



# *Annual Activity Report 2017-18*



## **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

E-mail: [info@dypcoeakurdi.ac.in](mailto:info@dypcoeakurdi.ac.in) | Website : [www.dypcoeakurdi.ac.in](http://www.dypcoeakurdi.ac.in)

Contact: +91-20-27653058, Fax: +91-20-27653057

## **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**

---

Index

Sr. No	Particulars	Page no.
1.	Governing Body (GB)	4
2.	College Development Committee (CDC)	5
3.	Internal Quality Assurance Cell (IQAC)	6
4.	Intake and Enrolment of First Year Students	7
5.	Summary of Graduating Students with percentage students passing	8
6.	Student Co-curricular and Extra Curricular Activities	9
7.	Extension, Outreach Programs & National Service Scheme (NSS) Activities	10
8.	Training and Placement	11
9.	Industry Interaction (MoU)	12
10.	Alumnae Association and Activities	13
11.	Library	14-17
12.	Professional Development Activities for staff	18-28
13.	Research and Development (List of Publications, patents, projects)	29-55
14.	Faculty Achievement /Recognition	59

## 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. V. S. Vibhute	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. Mrs P. Malathi	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)	Member, Nominee, SPPU	Member, Nominee, SPPU

6.	Principal of the College	Dr. B. S. Balapgol	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.	Teachers	Member	Dr. Abhijeet Patankar
5.		Member	Dr. Sachin Mane
6.		Member – Women	Dr.Mrs. Madhuri A Potey
7.	Non-teaching	Member	Mr. Avinash Thorat
8.	Local Members	Member – Education	Mr. B.D. Kotkar
9.		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’	Member – President	Yet to be elected
14.	Council	Member – Secretary	Yet to be elected
15.	Member Secretary	Principal	Dr. B.S. Balapgol

### 3. Internal Quality Assurance Cell (IQAC)

Sr. No.	Name	Designation	Position
1.	Col. S K Joshi (Retd.)	Campus Director	Management Representative
2.	Dr. B.S.Balapgol	Principal	Head of the Institution
3.	Dr. Mrs. P. Malathi	Vice-Principal	Director of the IQAC
4.	Dr. D.A. Bhagwat	Registrar	Administrative office Representative
5.	Dr. Mrs.Neeta Deshpande	HoD Computer Engg	Member
6.	Prof. V.S.Vibhute	Faculty	Member
7.	Dr. Mrs. Alkha Kote (RnD coordinator)	Faculty	Member
8.	Dr. S.K. Babar	Dean Academics	Member
9.	Dr. D.R. Panchagade	Faculty	Member
10.	Mr.Akshay Kokil	Scientist,DRDO	Member
11.	Mr.Dubash Meherzade	Alumni Representative	Member
12.	Mr.Darshan Wale	Industry Expert Representative	Member
13.	Mr.Rajan Shringarpur	Industry Expert Representative	Member
14.	Mr.Shripad Shouche	Employer Representative	Member
15.	Mr.Kamlakar B. Prabhu	Parent Representative	Member

#### 4. Intake and Enrollment of First Year Students

Programme 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	20	72	14
Information Technology (UG)	120	119	12	7	29	48	24	11	2	23	70	13
Electronics & Telecommunication (UG)	120	95	12	7	29	48	24	7	0	20	56	12
Instrumentation Engineering (UG)	60	53	6	3	15	24	12	4	0	14	26	9
Mechanical Engineering (UG) – first shift	120	118	12	7	29	48	24	11	5	20	68	14
Mechanical Engineering (UG) Second Shift	60	39	6	3	15	24	12	6	1	9	18	5
Civil Engineering (UG) – first shift	120	97	12	7	29	48	24	9	3	27	44	14
Civil Engineering (UG) – Second shift	60	48	6	3	15	24	12	8	3	16	14	7
Production Engineering s/w (UG)	60	47	6	3	15	24	12	5	0	16	23	3

## 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	135
2	627261220	Mechanical Engineering (UG) – Second shift	58	52
3	627224510	Computer Engineering (UG)	141	138
4	627224610	Information Technology (UG)	110	105
5	627237210	Electronics & Telecommunication (UG)	121	106
6	627246610	Instrumentation Engineering (UG)	53	52
7	627262610	Production Engineering s/w (UG)	60	60
8	627219110	Civil Engineering(UG) – First shift	138	134
9	627219120	Civil Engineering(UG) – Second shift	55	52
Total			880	834

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

### A. 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	Cyber and Network Security	7 days	13	13
2	Ansys	70	26	26
3	Catia	50	27	27
4	Hypermesh	40	14	14
5	CFD	60	5	5
6	Soft Skills Training	30 Hours	750	750
7	NPTEL Certification	4 Months	106	106
8	NPTEL Certification	6 Months	79	79
9	NPTEL Certification	6 Months	18	18
10	Training on Internal Combustion Engine Basics	3 Days	1	1
11	Supply Chain Design -ELISON	3 Days	1	1

### B. Extra Curricular activities

Sr. No	Name of the award/ medal	Team / Individual	University / State / National / International	Sports / Cultural	Name of the student
1	Firodiya Karandak 18 Best Actor	Team	University Level	Cultural	Jayesh Joshi
2	Firodiya Karandak 18 Best All rounder	Team	University Level	Cultural	Jayesh Joshi
3	First Runner Up in *Shrawan Queen-2018* Personality Contest organized by *Maharashtra Times	Individual	State	Cultural	Shrawani Poman
4	ICON OF PUNE 2017	Individual	University	Cultural	Richa Raj

## 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	Tree Plantation at Water Purification Plant, Nigadi	Instrumentation and Control Engineering, Department	Extension Activity
2	Tree Plantation at Shivane, Tal Maval Dist. Pune	Computer Engineering Students' Association	Extension Activity
3	Workshop on Outcome Based Education	D Y Patil College of Engineering and Technology , Kolhapur	Outreach Activity

## 8. Training and Placement

Sr. No.	Branch	No. of Students	No. of Eligible Students	No. of Students Placed	Higher Studies	Entrepreneurship	Placement % (wrt Intake )	Placement % (wrt Eligibility )
1	Computer	146	121	101	7	0	73.97	83.47
2	IT	116	95	80	7	1	75.86	84.21
3	E&TC	128	100	102	2	1	82.03	102.00
4	Instrumentation	57	47	42	3	1	80.70	89.36
5	Mechanical	222	146	133	22	1	70.27	91.10
6	Production	63	53	43	3	11	90.48	81.13
7	Civil	187	78	58	21	11	48.13	74.36
<b>Total</b>		<b>919</b>	<b>640</b>	<b>559</b>	<b>65</b>	<b>26</b>	<b>71</b>	<b>87.34</b>

## 9. Industry Interaction (MoU)

SrNo.	Name of the MOU Collaboration / linkage	Name of the collaborating agency / institution /industry / corporate house with whom the MOU / collaboration / linkage is made, with contact details	Start date of signing MOU / collaboration / linkage	End date of MOU / collaboration / linkage	List of the actual activities under each MOU
1	Center of Excellence MOU	Elite Softwares Pvt. Ltd.	09-09-2017 Renewal on 24-09-2020	Till date	Provided support for establishing Center of Excellence for Web Development , Guest Lectures, Seminars, and Technical Workshops
2	Expert lecture MOU	Bitware Technologies	07-05-2018	06-05-2020	Guest lecture on IoT and Industry 4.0
3	Placement MOU	Avirat Infotech	07-05-2018	06-05-2021	Internship & Sponsorship Interviews
4	Placement MOU	Itechno Infotech	07-05-2018	06-05-2022	Internship & Sponsorship Interviews

## 10. Alumnae Association and Activities

- Almost 9 Alumni interactions were conducted in order to upskill the students with various industry specific knowledge.
- Workshop on SalesForce Technology is organized with the support of Mr. Chirag Bhirud (Alumni Computer engg 2011) on 8<sup>th</sup> July 2017.
- Expert lecture on “Basic Instrumentation & Calibration” is conducted by Instrumentaion Control Engg on 9/7/2018 wherein Mr. Piyush Nakade (Batch 2017),Automation Engineer , Neologic Engineers Pvt. Ltd was invited as a expert.

## 11. Library

### **Summary of Central Library data for 2017-2018**

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. Inside campus the Library is located at a place that is convenient to students of all branches. 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 wide variety of books, well equipped with modern facilities and resources in the form of books, e-journals, CD-ROMs etc. Open access system is followed hence the Library is truly becoming the knowledge seeker's hub. Library has been continuously enhancing and improving its facilities. Library is actively engaged in broadening the knowledge resources needed for high quality education. The Library homepage will provide electronic access to various e-journals.

