vedant Utikar, Arti Utikar	IRJASH 2021	2021	2582-4376
51	Sound Source Localization in 3D using Asymmetrical Positioned and Skew Aligned Two-Array Microphone - Experimentation	Vipin Vibhute; B. Suryakanth; Yogesh Angal	2021 6th International Conference for Convergence in Technology (I2CT)	2021	NA
52	Empowers and elevates farmers and protect important natural assets in agriculture sector using AI and IoT	Dr. Preeti Patil	International Journal of Scientific and Technology Research	2021	2277-8616
53	Application of Modified Ensemble Technique Using Weights Optimization For Crop Yield Prediction	Dr. Preeti Patil	GIS SCIENCE JOURNAL	2021	1869-9391
54	A Multidimensional Anonymization method to protect online released user's data from different types of attacks and validation of released large data-set in public domain	Dr. A. J. Patankar	International Journal of Advanced Science and Technology	2021	2005-4238
55	Achieving Quality of Anonymity and Data Privacy on released data of users by avoiding Data breaching using multidimensional k-Anonymity approach on large datasets	Dr. A. J. Patankar	International Journal of Emerging Trends in Engineering Research	2021	2347 – 3983

			International		
56	Driver Drowsiness Detection System by Measuring EAR and MAR	Dr. A. J. Patankar	International Research Journal of Engineering and Technology (IRJET)	2021	2395-0072
57	GoSafe: A Safety and Real-time Emergency mediator System between Police officials and Citizens of India	Dr. A. J. Patankar	International Research Journal of Engineering and Technology (IRJET)	2021	2395-0072
58	Challenges in Data Migration from SQL to NoSQL	Dr. K.D. Bamane	International Journal of All Research Education & Scientific Methods	2021	2455-6211
59	Development of Multisource Cloud Logs Forensic with encase Tool for performing Lock Technique using Deep Analysis and Reporting	Dr. K.D. Bamane	Industrial Credit and Investment Corporation of India	2021	2277-8616
60	Convolutional Neural Network (Cnn, Or Convnet) Based Method For Automatic Detection Of Diabetic Eye Disease Using Thermal Images	Dr. K.D. Bamane	International Journal of All Research Education & Scientific Methods	2021	2348-1269
61	Healthcare system for covid 19 using android	Dr. K.D. Bamane	International Journal of All Research Education & Scientific Methods	2021	2395-4396
62	Secure Chatting Application using NTRU Asymmetric Cryptography Algorithm	Dr. K.D. Bamane	International Journal of Advances in Engineering and Management	2021	2395-5252
63	Puc Detection System Using Machine Learning	Mrs. Aarti Gaikawad	International Research Journal of Engineering and Technology	2021	2395-0056
64	IOT Based Plant Disease Detection using ANDRUINO	Mrs. Aarti Gaikawad	International Journal of Research and Technology	2021	2321-7529

65	Vehicle number plate detection, identification and monitoring of vehicle for a criminal record	Mrs. Aarti Gaikawad	International Research Journal of Engineering and Technology	2021	395-0056
66	Postal Mail sorting using Handwritten Digit Recognition	Mrs. Aarti Gaikawad	International Journal of Research and Technology	2021	2321-7529
67	Machine Learning applied to cervical Cancer Data	Mrs. Aarti Gaikawad	International Journal of Advance Research Ideas and Innovation in Technology	2021	2454-132X
68	Design Of Child Security System	Mrs. Amita Jajoo	International Journal for Research and Development in Technology	2021	2349-3585
69	Next Generation Virtual Mall	Mrs. Amita Jajoo	International Journal of Advances in Engineering and Management (IJAEM)	2021	2395-5252
70	Stress detection using machine learning algorithm	Mrs. Amita Jajoo	International Journal of Advance Research, Ideas and Innovations in Technology	2021	2454-132X
71	Implementation of fog computing with three layers of privacy	Mrs. Madhuri Gurale	Journal of Emerging Technologies and Innovation Research	2021	2349-5162
72	Performance Analysis of SVM Classification Model for Diagnosis of Alzheimer's Disease	Mrs. Madhuri Gurale	International Journal of Computer Applications	2021	0975-8887
73	Automatic Fraud Detection In Electricity Bill And Detailed Analysis Of Electricity Consumption	Mrs.Rajashree R. S.	International Research Journal of Engineering and Technology	2021	2395 0072
74	Performance Analysis of SVM Classification Model for Diagnosis of Alzheimer's Disease	Mrs.Rajashree R. S.	International Journal of Computer Applications	2021	0975-8887

