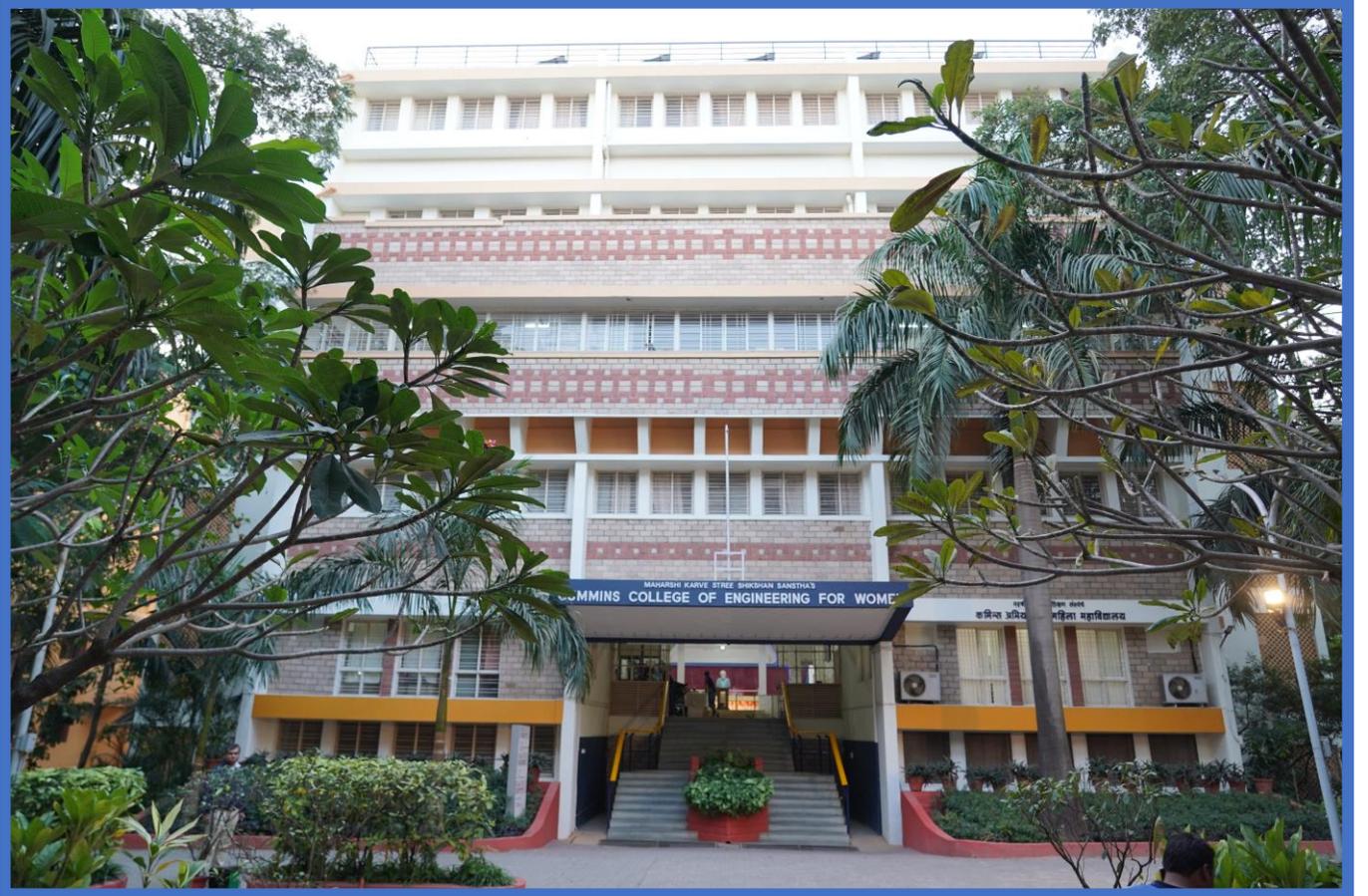


# ANNUAL ACTIVITIES REPORT

## AY 2017-18



## **Maharshi Karve Stree Shikshan Samstha's Cummins College of Engineering for Women, Pune**

**(An Autonomous Institute affiliated to Savitribai Phule Pune University)**

**MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S  
CUMMINS COLLEGE OF ENGINEERING FOR WOMEN  
KARVE NAGAR, PUNE 411052**

**ANNUAL ACTIVITY REPORT  
ACADEMIC YEAR: 2017-18**

**INDEX**

<b>Sr. No.</b>	<b>Content</b>	<b>Page No.</b>
1	Governing Body	2 - 3
2	CDC	4
3	Academic Council	5
4	IQAC	6
5	Academics (Programs and intake) and Enrolment of First Year Students	7
6	Summary of Graduating Students	8
7	Student Achievements	9
8	Student Co-curricular and Extra Curricular Activities including clubs	10 - 30
9	NSS Activities	31
10	Training and Placement	32 - 33
11	Industry Interaction (MoU)	34
12	Alumnae Activities	35
13	Library	36
14	Professional Development Activities for staff	37 - 46
15	Research and Development (List of Publications, patents, funded projects, consultancy etc.)	47 - 59
16	Faculty Achievements	60