<b>SUMMARY OF LIBRARY DETAILS</b>	
Volumes	39353
Titles	14352
E-Books	2015
E-Journals	4747
Magazines	3
Newspapers	12
CDs/DVDs	1929
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	1,83,97,583/-
Total Cost of Furniture	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
<b><u>Civil Engineering Department</u></b>	2063	2227	4315	4698
ME - Construction Management	103		237	
ME -Environmental Engineering	61		146	
<b><u>Computer Engineering Department</u></b>	1631	1813	4934	5594
ME -Computer Engineering	182		660	
<b><u>Information Technology Department</u></b>	625	625	4903	4903
<b><u>Elect.&amp; Telecommunication Department</u></b>	1537	1680	6202	6525
ME -VLSI & Embedded systems	101		212	
ME -Communication Networks	42		111	
<b><u>Instrumentation Engineering Department</u></b>	1601	1601	2081	2081
<b><u>Production Engineering Department</u></b>	435	702	1618	2135
ME – Manufacturing and Automation	267		517	
<b><u>Mechanical Engineering Department</u></b>	2503	2736	6450	7026
ME - Machine Design	201		494	
ME - Heat Power	32		82	
App. Sci. & Others	2968	2968	6382	6382
<b>Total</b>		<b>14352</b>		<b>39353</b>

- **Year wise Books Purchasing Details:**

Year	New Volumes
2017 – 2018	198
Total Amount (INR)	55,226/-

- **Year wise expenditure on E-resources**

Sr.No.	Year	No. of E-Journals	Amount (INR)	Name of the database
1	2017-2018	4598	21,16,807/-	IEEE,JGate,ASCE,ASME,Elsevier-Science Direct, Delnet

- **Print Magazine Addition Details-**

Sr.No.	Year	No. of Print Magazines	Amount (INR)
1	2017-2018	03	1,860/-

- **Available E-resources–**

Sr No.	Publisher	Subject Areas
1	IEEE ASPP + POP (Combo Pack)	Computer Engineering + Computer Science +  Electrical and Electronics Engineering +  Telecommunications and related disciplines
2	Springer	Electrical, Electronics and Computer Science Engineering
3	ASME	Mechanical Engineering
4	ASCE	Civil Engineering
5	ELSEVIER -	Engineering + Computer Science(Electrical + Electronics + Mechanical + Civil & Structural + Aerospace

		+ Biomedical + Industrial & Manufacturing + Ocean Engineering + Computational Mechanics & Safety Risk, Reliability & Quality + Computer Network & Communications, Artificial Intelligence, Computer Science, Computational Theory & Mathematics, Computer Graphics & Computer – Aided Design, Information Systems, Control & System Engg & Software
6	J-GATE	J-GATE engineering and Technology (JET)
7	DELNET	General Engineering and Reference
8	NDL	National Digital Library General Engineering and Reference
9	NPTEL	National Programme for Technology Enhanced Learning

• **Other Activities conducted by central Library during 2017-18**

Sr.No.	Name of the Activity	Date
1.	Organized book exhibition and Library best reader award on “VachanPrerana Din”	14/10/2017

## 12. Professional Development Activities for staff

List of teaching faculty and non-teaching staff participating in Faculty Development Programs (FDP), Short Term Training Program (STTP), Management Development Programs (MDPs) professional development /administrative training programs, Staff Development Program (SDP).

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	Foundation program in ICT for Education	3/08/2017 to 7/09/2017
		Modernization in Industries and Education	18/12/2017 to 22/12/2017
	Dr. D. G. Khairnar	FOW on subject Business Management (TE 2015 Pat.)	14/12/2017 to 15/12/2018
		FDP on Design flow Automation and Testing in VLSI using PERL	27/01/2018
	Mrs. M. M. Karad	Design flow Automation and Testing in VLSI using Perl	27th Jan 2018
		Motivating the motivators for effective teaching learning process	11/07/2018 to 13/07/2018
1.	Mrs. A. S. Shinde	Workshop on Writing Scintific Research Paper	08-Jul-17
		Design flow Automation and Testing in VLSI using Perl	27th Jan 2018
		Recent Trends in WSN and its Applications	12 & 13 Jan 2018
2.	Mrs. Usha Jadhav	TE Subject "Mechatronics" Faculty orientation workshop by SPPU	23rd to 24th June 2017
		Foundation Program in ICT for Education- Part-1	08 March to 12 April 2018
		Foundation Program in ICT for Education- Part 2	3rd May to 31st May 2018
3.	Mrs. Trupti Wagh	Modern Trends in Wireless Communication	23/7/2018 to 28/7/2018
		Outcome Based Education- An Effective Teaching Learning Practice & Assessment	11 June To 16 June 2018
4.	Mrs. Sayali Mane	STTP on " Analog, Digital communication and Wireless Network"	12th to 16 th December 2017
5.	Mrs. Manisha Rajput	Short course on "Game theory & Competitive Strategies for 4G/5G wireless network"	19th to 21 Feb 2018
		Medical Image & Signal Processing	23-Dec-17

6.	Mrs. V. M. Lakshe (Bagal)	Design flow Automation and Testing in VLSI using Perl	27th Jan 2018
		Week FDP on "Outcome Based Education-An Effective Teaching Learning Practice & Assessment"	11 To 16 June 2018
7.	Mr.Yogesh Shirke	1 week FDP on "Image Processing using Raspberry Pi & Robotics"	5th June-11th June 2017
8.	Mrs.Rutuja Deshmukh	Foundation program in ICT for Education	3rd Aug17 to 7th Sept 2017
9.	Mr. Sagar Bhavsar	FDP on "Design Flow Automation & Testing in VLSI using PERL"	27th January 2018
		1 Week FDP on "Outcome Based Education-An Effective Teaching Learning Practice & Assessment"	11th to 16th June 2018
10.	Swati Subhash Jadhav	Faculty Development programme on "Image Processing using Raspberry Pi and Robotics"	05/06/2017 to 9/06/2017
		Machine Learning and Deep Learning	23rd to 27th June 2018
11.	Mrs. K. M. Jadhav	STTP on Electronic System design in association with IETE	14th July to 18th July 2017
12.	Mr. Prabhu Reddy	Outcome Based Education- An Effective Teaching Learning Practice &Assessment	11 June-16 June 2018
13.	Dr Mrs Preeti Patil	Big Data and Analytics	18th to 22nd December 2017
		Implementation of OBE Using ICT Based Tools	03/01/2018 to 05/06/2018
14.	Mr. A J Patankar	Implementation of OBE Using ICT Based Tools	03/01/2018 to 05/06/2018
		FDP Recognizing completion of a micorsoft approved IOT using python	15/06/2018
15.	Kalyan Bamane	FDP Advanced softwar development	06 june to 10 june 2017
		FDP modernization in industries & education	18/12/2017 to 22/12/2017
16.	Mrs Aarti Gaikwad	Outcome Based Pedagogic principles for effective Teaching	Feb-Mar 2018
		Implementation of OBE Using ICT Based Tools	03/01/2018 to 05/06/2018
17.	Mrs Amita Jajoo	Advanced Software Development FDP	06 june to 10 june 2017
		System Programming and Advances in Compiler Construction	11/12/2017 to 16/12/2017
18.	Ashwini Abhale	Advanced Software Development	6/06/2017 to

			10/06/2017
19.	Vishnupriya G S	Foundation Program in ICT for Education	19/8/2017 to 20/8/2017
		Advanced Software Development	6/06/2017 to 10/06/2017
20.	Ashish K Saxena	Advanced Software Development	6/06/2017 to 10/06/2017
21.	Mrs. Shraddha Tushar Shelar	Advanced Software Development	6/06/2017 to 10/06/2017
22.	Mrs. Vijeta Mishra	Foundation Program in ICT for Education	19/8/2017 to 20/8/2017
		Advanced Software Development	6/06/2017 to 10/06/2017
23.	Ms. Deepali D. Rane	Advanced Software Development	6/06/2017 to 10/06/2017
24.	Ms.Krutik a Bang	Foundation Program in ICT for Education	19/8/2017 to 20/8/2017
25.	Mr. Gajanan P. Babhulkar	Foundation Program in ICT for Education	19/8/2017 to 20/8/2017
26.	Mr. Niket Bhatambre	Software Testing using Open Source Tool	6/6/2017 to 10/6/2017
27.	Mrs. Parvati Bhadre	Advanced Software Development	6/06/2017 to 10/06/2017
28.	Mr. Vinod Mane	Advanced Software Development	6/06/2017 to 10/06/2017
29.	Mrs. Disha Sengupta	Advanced Software Development	6/06/2017 to 10/06/2017
30.	Mrs. Soumya Dubey	Advanced Software Development	6/06/2017 to 10/06/2017
31.	Santosh Inchal	Advanced Software Development	6/06/2017 to 10/06/2017
32.	Ms. R. R. Sangitrao	IOT Using Python	11 JUNE 18 - 15 JUNE 18
33.	Mr. N. R. Mohanty	IOT Using Python	11 JUNE 18 - 15 JUNE 18
34.	Mr. P. B. Kaushal	IOT Using Python	11 JUNE 18 - 15 JUNE 18
35.	Mrs. A. A. Utikar	Mentoring education in mentoring Technology	17 may 2018- 5 July 2018
		IOT Using Python	11 JUNE 18 - 15 JUNE 18
36.	Vinita Yerande	IOT Using Python	17 may 2018- 5 July 2018
		Mentoring education in mentoring	17 may2018 -27

		Technology	jun2018
37.	Mrs. Archana Kesti	IOT Using Python	11 JUNE 18 - 15 JUNE 18
38.	Mrs. R. A. Deshpande	IOT Using Python	11 JUNE 18 - 15 JUNE 18
39.	Dr. Alka Kote	Practical exposure to Hit Office	6 -10 June 2017
40.	S S Suryavanshi	Appllication of Statistics In Research	29th July 2017
41.	Dr. N S jain	Practical exposure to Hit Office	6 -10 June 2017
42.	Dr. Alka Y. Pisal	Practical exposure to Hit Office	6 -10 June 2017
43.	S V Pataskar	Practical exposure to Hit Office	6 -10 June 2017
44.	Sachin Mane	Application of Satistic Research	29th July 2017
45.	Sudhanshu S Pathak	Writing Research Paper	8 July 2017
46.	Viraj Kashikar	Applications of statistics in reasearch	29th July 2017
47.	Col B K Bhonde	Practical exposure to Hit Office	6 -10 June 2017
48.	Sneha Sawant	Writing Research Paper	8 July 2017
49.	Aarti Hiremath	Emerging trends in science, engineering and technology	8 - 9th May 2018
50.	Mrs.Ashwini R Patil	Appllication of Statistics In Research	29th July 2017
51.	Savita Birajdar	Practical Exposure to Hit-Office	6/6/2017 to 10/06/2017
52.	Aruna Sharma	Practical exposure to Hit Office	6 -10 June 2017
53.	Mrs. Sadhana Shalu	Writing Research Paper	8 July 2017
54.	Ms. Mira Shah	Writing Research Paper	8 July 2017
55.	Ms. Subhashini S. Ramteke	Applications of statistics in reasearch	29th July 2017
56.	Mrs. Rohini Khandelwal	Applications of statistics in reasearch	29th July 2017
57.	Mrs.Sharmistha Chakraborty	Writing Scientific Research Paper	8 July 2017
58.	Mr. Sangmesh R. Ghale	Applications of statistics in reasearch	29th July 2017
59.	Mr. Mahesh Tatikonda	Applications of statistics in reasearch	29th July 2017
60.	Mr. Vishal Panchal	Utilization of scientific technique of water Resources	18-22 Dec 2017
61.	Mr. Sunil Payghan	International conference on Emerging trends in science, engineering and technology	8th & 9th May 2018
62.	Kailash Biradar	Writing Research Paper	8 July 2017
63.	Mr. Avadhut S. Kulkarni	Applications of statistics in reasearch	29th July 2017
64.	Mrs.Ashwini Joshi	Practical exposure to Hit Office	6 -10 June 2017
65.	Shefali Ghutke	Writing Research Paper	8th July 2017
66.	Mr. Rajvardhan Patil	Appllication of Statistics In Research	29th July 2017