75	Performance Analysis of SVM Classification Model for Diagnosis of Alzheimer's Disease	Mr. Gajanan Babhulkar	International Journal of Computer Applications	2021	0975-8887
76	Secure Chatting Application using NTRU Asymmetric Cryptography Algorithm	Mrs.Dipali Patil	International Journal of Advances in Engineering and Management	2021	2395-5252
77	Step by Step Implementation of Machine Learning Algorithms For Stock Price Prediction	Mrs.Priyanka Gupta	International Journal of Advances in Science Communication and Technology	2021	.:2582-5209
78	ML Based Strock Prediction Method for Accurate Future Prediction of Stock Market	Dr. Abhijit Patankar	International Journal of Advances in Science Communication and Technology	2021	.:2582-5210
79	Use of Supervised Machine Learning Algorithms for State Wise Covid 19 forecasting	Dr.Abhijit Patankar	International Journal of Advances in Science Communication and Technology	2021	.:2582-5211
80	Medbot : Artificial Intelligence Based interactive chatbot for assisting with telephonic health checkup service post Covid-19	Dr.Abhijit Patankar	International Journal of Advances in Science Communication and Technology	2021	.:2582-5212
81	Smart CCTV Surveillance System	Dr.Abhijit Patankar	International Journal of Research and Technology Analytical Reviews	2021	.:2582-5213
82	Text Analysis, Processing of Hindi and Macythi Language Text to Speech Conversion System	Dr.Abhijit Patankar	International Journal of Research and Technology Analytical Reviews	2021	.:2582-5214
83	Predicting The Potential Students In Private	Dr.Abhijit Patankar	International Journal of Research and Technology Analytical	2021	.:2582-5215

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84	DRIVER AWARENESS SYSTEM	Dr. Kalyan Bamane	International Journal of Research and Technology Analytical Reviews	2021	.:2582-5216
85	Smart Agro Tech System Using IOT	Dr. Kalyan Bamane	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
86	CROP YIELD PREDICTION	Dr. Kalyan Bamane	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
87	Use of Modern Web Technology to create effective Online Learning	Prof. Aarti Gaikwad	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
88	Application for Face Mask Detection Using Al	Prof. Aarti Gaikwad	International Research Journal of Engineering and Technolody	2021	. 2395-0071
89	Real Time Face Mask Detection To Enssure COVID -19 Precautionary Measures	Dr.Abhijit Patankar	International Research Journal of Engineering and Technolody	2021	. 2395-0071
90	Speech Synthesis	Prof. Amita Jajoo	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
91	E-VOTING USING BLOCKCHAIN	Prof. Amita Jajoo	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269

92	Protection for Women using IOT smart Device with location and parameter	Prof. Amita Jajoo	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
93	College Information System Using Chat-Bot5	Prof. Himani Patel	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
94	College Information System Using Chat-Bot	Prof. Himani Patel	International Journal of Innovative Research in Computer and Communication Enginering	2021	. 2320-9808
95	Secure Chatting Application using NTRU Asymmetric Cryptography Algorithm	Mrs. Sapana Kolambe	International Journal of Advances in Engineering and Management (IJAEM)	2021	. 2395-5252
96	convolutional Neural Network (CNN, or ConvNet) Based Method for Automatic Detection of Diabetic Eye Disease using Thermal Images	Dr. Kalyan Bamane	International Journal of Research and Technology Analytical Reviews	2021	. 2348-1269
97	Devlopment Of Multisource cloud logs forensic with encase tool for performing lock technique using deep analysis and reporting	Dr. Kalyan Bamane	International Journal of Research and Technology Analytical Reviews	2021	. 2395-4396
98	Healthcare System for Covid-19 using Android	Dr. Kalyan Bamane	International Journal of Research and Technology Analytical Reviews	2021	2348-1269
99	Distrubuted Storage System using IPFS	Prof. Amita Jajoo	International Journal of Research and Technology Analytical Reviews	2021	2348-1269

100	SARCASM DETECTION USING TWITTER ANALYSIS	Prof. Amita Jajoo	International Journal of Research and Technology Analytical Reviews	2021	. 2395-4396
101	Gosafe: A Safety and Real-time Emergency mediator System between Police officials and Citizens of India	Dr.Abhijit Patankar	International Research Journal of Engineering and Technolody	2021	. 2395-0096
102	Influence of Process Parameters on the Microstructural Characteristics and Mechanical Properties of Recast Layer Thickness Coating on Die Steel Machined Surface after Electrical Discharge Machining	N Phan, P Dong, V S Jatti, N Tam, N Minh, N Ly, B Tai, D Truong	International Journal of Engineering	2021	1735-9244
103	Implementation of Jaya algorithm for process parameter optimization during EDM processing of NiTi 60alloy	N Phan, P Dong, V S Jatti, N Tam, N Minh, N Ly, B Tai, D Truong	Materials Today: Proceedings	2021	2214-7853
104	Investigation of electric discharge machining processes parameters on material removal rate, tool wear rate and surface roughness during machining of EN19	Mahendra U Gaikwad, A Krishnamoorthy, Vijaykumar S Jatti	Materials Today: Proceedings	2021	2214-7853
105	Investigating the influence of electrical discharge machining process parameter on fatigue strength during machining of titanium grade-2	Vaibhav S Gaikwad, Vijaykumar S Jatti, Satish S Chinchanikar, Keshav N Nandurkar	Materials Today: Proceedings	2021	2214-7853
106	Machine Learning Based Predictive Modeling of Ball Nose End Milling using Exogeneous Autoregressive Moving Average Approach	Mahendra U Gaikwad, A Krishnamoorthy, Vijaykumar S Jatti	IEEE 12th International Conference on Mechanical and Intelligent Manufacturing Technologies (ICMIMT)	2021	NA

107	Achieving program outcomes through MIY model ensuring active learning and active engagement in learning	Kulkarni V A, Maneet Kumar, Dr Mrs P Malathi, Wadhai, sahasrabudhe	Journal of Engineering Education Transformations	2021	23492473
108	Identification and Elimination of Unknown Inclusion Defect in Cylinder Head using SEM-EDS Analysis	Kulkarni, V., Dhanvijay, M., Malathi, P., Wadhai, V.M., Sahasrabudhe, S.S.	Recent Developments on Materials, Reliability, Safety and Environmental issues – 2021 NIT Jalandhar	2021	NA
109	Performance And Emission Characteristics Of CI Engine By Using Aluminum Nano Oxides With B40 Blended Bio Diesel In Diesel Fuel	Maneetkumar R. Dhanvijay, Vinay A. Kulkarni and Rushikesh Kumbhar	Advanced Technologies for Societal Applications – Techno Societal 2020	2021	978-3-030-69925-3
110	Performance Enhancement of Multi-cylinder Four Stroke SI Engine unde the Efeect of Magnetic Field	Mr. Swapnil Vijay Ghogardare, Dr. Sanjeev Reddy K Hudgikar	Advanced Technologies for Societal Applications – Techno Societal 2020	2021	978-3-030-69925-3
111	Effectiveness of CO-PSO formulation and attainment with T-shape engineer for alighning studnets learning outcomes with alumni profiles	Kulkarni V A, Maneet Kumar, Dhanvijay, Bewoor, P Malathi	Journal of Engineering Education Transformations	2021	2394 - 1707
112	Parametric sensitivity analysis of split injection coupled varying methanol induced reactivity strategies on the exergy efficiency enhancement and emission reductions objectives in a biodiesel fuelled CI engine	Dipankar Kakati*, Srijit Biswas, Rahul Banerjee	Energy	2021	1873-6785
113	Leveraging hydrogen as the low reactive component in the optimization of the PPCI-RCCI transition regimes in an existing diesel engine under varying injection phasing and reactivity stratification strategies	Amitav Chakraborty, Srijit Biswas*, Dipankar Kakati, Rahul Banerjee	Energy	2021	1873-6786