67.	Mr. Ahinsak Taksande	Applications of statistics in reasearch	29th July 2017
68.	Mr. Akash G. Charbe	Applications of statistics in reasearch	29th July 2017
69.	Mr. Mukund Chougale	Application of Satistic Research	29th July 2017
70.	Ms. Savita S. Magadum	Writing Scientific Research Paper	8 July 2017
71.	Saswati Datta	Practical exposure to Hit Office	6 -10 June 2017
72.	Tushar Bagul	Appllication of Statistics In Research	29th July 2017
73.	Supriya Patil	Practical exposure to Hit Office	6 -10 June 2017
74.	Sagar Katwa	Application of Satistic Research	29th July 2017
75.	Ms. Bhagyashri D. Pardeshi	Writing Scientific Research Paper	8 July 2017
76.	Mr. Nitin K Kamble	NPTEL awareness workshop	19 /01/2017
77.	Dr V. A. Kulkarni	Educational Leadership	JUL - Sep 2017
78.	Nilesh Mahajan	5days Entrepreneurship Educators Program: WF100 & WF 101	1st to 5th August 2017
		Smart Manufacturing & hands on Training of 3D Printing	13/6/2017 to 15/6/2017
79.	Mr. R.P. Jadhav	ET701x: Elements of Learner Centric MOOCs	03/05/2018 to 23/05/2018
80.	Mr. Y. G. Kamble	ET701x: Elements of Learner Centric MOOCs	03/05/2018 to 23/05/2018
81.	Pradnesh Padave	NPTEL Awareness Workshop	19/01/23
		Recent Trends in New Product Development	8th and 9th March 2018 (2 Days)
82.	Mr. M. N. Mathapati	ET701x: Elements of Learner Centric MOOCs	03/05/2018 to 23/05/2018
83.	Mr. J. M. Khade	ET701x: Elements of Learner Centric MOOCs	03/05/2018 to 23/05/2018
84.	Dr. Pravin Tukaram Nitnaware	FDP- Modernization I Industries & Education	18-22 Dec 2017
		FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
85.	Mr. Shyamsing Vijaysing Thakur	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
86.	Mrs. S K Dhamale	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
87.	Mr. Rahul Ralebhat	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
88.	Dr. R S Hingole	FDP- Modernization I Industries & Education	18-22 Dec 2017
89.	Mr.Sanjay R Deodas	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
90.	Dr. Tapobrata Dey	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017

		One Week AICTE — IIIE Refresher Course on 'Research Methodology'	23-27 Apr 2018
91.	Dr. V S Jatti	Course on Mechatronics using NI LAB VIEW	26-30 Dec 2017
92.	Mr. Nilesh Ramchandra Pawar	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
93.	Mr. S. V. Ghogardare	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
94.	Mr. Santosh Kumar Bawage	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
95.	Mr. Ravindra Sadashiv Lahane	FDP- Modernization I Industries & Education	18-22 Dec 2017
96.	Mr. Samadhan Dattatray Bhosale	FDP- Modernization I Industries & Education	18-22 Dec 2017
		FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
97.	Mr. Sunil Subrao Patil	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
98.	Mr. Ajay Kumar Pathak	One Week Refresher Course on Refrigeration & Air Conditioning	26-30 June 2017
99.	Mr.Sushant Sunilkumar Patil	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
		FDP- Modernization I Industries & Education	18-22 Dec 2017
100.	Ms. Bhingare Nirmala H	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
		FDP- Modernization I Industries & Education	18-22 Dec 2017
101.	Mr. Deepak Kumar Sharma	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
102.	Mr.Swapnil Yashwant Taware	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
103.	Mr. Rachit Roshan	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
		FDP- Modernization I Industries & Education	18-22 Dec 2017
104.	Mr. Vishwanath Hunagund	FDP- Modernization I Industries & Education	18-22 Dec 2017
105.	Mr. Raghvendra V Kathari	FDP- Modernization I Industries & Education	18-22 Dec 2017
106.	Mr. Navalkant Konda	FDP- Modernization I Industries & Education	18-22 Dec 2017
107.	Mr. Vaibhav V Phule	FDP on Smart manufacuing and Hands on Training of 3-D printing	13/06-15/06/2017
108.	Mr.Vivek Vitthalrao Diware	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
109.	Mr. Chaple Anup Rambhau	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
		FDP- Modernization I Industries & Education	18-22 Dec 2017

110.	Mr. Vinayak wamanrao Bembrekar	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
		Course on Mechatronics using NI LAB VIEW	26-30 Dec 2017
		FDP- Modernization I Industries & Education	18-22 Dec 2017
111.	Mr. Kulkarni Vikram	FDP- Modernization I Industries & Education	18-22 Dec 2017
112.	Mr. Shekhar Waman Musane	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
113.	Mr. Santosh Pachpute	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
114.	Dr. Dhanajay Panchagade	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
115.	Mr. Rohit Patil	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
116.	Mr. Manoj Joshi	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
117.	Ms. Mankarnika Mane	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
118.	Mr. Nilesh Birajdar	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
119.	Mr. Anand Hudge	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
120.	Mr. Pramod Shevale	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
121.	Ms. Jyotsna S. Rane	FDP- Smart manufacturing and Hands on Training of 3-D Printing	13-15 June 2017
122.	Dr. S. K. Babar	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
123.	Dr. M. S. Kaulgi	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
124.	Dr. Shanti Iyyer	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
125.	Mrs. Jasmita Kaur	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
126.	Mr. S. G. Yeolekar	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
127.	Mrs. Pranjali Shinde	FDP on “ Outcome Based Education – An Effective Teaching Learning Practice & Assessment”	11th to 16th Jun 2018
128.	Ajit Ghorpade	Faculty Development Programme on Life	22Aug-23 Aug,

		Management Skills at Chinmay Vibhooti Kolvan	2017
129.	Dr. Manisha Tanwer	One week FDP on, "Theory & Performance of Analysis of Waste Water"	05-06-2017 to 10-06-2017
		Refresher Programme on " Human Values & Professional Ethics"	11-12-2017 to 15-12-2017
130.	Santosh Damkondwar	4 Week Course on "Outcome based Pedagogic Principles for effective teaching"	July-Aug, 2017
131.	Deepali Dubal	One week FDP on, "Theory & Performance of Analysis of Waste Water"	05-06-2017 to 10-06-2017
132.	Savita Muley	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
133.	Bikram Prasad	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
134.	Mrs. Swati S. Jadhav	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
135.	Ms. Rituparna Kashap	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
136.	Rahul Kale	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
137.	Mrs. Jyoti Pandhare	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
138.	Dinesh Kute	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
139.	Mr. Narendra Sarbande	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
140.	Ms. Pooja Khatkale	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
141.	Mr. Ganesh Gosavi	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
142.	Ms. Dipti Kandari	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
143.	Ms. Pushpa Shitole	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017

144.	Mr. Sanjay Mohite	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
145.	Mrs. Archana Gupta	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
146.	Ms. Sonal Sunil Siddha	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
147.	Ms. Varsha Shivraj	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
148.	Ms. Madhuri N. Patil	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
149.	Ramesh Sul	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
150.	Dr. Archana Chavan	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
151.	Mr. Abhijit Dhotre	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
152.	Mr. D. A. Bhagwat	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
153.	Mrs Komal Desai	Seven days Faculty Development Programme on Enhanced Learning through Various Audits in Electrical Engineering	24-04-2017 to 30-04-2017
154.	Hnnie Williams	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
155.	P.K. Gore	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
156.	Mrs. Ashwini Deshpande	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
157.	Ms. Vaishali Thakur	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
158.	Ms. Amita Mane	Faculty Development Programme on Life Management Skills at Chinmay Vibhooti Kolvan	22Aug-23 Aug, 2017
159.	Mrs. Dhanshree	ONE WEEK fdp advance software	6TH ?jUNE 2017-

	Phalke	development	10 JUNE 2017
		one day fdp on MooondoDB ,PL/SQL	23rd June 2017
160.	Mrs. Vaishali Kolhe	ICACT M-2018	23 to 24 Feb, 2018
		One Day FDP on "Outcome Based Education"	18th Dec 2017
161.	Mrs. Deepali M.Gohil	FDP on AWS	4th June-9 th June 2018
		Two Days state level workshop on "Internet of Things (IOT), Analytics, Computing Techniques and tools for smart Cities"	17 Feb to 18 Feb 2017
		Two days National level seminar on IoT	30th & 31st Jan 2018
162.	Mrs. Shanthi K Guru	FDP on "Outcome Based Education"	6th June 2017 to 10th June 2017
163.	Mrs. Nilam S. Patil	ICACT M-2018	23 to 24 Feb, 2018
		One Day FDP on "Outcome Based Education"	18th Dec 2017
		Five Days FDP on ICT based Teaching and Learning using GNOMIO	24 to 29 December 2018
164.	Mrs.Dipalee Rane	ISeminar on IOT	30 Jan-31ST jan 2018
		6 Days FDP on AWS	4 June to 9 June 2018
165.	Vishakha Metre	FDP on Advanced Software development	6 th June-10 June 2018
166.	Mrs. Saudamini Somanvanshi	Two Days FDP on Software modeling & Design	27 DEC-28 DEC 2018
		One day FDP on OBE	18-Dec-18
167.	Neha Patil	Workshop On ICT Tools For OBE	2/01/2018 to 4/01/2018
168.	Soniya Bastwade	Workshop On ICT Tools For OBE	2/01/2018 to 4/01/2018
		FDP On Python Programming	21st December 2017
169.	Vivek Patiil	Workshop On ICT Tools For OBE	2/01/2018 to 4/01/2018
		National Seminar on Internet Of things - Technology Of Futhure	30/01/2018 to 31/01/2018
170.	Pallavi Khude	FDP on Advanced Software development	6 th June-10 June 2018
171.	Suvrna Kadam	Workshop On ICT Tools For OBE	2/01/2018 to 4/01/2018
		FDP on Advanced Software development	6 th June-10 June 2018