114	Assessing the competency of a semi-parametric expert system in the realms of response characterization uncertainty in premixed methanol dual fuel diesel combustion strategies: In critique to RSM	Dipankar Kakati *,1, Rahul Banerjee *,2	Expert Systems With Applications	2021	1873-6793
115	Development and validation of an artificial intelligence platform for characterization of the exergy-emission-stability profiles of the PPCI-RCCI regimes in a diesel-methanol operation under varying injection phasing strategies: A Gene Expression Programming approach	Dipankar Kakati a, Sumit Roy b, Rahul Banerjee a,*	Fuel	2021	0016-2361
116	The relative influence of surface metallurgy and self-magnetization induced by different manufacturing processes on surface integrity of Co Cr alloy using PCM	**Shrikant Thorat**, Mudigonda Sadaiah	Materials Characterization	2020	1873-4189
117	Effect of metallurgical parameters induced manufacturing processes on photochemical Co-Cr L605 alloy	**Shrikant Thorat**, Mudigonda Sadaiah	Procedia CIRP	2020	2212-8271
118	Effect of Different Activated Fluxes on Mechanical Properties of DSS 2205 in Pulsed Tungsten Inert Gas Welding	Dhananjay S Satelkar, Bhagwan F Jogi, **Shrikant B Thorat**	Advances in Additive Manufacturing and Joining	2020	978-981-32-9433-2
119	Parametric Evaluation in Friction Drilling Process: A Review Paper	Azharuddin.K. , **Yogesh.G.Kamble**	International Journal of Creative Research Thoughts (IJCRT	2020	2320-2882
120	A Review on Experimental Analysis of Protective Coating Used During Micro Drilling of PCB	P. S. Patil1 , **Yogesh G. Kamble**	International Journal of Research in Engineering, Science and Management	2020	2581-5792
121	Evolving Technology In Aluminium Forming Process:Hot Form QUENCHING &Cost Economics	**Dr.N.K.kamble**	Design Engineering	2021	e- ISSN:-0011-9342 p-ISSN:-2395-0072
122	GREY-Relational analysis for fluid assisted blank holding system in deep drawing process for Al alloy 1050 by usinga numerical simulation	**Dr.N.K.kamble**	Manufacturing Technology and Management	2021	1741-5195
123	Review On Machining Parameters And Optimization Of Wire EDM Process	**Dr.N.K.kamble**		2020	2395-0072
124	Microstructural Analysis of Post Weld Heat Affected Zone Al Alloy	Mr Jaydeep Khade**,** Vijay Dhembre**,** **Sanket V Bhosale**	International Journal of Innovative research in Science, Engineering, and Technology	2020	2319-8753

Sr. No.	Title	Author	Journal	Year	ISBN/ISSN
125	Analysis Of Process Paramerters By Using Fluid Assisted Blank Holding System [Fab] For The Steel 2062	Dr. N. K. kamble	International Journal of Mechanical Engineering Research (IJMER)	2020	NA
126	A Case Study on Importance of Human Physiological Parameters Measurements in Human factor	Pradnesh Padave	International Journal of Advanced Research in Education and Technology	2021	2394 – 2975
127	Electro deposited Cobalt- Nickel Oxide (Co-Ni) Electrode for Supercapacitor	A.S. Deosthali, M. A. Sutar, P. B. Belavi, S. G. Kandalkar	High Technology Letters	2021	1006-674
128	Chemical Synthesis of Fe2O3Thin Film Electrode Material for Supercapacitor	Amol. V. Patil , M. A. Sutar , S. V. Sondur, S. G. Kandalkar	High Technology Letters	2021	1006-674
129	Improvement in the Electrochemical Performance of Cobalt-Nickel Oxide Electrode Using Graphene for Supercapacitors	A.S. Deosthali, M. A. Sutar, P. B. Belavi, S. G. Kandalkar	GIS SCIENCE	2021	1869-9391

iii. Conference Publication

Sr. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Date and Year of publication	ISBN number of the proceeding
1	Dr P Malathi	Security Enhancement of Contactless Tachometer-Based Cyber Physical System	NA	Machine Learning Approaches for Urban Computing	2021	eBook ISBN 978-981-16-0935-0 Series E-ISSN 1860-9503
2	Mrs. Shilpa Jagtap	A Novel Approach for Diagnosis of Diabetes Using Iris	Proceedings of National Conference on Relevance of Engineering and	Proceedings of National Conference on Relevance of Engineering and	25-Jul-21	ISBN-13 (15) 978-81-947843-6-4