172.	Mr. S. K. Desai	Staff Development Program at Prathemesh farm	14-09-2017
173.	Mr. S. S. Wadar	Staff Development Program at Prathemesh farm	14-09-2017
174.	Mr. R. A. Patil	Staff Development Program at Prathemesh farm	14-09-2017
175.	Mr. Avinash Bavdekar	Staff Development Program at Prathemesh farm	14-09-2017
176.	Mr. Mohan S. Chougale	Staff Development Program at Prathemesh farm	14-09-2017
177.	Mr. Ravi B. Kamble	Staff Development Program at Prathemesh farm	14-09-2017
178.	Mrs. Swati Panse	Staff Development Program at Prathemesh farm	14-09-2017
179.	Mr. Harish Surana	Staff Development Program at Prathemesh farm	14-09-2017
180.	Mrs. Bharti Ghatage	Staff Development Program at Prathemesh farm	14-09-2017
181.	Mr. Suresh Kamble	Staff Development Program at Prathemesh farm	14-09-2017
182.	Mrs. Anita Pawar	Staff Development Program at Prathemesh farm	14-09-2017
183.	Mr. N. N. Naikwadi	Staff Development Program at Prathemesh farm	14-09-2017
184.	Mrs. Shalaka Gurav	Staff Development Program at Prathemesh farm	14-09-2017
185.	Mr. M. V. Lanjekar	Staff Development Program at Prathemesh farm	14-09-2017
186.	Mr. J. B. Mohite	Staff Development Program at Prathemesh farm	14-09-2017
187.	Mrs. N. S. Suryanshi	Staff Development Program at Prathemesh farm	14-09-2017
188.	Mr. C B. More	Staff Development Program at Prathemesh farm	14-09-2017
189.	Mr. S. W. Dhake	Staff Development Program at Prathemesh farm	14-09-2017
190.	Mr. S. P. Burse	Staff Development Program at Prathemesh farm	14-09-2017
191.	Mr. S. N. Borate	Staff Development Program at Prathemesh farm	14-09-2017
192.	Mr. S. T. Desai	Staff Development Program at Prathemesh farm	14-09-2017
193.	Ms. Chhaya Gaikwad	Staff Development Program at Prathemesh farm	14-09-2017
194.	Mr. D. B. Dalavi	Staff Development Program at Prathemesh farm	14-09-2017

195.	Mr. S. B. Bodke	Staff Development Program at Prathemesh farm	14-09-2017
196.	Mr. D. B. Walkunde	Staff Development Program at Prathemesh farm	14-09-2017
197.	Mr. R. S. Badhekar	Staff Development Program at Prathemesh farm	14-09-2017
198.	Mr. V. Y. Pachbole	Staff Development Program at Prathemesh farm	14-09-2017
199.	Mr. B. B. Zore	Staff Development Program at Prathemesh farm	14-09-2017
200.	Mr. B. V. Khandebhard	Staff Development Program at Prathemesh farm	14-09-2017
201.	Mr. Manjunath Kalkutti	Staff Development Program at Prathemesh farm	14-09-2017
202.	Mr. V. B. Rode	Staff Development Program at Prathemesh farm	14-09-2017
203.	Mr. Pawan Kumar	Staff Development Program at Prathemesh farm	14-09-2017
204.	Mr. Devputra Patty	Staff Development Program at Prathemesh farm	14-09-2017
205.	Mr. S. D. Balwant	Staff Development Program at Prathemesh farm	14-09-2017
206.	Mr. A.Y. Patil	Staff Development Program at Prathemesh farm	14-09-2017
207.	Mr. C. G. Mehare	Staff Development Program at Prathemesh farm	14-09-2017
208.	Mr. R.N. Kamble	Staff Development Program at Prathemesh farm	14-09-2017
209.	Mr. B.D. Gaikwad	Staff Development Program at Prathemesh farm	14-09-2017
210.	Mr. V. M. Bagule	Staff Development Program at Prathemesh farm	14-09-2017
211.	Mr. R. R. Patole	Staff Development Program at Prathemesh farm	14-09-2017
212.	Mrs. Mayuri Devkate	Staff Development Program at Prathemesh farm	14-09-2017
213.	Mr. Madan Khot	Staff Development Program at Prathemesh farm	14-09-2017
214.	Mr. S.J. Jadhav	Staff Development Program at Prathemesh farm	14-09-2017
215.	Mrs. Priti Shivaji Kolte	Staff Development Program at Prathemesh farm	14-09-2017
216.	Mr. Prakash Pandurang Wadkar	Staff Development Program at Prathemesh farm	14-09-2017
217.	Mr. Mahesh Gopal More	Staff Development Program at Prathemesh farm	14-09-2017

218.	Mr. Sunil Chopade	Staff Development Program at Prathemesh farm	14-09-2017
219.	Mr. Suresh Khandagale	Staff Development Program at Prathemesh farm	14-09-2017
220.	Mr. Rajesh L. Patil	Staff Development Program at Prathemesh farm	14-09-2017
221.	Mr. Dattatray Bhutal	Staff Development Program at Prathemesh farm	14-09-2017
222.	Mrs. Komal Biranje	Staff Development Program at Prathemesh farm	14-09-2017
223.	Mrs. Harshada Joshi	Staff Development Program at Prathemesh farm	14-09-2017
224.	Miss. Shailaja Name	Staff Development Program at Prathemesh farm	14-09-2017
225	Mrs. Parminder Kaur Sidhu	Staff Development Program at Prathemesh farm	14-09-2017
226	Mrs. Meenakshi Prashant Jawale	Staff Development Program at Prathemesh farm	14-09-2017
227	Mr. Popat Jayakar Patil	Staff Development Program at Prathemesh farm	14-09-2017
228	Mr. Abhijeet Birnje	Staff Development Program at Prathemesh farm	14-09-2017
229	Mr. Ajit Kumbhar	Staff Development Program at Prathemesh farm	14-09-2017
230	Mr. Sharad Pise	Staff Development Program at Prathemesh farm	14-09-2017

## 13. Research and Development

### A. List of Publications

#### i. Book 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	Prof. S V Pataskar Prof. N. S. Mujumdar	Project Management and Engineering Economics	June 2017	ISBN-13: 978-9351643524 ISBN-10: 9351643522	Nirali
2	S V Pataskar and Prof. N. S. Mujumdar	Construction Management-I	2018	ISBN-13: 978-9351641198 ISBN-10: 9351641193	Nirali
3	Dr. N S Jain and Dr. P Rao	Engineering Geology	2018	978-93-83750-91-7	Nirali
4	A Warudkar and S S. Pathak	Infrastructure Engineering and Construction Techniques	June 2018	"ISBN-13: 978-9333211253"	Technical
5	Dr. J. S. Chitode P. G. Chilveri V. S. Bagad I. A. Dhotre Dr. P. Malathi	Information Theory, Coding Techniques & Communication Network	2018	ISBN-10: 9333217312 ISBN-13: 978-9333217316	Technical
6	A. A. Jajoo	Software Engineering and Project Management	2019	978-93-5164-148-3(IT)	Nirali
7	A. A. Jajoo	Softwareengineering &Project Management Programming	2017	978-93-5164-372-2	Nirali
9	K. D. Bamane	Computer Graphics	2018	978-93-332-1412-4	Technical
10	Dr. P. S Patil K .D. Bamane A. K. Kapasi	Business Analytics & Intelligence	2018	978-93-332-1946-4	Technical

11	Mrs. A. A. Jajoo	Software Engineering and Project Management	2018	978-93-5164-368-5 (Comp)	Nirali
12	Dr. V. S Jatti and M Sapre	Finite Element Analysis	2018	978-93-87656-94-9	Tech -Neo
13	Dr. N. A. Deshpande and D. B. Gothawal	Information Systems & Engineering Economics	2018	978-93-332- 1591-6	NA
14	H. J. Sawant "A. A. Sakurkar S. V. Arlikar S. S. Joshi Dr. S. K. Babar" S. Sawant	Engineering Physics	2018	978-93-5038-759-7	Technical

## ii. Journal Publication:

Sr. No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	A study of Authentication and Access Control for Cloud Computing	Asst.Prof. Tejali Katkar	International Journal of Innovative research in Science, Engineering and Technology	2017	2319-8753
2	Survey on Li-Fi technology	Bhagyashree A. Tingare	International Journal of Academic Research and Development	2017	2455-4197
3	A Survey on k-means	Pranjali Kothawade	International Journal of Advance Engineering and Research Development	2017	2348-6406
4	Will SSD's Completely HDD's Replaced	Pranjali Kothawade	International Journal of Advance Engineering and Research Development	2017	2348-6406

5	Performance evolution of Multi core system through Mining Technique	Ramdas jare	International journal of advance research ,ideas and innovations in technology	2017	454-132X
6	Survey on Hand Gestures Recognition using LEAP Motion Controller	Bhagyashree A. Tingare	International Journal for Scientific Research & Development	2018	2321-0613
7	Controlling the Drone with Hand Gestures by using LEAP Motion Controller	Bhagyashree A. Tingare	International Journal of Pure and Applied Mathematics	2018	1314-3395
8	Collective data-sanitization for personal sensitive information protection	Pranjali Kothawade	International Journal of Pure and Applied Mathematics	2018	2348-4470
9	Investigation of Bacterial activity on compressive strength of cement concrete	Sachin Mane, Smita Khade	International journal of engineering science and computing	2017	NA
10	Low cost water purifier by using natural herbs	Sachin Mane, Ashwini Yewate	International journal for science and advance research in technology	2017	2395-1052
11	Life Cycle Cost Analysis of Flexible Payments and Rigid Payments in Urban Areas	Pratik Shirole, Ashwini Patil	Internation Journal of Innovative Science and Research Technology	2017	2456-2165
12	Performance of Geotextile Baffle Wall Contact System (GBCS) for the Treatment of Wastewater	Mr.Sachin Mane, Sukhada Salunke	International journal of engineering science and computing	2017	NA
13	Use of Construction Demolition Waste in Pavement	Vishal V Panchal, Vinayak B Kulkarni, Avadhut Kulkarni, Akash Kumar	International Journal of Advanced Research in Science, Engineering and Technology	2017	2350-0328
14	Cost Saving Associated to reduced travel time by providing dynamic ride sharing: Case study of kalupur-Income Tax Stretch	Mira Shah, Mr. Sunil J. Payghan	International Journal Of Pure & Applied Research In Engineering & Technology	2017	2319-507X

15	Application Of Graphene Oxide Modified with 8-Hydroxyquinoline for Adsorption of Copper from Leachate	Yogita B.Dahatonde 1 , and Prof. Mr. Sachin J. Mane2	International Journal for Research in Emerging Science and Technology	2018	2349-7610
16	Development of SO2 prediction model with artificial neural network for pune city	Sachin Mane, Sonaje N.P	International Journal of Application or Innovation in Engineering & Management	2018	2319-4847
17	Artificial Neural Network model for Respirable Particulate Matter Concentration Predictio	Sachin Mane, Sonaje N.P	International Journal of Technical Innovation in modern engineering and science	2018	2455-2585
18	Performance evaluation of different MBBR media in wastewater treatment	Sachin Mane, Shriyesh mane, rohan kotwal	International research Journal of engineering and technology	2018	2395-0056
19	Study of Risk Factors in Infrastructure Projects of Pune Region (Using Relative Importance Index)	Akshata Behere, Sudhanshu Pathak, Sneha Sawant	International Journal of Engineering Research & Technology (IJERT)	2018	2278-0181
20	Performance Management through Quality Measurement at Construction Site, Pune	Madhavi Khandar, Sudhanshu Pathak, Sneha Sawant	International Journal of Engineering Research & Technology (IJERT)	2018	2278-0181
21	Comparative Analysis of Integrated Township	Smita Pataskar, Somnath Londhe	International Journal for Science and Advance Research in Technology	2018	2396-1052
22	PPP model for Construction and Development of DP roads in PCMC on Development TDR basis	Smita Pataskar, Shirish Poredi	International Journal for Science and Advance Research In Technology	2018	2395-1052
23	A machinability evaluation of cryogenically treated beryllium copper in a magnetic field assisted by electrical discharge machining	Savita V. Jatt, Vinaykumar S. Jatti	International Journal of Mechanical and Production Engineering Research and Development, 2018,	2018	2249-8001

24	Experimental investigation of mechanical properties and bio-compatibility of glass fiber reinforced polymer composite as bio-implant	Savita V. Jatt, Vinaykumar S. Jatti	Techno-Societal 2018 - Proceedings of the 2nd International Conference on Advanced Technologies for Societal Applications, 2020, 2, pp. 999–1006	2018	0967-0912.
25	Delay Recovery Analysis at ROB	Ashwini R. Patil Shraddha S. Bendsure , Prof. Basavaraj S. Balapgol	International Journal for Science and Advance Research In Technology	2018	2395-1052
26	Study of Physico-Chemical and Bacteriological analysis of Indrayani Raver Water at Alandi , Pune District ( Maharashtra ) India	Ashwini R. Patil , Saber H Khureshi , Shubham S Mahale, Puje M. kale	International Research Journal of Engineering and Technology	2018	2395-0072
27	Replacing the Fly Ash by STP DRY Sludge in Manufacturing of fly ash Bricks	Govind Bikkad, Chetan Sontakke, Baliram Janwade,Gajendra giri,Vaibhav Kalbhor,Rohini Khandelwal	International Research Journal of Engineering and Technology	2018	2395-0056
28	Performance of square footing under axial and eccentric loading on non-cohesive soil	Monika R. Gurav <sup>1</sup> , Sumit P. Gawali <sup>2</sup> , Rahul G. Bramhane <sup>3</sup> , Sunil J. Payghan <sup>4</sup>	International Journal of Technical Innovation in modern engineering and science	2018	2395-4396
29	Buckling of comoposite Laminated plate subjected to thermal environment using higher order shear and normal deformaton theory	J.V. Kurkute, S.M. shiyekar	International journal of Advanced research in Engineering and Technology	2018	0976-6480
30	Song lyrics display(English text to Hindi text)	Chinmay Bodhe, Richa Raj, Ruchita Pradhan, Harshita Singh, D A Phalke	International Journal of Advance Research and Innovative Ideas in Education (IJARIIE)	2017	NA

31	securing Constrained IOTs data	Dambaye Sonali S., Vaishali Kolhe	International Journal for Research in Applied Science & Engineering Technology	2017	NA
32	Location based services using productive filtering and review analysis	Praveen Rao, Vaishali Kolhe	Internal journal of innovative research in science engineering & technology	2017	NA
33	A Time and Energy Consumption Efficient Routing Approach for Electric Vehicles in Real-World Conditions”	Sarika Laiphrakpam, D. B. Gothawal	International Journal on Emerging Trends in Technology (IJETT)	2017	NA
34	Survey Paper on Model Driven Application Development in CoT	Rachana Patil Mrs. Dipalee Rane (Chaudhari)	International Engineering Research Journal (IERJ), Volume 2 Issue 7 Page 2306-2309, 2017	2017	2395-1621
35	Adaptive Cooperation between Multiple Devices using Business Driven Patterns in CoT	Rachana Patil, Mrs. Dipalee Rane (Chaudhari)	International Journal of Advance Engineering and research Development	2017	2348-6406
36	Fuzzy Keyword Search for Multiple Data Owners in Cloud Computing	Mrs Shanti Guru	International Journal of Advance Engineering and Research Development	2017	2348-6406
37	Image Classification using Naive Bayes Model for Deep Head Pose Estimation	Mrs Shanti Guru	International Journal of Advance Engineering and Research Development	2017	2348-4470
38	Implementation of Security Scheme for QR code based Application with Enhanced (k,n) sharing Approach	Sarika Laiphrakpam, Mrs. D. B. Gothawal	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING	2018	2320 - 9798

39	Energy Efficient Human Activity Recognition using Hybrid Mobile Application Development Approach	Ms. Puja B. Patil, Mrs. D. B. Gothawal	International Journal of Innovative Research in Computer and Communication Engineering	2018	2320-9798
40	Survey on Various Unsupervised Learning Techniques for Anomaly Detection	Ms. Ashwini Athawale, Deepali Gothawal/Gohil	International Journal of Innovative Research in Science, Engineering and Technology	2018	2347-6710
41	Survey on Data Management for Healthcare using Internet of Things	Mrs. Dipalee Rane (Chaudhari), Dr. E. Umamaheswari	2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)	2018	NA
42	Review Paper on Multi-keyword top-k search over encrypted cloud data	Tushar Mahajan, Mrs. Dipalee Rane (Chaudhari)	International Engineering Research Journal (IERJ),	2018	2395-1621
43	Rough Set Theory Approach in Feature Selection and Clustering	Nilam Patil	Sandip Foundation's International Journal on Emerging Trends in Technology (IJETT)	2018	2455 – 0124
44	Privacy Preserving of Messages in Vehicular Ad Hoc Network	Nilam Patil, Priti Gaikwad	International Journal of Advance Engineering and Research Development	2018	2348-4470
45	Mining Opinion Targets and Opinion Words Using Word Alignment Model with Positive, Negative Reviews	Nilam Patil, Sunita Patil	International Journal of Advance Engineering and Research Development	2018	2348-4470
46	<u>Scope of Research on Particle Swarm Optimization Based Data Clustering</u>	Vishakha A Metre, Mr Pramod B Deshmukh	International Journal of Computer Science Trends and Technology (IJCTST)	2018	2347-8578

47	Spam Detection on Collection of Twitter Data Using Naive Bayes Algorithm	Ms. Ashwini Athawale, Deepali Gothawal/Gohil	Internal journal of innovative research in science engineering & technology	2018	2319-8753
48	A systematic review of near duplicate video retrieval techniques	Dhanshree Phalake	International journal of Pure and Applied Mathematics	2018	1314-3359
49	To Maximize Energy Efficiency in WSN Using ACO	Dr P Malathi, P.H. Kulkarni ,Dhanashri Kadam	2017 International Conference on Computing, Communication, Control and Automation (ICCUBEA)	2017	978-1-5386-4008-1
50	Performance Evaluation Of An Anti-Lock Braking System	Yogesh Shirke, Prashant Titare	International Journal of Mechanical And Production Engineering	2017	2320-2092
51	Noise Reduction in MEMS Accelerometer by using Kalman Filter	Yogesh Shirke , Prashant Titare	Asian Journal For Convergence In Technology (AJCT)	2017	2350-1146
52	Low Power Area Efficient dynamic comparator with reduced activity factor	Dr.Manish Sharma , Amol D. Shinde	<u>International Conference on Information, Communication, Instrumentation and Control (ICICIC)</u>	2017	978-1-5090-6313-0
53	Area Improved High Speed Hybrid 1 bit Full Adder Circuit using 3T XNOR Gate	Dr Manish Sharma , Chaitali P. Kadu	International Conference on Computing, Communication, Control and Automation (ICCUBEA)	2017	978-1-5386-4008-1
54	Dynamic Spectrum allocation for network utility and throughput maximization in hybrid access cognitive Femtocell network	Trupti Wagh , Sanjyot Godase	2017 International Conference on Information, Communication, Instrumentation and Control (ICICIC)	2017	978-1-5090-6313-0
55	Fuzzy logic based flood warning and floodgate control system	Yogesh Waghmare, Prakash Choudhary, Mohit Rochlani and Manisha Rajput	International Journal Of Advanced Engineering And Management	2017	2456-8066