		Image Processing Technique and Evaluation Parameters	Science for Environment and Society	Science for Environment and Society		
3	Mrs. Shilpa Jagtap	Steganographic Data Hiding in QR Codes	Proceedings of National Conference on Relevance of Engineering and Science for Environment and Society	Proceedings of National Conference on Relevance of Engineering and Science for Environment and Society	25-Jul-21	ISBN-13 (15) 978-81-947843-6-4
4	Dr. Vijaykumar S Jatti	NA	Characterization of Hydroxyapatite-Titanium (HA-Ti) Samples Synthesized from Different Material Composition	Proceedings of the 3rd International Conference on Advanced Technologies for Societal Applications—Volume 2	2020	978-3-030-69925-3
5	Dr. Vijaykumar S Jatti	NA	To Study and Optimize the Effects of Process Parameters on Taper Angle of Stainless Steel by Using Abrasive Water Jet Machining	Proceedings of the 3rd International Conference on Advanced Technologies for Societal Applications—Volume 1	2020	978-3-030-69921-5
6	Dr. B.B. Musmade	Sliding Mode Control Design for Higher-Order Uncertain System	NA	Lecture Notes in Electrical Engineering book series (LNEE,volume 700) Advances in Automation, Signal Processing, Instrumentation, and Control:	2020	DOI: 10.1007/978-981-15-8221-9_45
7	Vipin Vibhute	NA	Sound Source Localization in 3D using Asymmetrical Positioned and Skew Aligned Two Array Microphone –	IEEE 6th International Conference for Convergence in Technology - 6th I2CT 2021	April, 02 – 04, 2021	IEEE Xplore, 978-1-7281-8876-8/21/\$31.00 ©2021 IEEE

			Experimentation			
8	Dr.Mrs.P Malathi	NA	Survey on Multi-Tier heterogeneous Protocol in Wireless Multimedia Sensor Network	IEEE International Conference for Emerging Technology	2020	978-1-7281-6221-8
9	Sunil Payghan	NA	Enhancing the water resistance property of Gypsum	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
10	Ashwini R Patil.Dr.A.B. More	NA	Comparative study of Precast concrete pavement using polypropylene	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
11	Aparna Gaikwad	NA	Experimental analysis bamboo reiforcement	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
12	Pooja Kumbhare	NA	Study on strength properties of concrete (M 50) by replacing partially fine aggregate with waste crushed glass	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
13	Savita Jatti	NA	Effect of metakaolin and steel fidre on mechanical properties of hardened concrete	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
14	Smita Pataskar	NA	Study of SFRC and Designing water tank using Staad-Pro software	Proceedings of International e Conference on Sustainable Development in Concrete	19-21 Aug 2021	978-93-91041-26-7

				Technology		
15	Prital Kalasur	NA	A Dissertation on prestressed concrete post tensioned slab	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
16	Sharmistha Chakraborty	NA	A comparative study of transslucent concrete	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
17	Sneha Sawant	NA	Comparative analysis of conventional slab and voided slab numerical analysis	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
18	DR.A.B.More	NA	Capacity of RC column with RC jackets using FEM	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
19	Ashwini Patil	NA	Prediction of compressive strength of Geopolymer concrete using Artificial Neuron Network	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
20	Mr. Basavraj S. Balpgol,	NA	Efffect of slag Sand as partial Replacement of Crushed Sand in concrete	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
21	Mr. Manoj M. More	NA	Experimental analysis of Deep Beams under Shear using	Proceedings of International e Conference on Sustainable	19-21 Aug 2021	978-93-91041-26-7

			Hybride Fiber Reinforced concrete	Development in Concrete Technology		
22	Dr. Tushar Bagul	NA	Life Cycle & Cost Benefits analysis (LCCA) of Rigid (Concrete) Pavement Using artificial Neural Network	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
23	Ms. Ashwini Patil	NA	Prediction of Comparative Strength of Geopolymer Conctete Using Artificial Neuron Network	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
24	Mr. Mukund Chaugule	NA	Review of Construction and Demolition Wate Contributing Factors Coupled with Reuse & Recycle Strategies for wate Management	Proceedings of International e Conference on Sustainable Development in Concrete Technology	19-21 Aug 2021	978-93-91041-26-7
25	Mohan Kolhe,S.B. jaju,P.M. Diagavane	NA	Smart technologies for energy, environment and sustainable development	Springer Preceding	2020	NA
26	Pradnesh Padave	NA	Experimental analysis of Input Parameters	International Conference on Mechanical Engineering for sustainable development	Dec-20	NA
27	Pradnesh Padave,Dhana jay Mane	NA	Experimental Investigation and analysis of Process Parameters in Laser Beam Machining of aluminium alloy 8011	International Conference on Mechanical Engineering for sustainable development 2020	Feb-20	NA

28	Sachin Jambhale	NA	Optimization of ECM Process Parameters	Proceedings of International e Conference on trends and advances in Mechanical Engineering	Mar-21	NA
29	Dr Vinay Kulkarni	NA	Achieving Program Outcomes through MIY Model ensuring Active Learning and active engagement in Learning	Eighth International conference on Transformation in engineering Education	Jan-21	NA
30	Dr Mrs Malathi Manisha Rajput	NA	Spectrum sharing Technique in 5 G Cellular Network - A Survey	International Conference on Advance computing and communication Technology	May-21	NA
31	Trupti Ghotkar	NA	Enhanced Machine Learning Based Cyber attack Detection for distribution Systems	cPGCON 2021	21	NA
32	Vishakha metre ,Pramod deshmukh	NA	Caloriemeter food Calorie Estimation Using Machine Learning	IEEE Xplore	21	NA
33	Rahul Pawar,Pramo d Deshmukh Vishakha Metre ,Swapnil Ghogardare	NA	Improving Plant Yield by smart Irrigation System using pH and NPK Sensors	Springer Preceding	21	NA
34	Vishakha metre,Sudhir Sawarkar	NA	Research Opportunities for the detection and classification of Plant Leaf Disease	IEEE Xplore	21	doI: 10.1109/GCAT521 82.2021.9587775
35	Vaishali Bajait,N Malarvizhi	NA	Review on Different Approaches for crop Prediction and disease Monitoring Techniques	4th International Conference on Electronics ,communication and aerospace Technology (ICECA)	21	ISBN-13 (15) 978-1-7281-6386-4

| 36 | Ankita Jamdade | Content Based Near duplicate video detection using density based clustering OR- DBSCAN | NA | Springer Nature singapore | 21 | DOI: 10.1007/978-981-33-4073-2_44 |

B.   Patents

Sr. No	Name Of Inventor	Type of IPR (Patent/ Copyright/ Trademark)	Title of The Invention	Published / Granted
1	Devendra Avinash Suryawanshi, Akhilesh Vivek Awate, Siddhi Rajesh Bhandari, Abhishek Dnyanoba Chopane and Tapobrata Dey	Patent	Personal Safety of an Individual through wireless network	Published
2	Dr. Rahulkumar Hingole, Bapurao Marlapalle	Patent	Design and analysis of Tube bulging and Tube Hydro forming process	Published
3	Nilesh Vijay Sabnis, Nilesha Umrao Patil, Dr. Vinay Kulkarni	**Copyright**	Use Of Whatsapp Mobile Application for Conducting Faculty Development Program (FDP)	Published
4	Athira B Kaimal, Vinay Kulkarni	**Copyright**	Whatsapp Based Puzzle Solving and Assessment for Achieving The Learning Outcomes In Whatsapp Based FDP On Outcome Based Education	published
5	Ms. Vishakha A. Metre	Patent	Iavp-Intelligent Business Data: Intelligent Business Data Visualization Using Ai- Based Programming	Published
6	Ms. Vishakha A. Metre	Patent	ISUAV-Woman Security: Intelligent Woman Security Using Streetlight and Auto Run Unmanned Aerial Vehicle Using IOT- Based Technology	Published
7	Patil Preeti Suryakant,Padmavat ChandraprakashShivram,Kulk arni Vaibhav, priyanka shivprasad	Patent	Method and system for managing social distancing	Granted