56	Interleaver with high dimensional encoding principle using hybrid group search optimizer	Dr Rutuja Deshmukh , A. R. Panat	International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)	2018	978-1-5090-4442-9
57	Duty Cycle Measurement and Correction Techniques in 90 nm CMOS	Usha Jadhav ,Lalita M. Landge	2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)	2018	978-1-5386-4008-1
58	Implementation of Reusable FM0/Manchester encoding using SOLS technique for DSRC Application	Usha Jadhav ,P.H. Kulkarni, Dhanashri Kadam, Dr .P. Malathi	International Journal of Pure and Applied Mathematics	2018	1314-3395
59	Implementation of DCC technique using differential amplifier based filter in 90nm CMOS Technology	Usha Jadhav , Lalita Landge	Journal of VLSI Design Tools & Technology	2018	2321-6492
60	Migration from IPv4 to IPv6	Digvijay Dhamale,Gursimran Singh, Sanjay Khatri,Mrs.Sayali.N.Mane	International Journal of Pure and Applied Mathematics	2018	1314-3395
61	Forging Simulation of Flywheel using AFDEX software	Yogesh S.Danekar , SwatiS.Jadhav	International Journal of Management, Technology And Engineering	2018	2249-7455
62	Synthetic Speech Spoofing Detection Using MFCC And Radial Basis Function SVM	Prashant Titare,Sagar Bhavsar	IOSR Journal of Engineering (IOSRJEN)	2018	2250-3021, 2278-8719
63	An Intelligent eNodeB for LTE Uplink based on Neural Network	Dr D G Khairnar , Dr Manish Sharma	International Conference on Information, Communication, Instrumentation and Control (ICICIC)	2018	978-1-5090-6313-0

64	Automated Cleaning in Dairy Industry using CIP Method	Swapnil kale , Prof.R.S.Sangitrao, Shubham Khedekar, Gajanan Inamdar, Shubham Mohite	International Journal of Innovative Science and Research Technology	2017	2456 - 2165
65	A Model based approach of Interaction Measures for Multivariable Processes	V V Yerande and B B Musmade	International Journal of Advanced and Innovative research	2018	2278-7844
66	Banana ripeness assessment by impedance spectroscopy	<u>N. V. Mane; R. P. Mudhalwadkar</u>	<u>IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)</u>	2018	978-1-5386-0814-2
67	Conventional Object Detection Techniques in Robotics: A Review	Vipin Vibhute; Yogesh Angal; B. Suryakanth	2018 International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS)	2018	978-1-5386-7709-4
68	Bionic Arm with Extendible Mechanism	Pranav Bairagi, Soniya Bairagi, Vipin Vibhute, Shubham More, Pingal Ghanashyam	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
69	An automatic electronic tongue system for classification of Indian wine	Pauroosh Kaushal; R P Mudhalwadkar; Gitesh R. Mhatre	2017 Eleventh International Conference on Sensing Technology (ICST)	2018	2156-8073
70	Secure Fragment & Replica Allocation of Data using Geo-Social Attributes in Cloud	Abhijit J. Patankar	International Journal of Engineering Research and Technology	2017	. 2320-9801
71	Personal Assistant with Voice Recognition Intelligence	Mr. Abhijit J. Patankar	International Journal of Engineering Research and Technology	2017	0974-3154

72	Web Services Hash Table based Automation Testin	Chetan Phalke , Kalyan Bamane	International Journal of Innovative Research in Computer and Communication Engineering	2017	2320-9798
73	Two Level Deduplication Using SHA-256 Algorithm for Resemblance Detection	Rohini S Mahajan, Prof. K. D. Bamane	International Journal of Innovative Research in Computer and Communication Engineering	2017	2320-9798
74	Personalized News Recommendation System Based on Consumers' Click Behavior	Aarti Gaikwad	IJSART	2017	2395-1052
75	Enhancement of Video on FPGA Using Guided Filter	Aarti Gaikwad	ICACDOT	2017	NA
76	Area and Power efficient High Speed Voltage Comparator	Aarti Gaikwad	ICACDOT	2017	NA
77	Autonomous RC Car Using Neural Network	Mrs Amita Jajoo	International Journal of Innovative Research in Computer and Communication Engineering	2018	2320-9801
78	Titanium oxide nanoparticles as additives in engine oil	Meena Laad ., Vijay Kumar S. Jatti .,	Journal of King Saud University - Engineering Sciences	2018	1018-3639
79	Split Casing Open Differential without Cross pin and it's comparison with Single Piece Casing Differential	Rushiraj Kadge, Vaibhav Mohale, Kaustubh Kakade, Prashant Biradar, Swapnil Taware	International Research Journal of Engineering and Technology (IRJET)	2018	2395-0056
80	Heat Transfer Performance Analysis of Screen Mesh Wick Heat Pipe Using CuO Nano Fluid	Shylesha V. Channapattana, Saurabh B. Raut, Abhay A. Pawar, Srinidhi Campli, Sandeep S. Sarnobat, Tapobrata Dey	European Journal of Sustainable Development Research	2018	2542-4742

81	Packaging Design, Weld Fatigue analysis and Validation of Diesel Exhaust After-treatment System	Nareddiwar, Sonal and Dey, Tapobrata and Sunilkumar, R.	Mechanical Engineering Research	2018	1927-0615
82	Design and Fabrication of Eco-friendly Vehicle for Physically Handicapped Person	Dhamale, Mrs Swati and Jaiswal, Rahul and Jadhav, Mayur and Pathak, Anvay		2018	2395-0056
83	Conservation of energy by using different strategies in an organization	Bhosale, Samadhan Dattatray and Roshan, Rachit and Phule, Vaibhav	International Journal of Technology	2018	2087-2100
84	A Study on Stair Climbing Mechanism using Epicyclic Gear Train,	Mr. Laxman P. Khose, Mr Vaibhav Phule	International Journal for Scientific Research & Development	2018	2321-0613
85	Performance of Heat Pipe and its Application for Dehumidification and Air Conditioning	Sunil S Patil, Deepak S Patil, Sunil Yadav	International Journal on Theoretical and Applied Research in Mechanical Engineering (IJTARME)	2018	2319-3182
86	Dehumidification And Air Conditioning Using Heat Pipe	Sunil S Patil, Deepak S Patil, Rohit P Patil	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)	2018	2278-1684
87	Thermo-electric modelling, simulation and experimental validation of powder mixed electric discharge machining (PMEDM) of BeCu alloys	Jatti V.	Alexandria Engineering Journal	2018	2090-2670
88	CFD Analysis for Different Fuel Nozzle Diameter of Carburetor with different Throttle Positions	Utkarsha Kharade, P T Nitnaware	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)	2018	2278-1684
89	Optimizing Design of an Air Cooled Internal Combustion Engine Fin Using CFD	Bharati, Radha and Nitnaware, Pravin and Jagdale, Mahesh	International Research Journal of Engineering and Technology	2018	2141-2383
90	Optimization of material removal rate during electrical discharge	V Gaikwad, VKS Jatti	Journal of King Saud University-Engineering Sciences	2018	1018-3639

	machining of cryo-treated NiTi alloys using Taguchi's method				
91	Productivity improvement of robotic welding process	A Patel, VS Jatti	International Journal of Advances in Arts, Science & Engineering	2018	2320-6144
92	Design of pick and place machine for forged cylindrical parts	VT Chavan, MV Bhoje, AV Zanke, NR Bobade, Jatti	International Journal of Advances in Arts, Science & Engineering	2018	2320-6144
93	Study of Effect of tool pin profile during friction stir welding of plastics	B Patel, VS Jatti, R Dhabale	International Journal of Advances in Arts, Science & Engineering	2018	2320-6144
94	Design and Analysis of Manual Rice Planter	Mr. Sumit Kadam, Mr. Vikram Kulkarni	International Research Journal of Engineering and Technology (IRJET)	2018	2395-0072
95	Multi-characteristics optimization in EDM of NiTi alloy, NiCu alloy and BeCu alloy using Taguchi's approach and utility concept	jatti, V S.	Alexandria Engineering Journal	2018	2090-2670
96	Design and Analysis of Manual Rice Planter	Mr. Sumit Kadam, Mr. Vikram Kulkarni	International Research Journal of Engineering and Technology (IRJET)	2018	2395-0072
97	An Overview of Teaching Learning Process in Engineering Graphics	Vikram Kulkarni, Vishwanath Hunagund	International Journal of Advance Research and Innovative Ideas in Education	2018	2395-4396
98	Review on thermal analysis of exhaust gas of variable compression ratio CI Engine using diesel-Biodiesel blend	Shirsath, Vivek and Kulkarni, VS	Int. Res. J. Eng. Technol	2018	2395-0056
99	The Optimization of process of biodiesel produced via Acid catalysts using Sulfuric Acid, Hydrochloric acid and Nitric acid.	Shyamsing Thakur	Asian Journal For Convergence In Technology (AJCT)	2018	2350-1146

100	Experimental Method to Find the Flux Variation on the Receiver of Central Receiver System	Chandradeep P. Nagarale, Shyamsing Thakur, Ramsing Thakur	International Journal of Engineering science research and technologies	2018	2454-5392
101	360° rotational solar tracking mechanism	Saurabh S. Shinde, Omkar S. Gaikwad, M. G. Landge	International Journal of Innovations in Engineering Research and Technology [IJIERT]	2018	2394-3696
102	Solar Based Refrigeration and air Conditioning By Ejector Based and LDAC Approach: A Review	SV Thakur, SM Lawankar, RV Thakur	Asian Journal For Convergence In Technology (AJCT)	2018	2350-1146
103	Analysis Of Process Parameters By Using Fluid Assisted Blank Holding System [Fab] For The Steel 2062	Dr. N. K. Kamble	Mechanical Engineering Research	2017	2347-470X
104	A case study on ant colony optimization technique	BHAUMIK GAJJARKAR <sup>1</sup> , YOGESH KAMBLE <sup>2</sup> , NITIN KAMBLE <sup>3</sup>	International Journal of Engineering Research-Online	2017	2321-7758
105	A comparative study of autoxidation of vegetable oil due to repeated deep frying	Bhaumik Gajjarkar, 2Mr. Nitin Kamble, 3Mr. Yogesh Kamble	Journal of Emerging Technologies and Innovative Research (JETIR)	2017	2349-5162
106	Performance study of powder mixed electrochemical discharge machining (PMECDM) of Ceramic material	Nilesh Mahajan, Rohit Jadhav, M Mathapathi	World Journal of Engineering research and Technology (WJERT)	2017	2454-6952
107	Comparative study of Different types of End Closures used in Horizontal pressure vessels and its effect on stress levels in pressure vessels and saddle support	Rohit Jadhav, M Mathapathi, Sanket Bhosale	World Journal of Engineering research and Technology (WJERT)	2017	2454-6952

108	Investigation of Process Parameters in AJM on OHNS	Pradnesh Padave	International Research Journal of Science and Engineering and Technology	2017	2454-3195
109	Improvement in Electrochemical Performance of Spray Deposited V2O5 Thin Film Electrode by Anodization	M.S. Pawar, M.A. Sutar, K.I. Maddani and S. G. Kandalkar	Materials Today: Proceedings	2017	2214-7853
110	Structural and electrochemical behaviour of electrodeposited Ni doped V2O5 Thin film on Quenched stainless steel substrate Structural and Electrochemical Behavior of Electro-deposited Ni Doped V2O5 Thin Film on Quenched Stainless Steel Substrate	M.A. Sutar, M.S. Pawar, M. K. Rendale and S. G. Kandalkar	Materials Today: Proceedings	2017	2214-7853
111	Supercapacitive performance of nickel doped vanadium oxide thin film electrodes: Effect of surface treatments	M.A. Sutar, M.S. Pawar, M. K. Rendale and S. G. Kandalkar	International Journal of Engineering Technology, Management and Applies Sciences	2017	2349-4476
112	A comparative study of autoxidation of vegetable oil due to repeated deep frying	Pranjali Shinde and Shelly Gupta.	International Journal of Research in Science and Engineering	2017	265-267
113	Thermal degradation of fatty acids during repeatedly frying of vegetable oil: A survey review	Pranjali Shinde and Shelly Gupta	Indian Journal of Research	2017	2250-1991
114	Role of Antioxidants in Enhancing Oxidation Stability of Biodiesels	Shilpi Agarwal, Shaily Singhal, Manjeet Singh, Shefali Arora, Manish Tanwer	ACS Sustainable Chemistry and Engineering	2018	NA
115	Characterization and Synthesis of Methyl Lactate Through Esterification Reaction Under Supercritical State	Kirti Zare, Manisha Tanwer,	Research Journal of Engineering Chemistry	2018	2278-9472

	of Carbon Diaoxide				
--	--------------------	--	--	--	--

### iii. Conference Publications

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. Manish Sharma	NA	An intelligent eNodeB for lte uplink based on neural network	2017 International Conference on Information, Communication, Instrumentation and Control (ICICIC)	Date of Conference: 17-19 August 2017 2/5/2018	Electronic ISBN:978-1-5090-6313-0 Print on Demand (PoD) ISBN:978-1-5090-6314-7
2	Dr. Manish Sharma	NA	Performance of cooperative massive MIMO 5g cellular system	2017 International Conference on Information, Communication, Instrumentation and Control (ICICIC)	Date of Conference: 17-19 August 2017 2/5/2018	Electronic ISBN:978-1-5090-6313-0 Print on Demand (PoD) ISBN:978-1-5090-6314-7
3	Mrs V L Kolhe	NA	Controlling the Drone with Hand Gestures by using LEAP Motion Controller	International Conference on ICACTM 2018	25-May-18	ISSN: 1314-3395 (on-line version)
4	Dr. Manish Sharma	NA	Segmentation based feature extraction of MRI images using Wavelet and implementation on FPGA	2016 International Conference on Automatic Control and Dynamic Optimization Techniques (ICACDOT)	NA	Electronic ISBN:978-1-5090-2080-5 Print on Demand(PoD) ISBN:978-1-5090-2081-2
5	Dr. N. K. Kambale	NA	A review on Die sink EDM process	ICETSET-2018	May-18	NA

6	Mr V P Parsekar	NA	Reduction in Operation Cycle time of D3V8 connecting Rod by using VMC	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
7	Mr Sanket V Bhosale	NA	Reducing Non Moving Stock Utilization of Excess Stock	Recent Trends in Manufacturing & Production Engineering	Dec-17	NA
8	Mr. R.P.Jadhav, Farhan J. Shaikh	NA	Study of Gauge Repeatability & Reproducibility of collar by Average & Range Methodology	Recent Trends in Manufacturing & Production Engineering	Dec-17	NA
9	Mr S V Bhosale, Mr. Saurabh Dhawale	NA	Analysis of Hydraulic Pipe in Punching Machine	Recent Trends in Manufacturing & Production Engineering	Dec-17	NA
10	Mr R P Jadhav	NA	To improve manufacturing process with the help of Statistical Process Control (SPC)	Recent Trends in Manufacturing & Production Engineering	Dec-17	NA
11	Mr N M Mahajan	NA	Measurement System Analysis by Gauge R&R	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
12	Mr. N. M. Mahajan, Mr. sushant Chital	NA	Optimization of Tube length for cost reduction	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
13	Mr. Vijaykumar S. Jatti, Vaibhave Gaikwad	NA	A Review on Abrasive water Jet Machining	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
14	Dr. V A. Kulkarni	NA	Artefact based CMM Evaluation: A review	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA

15	Mr. Vijaykumar S. Jatti, Vikas Gullia	NA	High Pressure Die Casting: Effect of Process Parameter on Physical Properties of LM24die- casting alloy	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
16	Prof. N. K Kamble, M.G. Ovhal	NA	A Review Paper on Optimization of Machining Parameter for Drilling of Stainless Steel	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
17	Vinayak W Bembrekar, Mr. Sachine D Marjapure,	NA	Micro Structural Analysis of Friction Drilled Mild Steel & Aluminium Component by using tungsten carbide Tool	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
18	Mr. Vikram Kulkarni, Mr. Santoshkumar Bawage, Mr. Sachin Marjapure	NA	A Study of Parameters affecting the Rolling Resistance	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
19	Dr. V. A. Kulkarni, Mr. Adhinath Shinde, Dr. V. A Kulkarni	NA	Safety During Working at Height in Boiler Manufacturing Industries	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
20	Mr. Swapnil V. Ghogardare	NA	Review on Performance & Emission Characteristics of CI engine by using Nanoparticles with Blended Biodiesel in Diesel Fuel	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
21	Mr. Y. G. Kamble, R. P. Kulkarni	NA	A Review paper on: Recent Trends in Manufacturing & Production Engineering	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA

22	Dr. S. S. Sarnobat, , Sudarshan Mohite, Mr. M. J. Patil	NA	Implementation of Lean tools Using Value Stream Mapping	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
23	Nitin V Mane	NA	Banana Ripeness Assessment by Impedance Spectroscopy	<u>IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI)</u>	SEP 2017	978-1-5386-0814-2
24	Mrs. Smita Pataskar	NA	Applying Six Sigma Principles in Construction Industry for Quality Improvement	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
25	Mr. M. N.Mathapatti	NA	Standard Operating Procedures for Compactor Assembly	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
26	Mr. Y. G. Kamble, Mr. A. S. Tople	NA	A review paper on Implementaion of Lean Manufacturing	Recent Trends in Manufacturing & Production Engineering	19-20-Dec-2017	NA
27	Deepali Gothawal	NA	Security Issues in IoT Layers And it applications : Review	International conference on Emerging Trends in Science Engineering Technology	May-18	NA
28	Pushkar thakur,Dhanashree Phalke	NA	Literature survey on Automatic emerging Service system	Proceedings of Inter National Conference on Advanced Technology and management	Feb-18	ISBN- 978-81-921768-9-5 ISBN-13: 978-9333217316

29	Mrs Smita Pataskar	NA	Teaching TQM in Civil Engineering	International Conference on Transforming Engineering Education 2017	Dec-17	ISBN-978-93-87317-59-8
30	Meenakshi Landge , Ramakant Ingle	NA	A Review of Code on building Irregularities for seismic analysis	International Conference on Emerging Technology in Structural Engineering	Mar-17	NA
31	Meenakshi Landge, Ramakant Ingle	NA	Awareness on Architectural Features over Structural Design for Seismic analysis	International Conference on Advances in construction Materials and structures	Mar-18	NA
32	Mr. Mukund Chaugule, Mr Sachin Mane	NA	Innovations in teaching Learning through small group discussion students Perspective	National synopsis on Innovation in Teaching Learning Process	Dec-18	NA
33	Ashwini Patil, Ashok more, Sandeep Shiyekar	NA	Think Pair share Pedagogy to improve student learning ability	National synopsis on Innovation in Teaching Learning Process	Dec-18	NA
34	Sachin Jambhale, Sachin Kumar, Sanjeev Kumar	NA	Review on joint Properties and Metallurgical analysis of Friction Stir spot Welded Joints	International Conference on Technology & trust	Dec-17	NA