8	Patil Preeti Suryakant,Padmavat ChandraprakashShivram, Sayyad Shabnam Farook,Kulkarni Vaibhav	Patent	Smart Washroom system	Granted
9	Nilesh Vijay Sabnis, Himani Patel,Nilesha Umrao Patil, Dr. Vinay Kulkarni	Copyright	Use Of Whatsapp Mobile Application for Conducting Faculty Development Program (FDP)	Published
10	Dr. Suja Thangaraj Dr. Vijaya Kumar Gudivada Dr. Ganesh Radhakrishnan M.Angeline Felicia Dr.K.Padmanabhan Dr.S.Anitha 7)D.Rajagopal Dr. S. Saravanan Dr.Abhijit J.Patankar Dr. Brijesh Sathian Dr. T. Bothiraj	Patent	Prevention of cyber-attacks on healthcare organizations using IoT, Cloud Computing and Machine Learning approach	Published
11	Amita Jajoo, V A Kulkarni, Parth Shinde, Aditya Patil, Sapana Kolambe	Copy Rights	attainDI: Complex PO attainment and DI calculations at your fingertips	
12	Mr. B. Sathiyaprasad, Dr.RAJARAM JATOTHU, Dr.M.Dhasaratham, Mr. Varun Kumar Kakar, Mrs. Madhuri Gurale, Dr. Ajay Arya, Mrs. Aarti S. Jadhav Patil, Mr. Y. M. Mahaboobjohn, Mr. Navnath D. Kale, Dr. Gulshan Kumar, Dr. Arun Kumar Pallathadka, Dr. Harikumar Pallathadka	Patent	IoT, AI Based Implementation of smart Surveillance System with Facial Recognition and Image- processing approach	Published
13	Vaishnavi Dadasaheb Vaidya, Rishikesh Vishnudas Mundada, Mayur Rajesh Budhodkar, Kalyan Devappa Bamane	Copy Rights	E-Ticket System For Public Transport	Published
14	Dr. Sourabh Nema, Dr S G Prabhakaran, C Mahavishnu, Anand S, K.Raj Thilak, Dr. Sandip Debnath, Dr Raviprakash Dagdusaheb Thombre, Dr. Abhishek Das, Dr.Abhijit J.Patankar, Dr. Brijesh Sathian,Abhilash. E.S, K Komala Devi	Patent	Iot, Ml, Big Data Based Smart Agriculture For Predicting Water Requirement, Live Temperature And Humidity Monitoring In Agriculture Sector	Published

15	Dr. V. Vaishnavy, Dr.AR.Sivakumaran, Dr.M.Vanitha, Dr. Hrituparna Paul, Dr.M.Saravanan,Dr A Chandra Sekar,S. S. Senthil Kumar,Dr.Abhijit J.Patankar, Shakunthala B S, Dr. Brijesh Sathian, Dr Amol Digambar Pawar	Patent	Automatic Computer vision-based accident detection system through image processing and video surveillance using Deep Learning Algorithms	Published
16	Dr Ashok B More and others (outside dypcoe)	Patent	Water collection and notification intelligent management Technology	**Granted (202010237 7)**
17	Mrs. Arti A. Utikar; Dr. V. A. Kulkarni; Ms. V. V. Yerande	Copyright	WhatsApp based puzzle sloving and assessment for achieving the learning outcome in WhatsApp based FDP on OBE	Published

C. Funded projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investivator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
MODROB on Advanced Wireless Communication and Internet of Things Laboratory	Dr. Mrs. P. Malathi	Electronics & Telecommunication	2019	1318000	2 years	AICTE	Government
Estimation of inter laminar transverse shear stresses in sandwitched structures using a higher order shear and normal shear deformation theory	Dr S M Shiyekar	Civil Engineering	2019	1285000	2years	ISRO	Government
AICTE ISTE sponsored induction/refresher Programme	Dr.Sachin Mane	Civil Engineering	2021	93000	1 year	AICTE	Government

14. Faculty Achievements /Recognition

Sr No	Name of Teacher	Name of Body	Year/ Duration
1.	Dr. Preeti Patil	BoS member- KJSEIT , Computer Engineering, Mumbai	2020-21
2.	Mr. V. S. Vibhute	Subject Chairman	2000
3.	Mr. V. S. Vibhute	SPPU paper setter	2000
4.	Mrs.S.T.Somavanshi	Paper Setter for DA	2020
5.	Mrs.Deepali M.Gohil	Paper Setter for SDM BE ENDSEM	2020
6.	Mrs.Deepali M.Gohil	Paper Setter for ACN ME Subject	2020
7.	Mrs.Dipalee Divakar Rane	Paper Setter for WM ME Subject	2020
8.	Dr. Mrs. P.Malathi	Best Paper award at International Conference on Future Intelligence in Science and Technology	2020
9.	Dr. Mrs. P.Malathi	Best Paper Award at SITSFIST-2020	2020
10.	Dr. Manish Sharma	Reviewer of "IET Control Theory and Applications"	2020
11.	Mrs. Usha Jadhav	Best Paper award International Conference on Future Intelligence in Science and Technology	2020
12.	Dr. Rutuja Deshmukh	Paper Reviewer for IEEE systems journal	2020
13.	Mr.Y.G.Kamble	Review Contribution to the Journal	2020
14.	Mr.P.R.Padave	Reviewer	2020
15.	Mr Rajvard han Patil	Reviewer	2020
16.	Dr. Mohan A. Sutar	Best Paper Presentation Award	2020