35	Shrikant thorat , Rupesh Dugad,Sadaiah Mudigonda	NA	Design ,analysis and Manufacturing of Bare Metal Coronary Stent using PCM	Proceedings of Inter National Conference on Precision ,Meso Micro and Nano Engineering (COPEN 10)	Dec-17	NA
36	Sanjyot Godase, Trupti wagh	NA	Dynamic Spectrum allocation for Hybrid Accesss Cognitive Femtocell Network	IEEE International Conference on Information ,communication ,Instrumentation , and control (ICICIC -2017)	2017	NA
37	Gursimran singh kholi,Digvijay Dhamale,Sanjay Khaitri,Sayali mane	NA	Migration from IPv4 to IPv6	ICETSET-2018	2018	NA
38	Rachana Patil , Ms Dipalee Chaudhari	NA	Model Driven Patterns for Semantic Integration in CoT	cPGCON 2017	2018	NA
39	Shraddha Popat , Pramod Deshmukh	NA	Optimization of Document clustering using UNL Document Vector Generation and Swarm Intelligence	IEEE International conference	2017	NA
40	Shraddha Popat , Pramod Deshmukh	NA	Hierarchical document clustering based on cosine similarity measure	IEEE International conference	2017	NA

## B. Patents

Sr No	Name of Inventors	Patent/Copyright	Title of The Invention	Filed
1	Mr.Rahul B. Bhabale and Dr.Vijaykumar S. Jatti	Patent	Polyamide-Allumina-Titanium Dioxide: An Implantable Bio-Material	Published
2	Dr.Vijaykumar S. Jatti	Patent	Enhanced Productivity Aspects Of Electrical Discharge Machining Process By Cryo-Treating...Electrode	Published
3	Wabale Omkar Ashok, Tomarakash singh, Umesh singh	Patent	Flexible Diaphragm Based Wind Energy Extractor	Published
4	Prasanna Sham Gaikwad ShivamJaywantDhamanskar Ajay Kumar Pathak Deepak Kumar Sharma Dinesh Shivram SanlikaDhanajiKalkutaki	Patent	Design And Development Of The Electro-Magnetic Piston Engine	Published
5	Tanvi T. Chougale Suraj B. Rautrao, Vaibhav S. Deokar, Akshay V. Dengale, Vilas M. Dengle, Santosh Kumar Bawage	Patent	Compact Root Plant Harvester	Published
6	Rahul B. Dhabale and Dr.Vijaykumar S. Jatti	Patent	Licorice Root-Epoxy Resin-Copper Powder-Carbon Fiber:A Biomaterial	Published

7	P. Malathi, Ramitha Rajesh and TapobrathaDey	Patent	A Novel System For Image Denoising Using Frame Validation And Reconstruction	Published
8	Ilatwar Sunil Vitthalrao, Prof. GhogardareSwapnil Vijay	Patent	AC2PH (Auto checking of Chlorine and PH value of water)	Published
9	Ilatwar Sunil Vitthalrao, Prof. GhogardareSwapnil V.	Patent	NME System (Notification for money ending in ATM)	Published
10	Ilatwar Sunil Vitthalrao, MandootRajatAbhay, PawarDnyaneshwar Vilas	Patent	CIM Gear Drive Transmission (COM-BINE individual multiple gear drive)	Published
11	Ilatwar Sunil Vitthalrao, MandootRajatAbhay	Patent	“ECDA” System (Eccentric Chain Drive Adjuster System)	Published
12	Ilatwar Sunil Vitthalrao, Mandoot Rajat Abhay	Patent	“GPIS Disc Brake” (Guide Plate Inner sprocket Disc Brake)	Published
13	Ilatwar Sunil Vitthalrao, Langute Geetanjali Rajendra	Patent	“MSHC” (Motor cycle seat for human comfort)	Published
14	Ilatwar Sunil Vitthalrao, Mandoot Rajat Abhay	Patent	“ULAHW” System (Unbalance load avoider hydraulic wheel)	Published
15	Lahane Ravindra Sadashiv	Patent	“AGPCPE” (Analysis of gear pair contact to predict efficiency)	Published
16	Tapobratha Dey, Shylesha V Channapattana and Sharma Shubham Devender	Patent	Mini Wind Turbine for Lighting of Highways	Published

17	Rahul B. Dhabale and Dr. V. S. Jatti	Patent	Multi-Spindle Profile Friction Stir Welding Machine for Welding of Plastic Parts	Published
18	Dr. Kailash Shaw, Mr. Bhatambre Niket Wamanrao, Dr. P.Malathi, Dr. Sashikala Mishra, Dr. Kshama V Kulhalli	Patent	Fair Seat Allocation System and Passenger Security System in Public Transport	Published
19	Mrs. Rutuja A Deshmukh Dr.Ashish R.Panat Dr.Mrs.P.Malathi Dr.D.G.Khairnar	Patent	An Innovation In Interleaver With High Dimensional Encoding Using Hybrid Group Search Optimizer	Published
20	Mr. Prabhu Reddy	Patent	smart lighting & signalling system for efficient usage of battery power in vehicles	Published
21	PachiKumari Dr. D. G. Khairnar Dr. (Mrs.) P. Malathi Dr. Manish Sharma	Patent	Low computation complexity strategy for spectrum detection in cognitive radio networks using compres	
22	Ms. Dipalee A. Chaudhari, Dr. E Umamaheswari	Patent	Secure health care system	Published
23	Dr. Kailash Shaw, Mr. Bhatambre Niket Wamanrao, Dr. P.Malathi, Dr. Sashikala Mishra, Dr. Kshama V Kulhalli	Patent	Fair Seat Allocation System and Passenger Security System in Public Transport	Published

24	Dr. Kailash Shaw, Mr. Rahul Pawar, Dr. Sashikala Mishra, Suraj Kurde, Rahul Ghotekar	Patent	Mapping Larger Panoramic Image Through Multiple Drone	Published
25	Dr. Kailash Shaw Mr. Bhatambre Niket Wamanrao Dr. P.Malathi Dr. Sashikala Mishra Dr. Kshama V Kulhalli	Patent	Fair seat allocation system and passenger security system in public transport	Published
26	Mr. Prabhu Raddy Mr. Bhatambre Niket Wamanrao	Patent	“Smart Lighting & Signaling System For Efficient Usage of Battery Power in Vehicles”	Published

### C. Funded projects

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Malware Detection in Android Phone	Dr.M.A.Potey, Mr. Rahul Pawar	Computer Department , IT Department	2016-2018	142000	2 Year	BCUD, SPPU, Pune	Government
Sponsoring United Parcel Service for Baja Team	Baja SAE -Team Preiators, D Y Patil College of Engineering akurdi, Pune	Mechanical Engineering	2018	1050000	1 Year	UPS	Non-Government
Production Internship				100000	1 Year	K K Nag Pvt. Ltd	Non-Government

	192000	6 Months	Thermax Ltd.	Non-Government
	300000	6 Months	Divgi Torq Transfer Systems Pvt. Ltd	Non-Government
	330000	6 Months	Kores India Ltd.	Non-Government
	180000	6 Months	Atlas Copco India Ltd.	Non-Government
	510000	6 Months	Godrej & Boyce Mfg. Co. Pvt. Ltd.	Non-Government
	192000	6 Months	Forbes Marshall Pvt. Ltd.	Non-Government
	66000	6 Months	GSD Metallurgy Labs	Non-Government
	36000	6 Months	Modern Packaging Pvt. Ltd.	Non-Government
	66000	6 Months	MSM Solutions Pvt.	Non-Government

			Ltd. Bhosari	
	24000	6 Months	Shapers India Pvt. Ltd.	Non- Government
	48000	6 Months	Shreyash Tools & Compon ents	Non- Government
	60000	6 Months	Techpro Systems	Non- Government
	72000	6 Months	Fabritek Solution s Pvt. Ltd.	Non- Government
	18000	6 Months	Dekson India Pvt. Ltd.	Non- Government
	30000	6 Months	Preciforg e Compon ents Pvt. Ltd.	Non- Government
	18000	6 Months	SAMS Enterpris es	Non- Government
	72000	6 Months	Siemens India Ltd	Non- Government
	180000	6 Months	SKF India Ltd.	Non- Government

				18000	6 Months	Sparklin e Pvt. Ltd.	Non- Government
Offer of Financial assistance under support to students for participating in competiiton abroad scheme during Financial Year 2018- 2049	Baja SAE -Team Preiators, D Y Patil College of Engineering akurdi, Pune	Mechanical Engineering	2018	1000000	6 Months	AICTE	Government

## 14. Faculty Achievement /Recognition

Sr No	Name of Teacher	Name of Body	Year / Duration
1.	Dr. Preeti Patil	Subject Chairman – SPPU, BoS IT	2017-18
2.	Dr. A.J. Patankar	Subject Chairman – SPPU, BoS IT	2015-16
3.	Dr. K.D.Bamane	Subject Chairman BoS- IT	2015-16
4.	Mrs, Amita Jajoo	Subject Chairman – SPPU, BoS IT	2017-18
5.	Dr. Preeti Patil	SPPU Paper setter	2017-18
6.	Dr. A.J. Patankar	SPPU Paper setter	2002-03
7.	Dr. Kalyan Bamane	SPPU Paper setter	2013 -14
8.	Mrs. Amita Jajoo	SPPU Paper setter	2017-18
9.	Mrs Smita. V. Pataskar	BOS member of MIT-ADT University	12/1/2016
10.	Mrs Smita. V. Pataskar	Subject chairman for UG and PG (C & M), SPPU	1998
11.	Mr. Sudhanshu Pathak	Paper setter SPPU (UG&PG)	2016
12.	Mr. Sudhanshu Pathak	Subject Chairman SPPU (UG&PG)	2016
13.	Dr. Sachin Mane	Paper setter SPPU (UG&PG)	2010
14.	Mrs. N.S.Patil	SPoC Infosys Campus Connect	2015
15.	Dr Ashok B More	Secretary and SMC Member	2008
16.	Dr Ashok B More	BOS Bharati Vidyapeeth Deemed University	2008
17.	Dr Ashok B More	Research Coordinator ICOER SPPU	2011
18.	Dr Ashok B More	Member FAE NABET Govt of India	2011