**MAHARSHI KARVE STREE SHIKSHAN SAMSTHA'S  
CUMMINS COLLEGE OF ENGINEERING FOR WOMEN  
KARVENAGAR, PUNE 411052**

**ANNUAL ACTIVITY REPORT  
ACADEMIC YEAR: 2017-18**

**Vision:**

To be globally renowned institute for imparting quality education and to develop women leaders in engineering and technology.

**Mission:**

To develop women professionals who are academically and technically competent with strong professional ethics.

**1] Members of Governing Body 2017-18**

1	Mr. Promoad Gorhe Chairman, MKSSS	Chairman, Management Committee of Maharshi Karve Stree Shikshan Samstha (MKSSS)
2	Mr. Anant Talaulicar Vice President - Cummins Inc. Chairman & Managing Director, Cummins Group India	Member - Industrialist Nominated by the Management of MKSSS
3	Dr. Arpana Beniwal Vivekanand College New Delhi	University Grant Commission (UGC) Nominee
4	Dr. V.B. Gaikwad Director, BCUD, SPPU	Nominee of Savitribai Phule Pune University
5	Dr. G.T. Thampi, Principal Thadomal Sahani College of Engineering, Mumbai.	Nominated by concerned Regional Committee as nominee of the Council, out of the panel approved by the Chairman of AICTE.
6	Dr. Abhay E. Wagh Director, DTE, Mumbai	State Government Nominee (Ex-Officio)
7	Prof. N.D. Patil Vice Chairman, MKSSS	Member – Nominated by MKSSS
8	Mr. Jayant Inamdar	Member – Nominated by MKSSS

	Management Committee Member, MKSSS	
9	Mr. Rajendra Jog Management Committee Member, MKSSS	Member – Nominated by MKSSS
10	Dr. P.V.S. Shastry Secretary, MKSSS	Member – Nominated by MKSSS
11	Mr. Udayan Vithal Phadke Scan Electronics Systems Pune	Member - Entrepreneur
12	Dr. Ravindra Ingle Dean Academics	Member
13	Prof. Ashutosh Muchrikar Dean Students Affair & Alumnae	Member
14	Dr. Madhuri Khambete Director, CCOEW	Member – Secretary MKSSS's Cummins College of Engineering for Women

## 2] Members of College Development Committee

SN	Name	Affiliation
1	Mr. Promoad Gorhe	Chairperson of the Management MKSSS's Cummins College of Engineering for Women
2	Prof. N.D. Patil	Local Members Nominated by the Management in the field of Education / Industry / Research / Social Service
3	Mr. Jayant Inamdar	
4	Mr. Rajendra Jog	
5	Mr. Vilas Potdar	
6	Dr. P.V.S. Shastry	Secretary of the Management (MKSSS)
7	Dr. Supriya Kelkar	Representative elective among women
8	Dr. Ajit Bhosale	Three Elected Teachers
9	Dr. Vikram Athalye	
10	Dr. Atul Joshi	
11	Mr. Sangram Dalvi	Elected Nonteaching Employee
12	Miss. Aishwarya Landekar	Cultural Secretary
13	Miss. Sakshi Patil	Treasurer
14	Dr. Madhuri Khambete	Principal of the College - Member Secretary

### 3] Members of Academic Council 2017-18

1	<b>Dr. Madhuri Khambete</b> Director, MKSSS's Cummins College	<b>Chairman</b>
2	<b>Dr. Varsha Patil</b> Matoshree Education Society's Matoshree College of Engineering & Research Centre At Post: Eklahare, Dist: Nashik-423 005.	Three nominees of the Savitribai Phule Pune University nominees
3	<b>Dr. B.S. Karkare</b> Vishwakarma Institute of Information Technology, S.N. 3&4, Kondhwa (Bk), Pune	
4	<b>Dr. Kalyani Joshi</b> Principal, Progressive Education Society's Modern College of Engineering, Pune.	
5	<b>Dr. Vikram Gadre</b> Professor, IIT, Bombay.	Governing Body Nominees
6	<b>Dr. Anuradda Ganesh</b> Director, Research & Innovation Ex-Professor, IIT Bombay, Cummins Technologies India Ltd. Pune	
7	<b>Mr. Datta Kuvalekar</b> Director- Technology & Engineering Forbes Marshall Ltd. Pune	
8	<b>Dr. Sachin Lodha</b> Principal Scientist, TCS (TRDDC), Hadapsar, Pune	
9	<b>Prof. A.N. Muchrikar</b>	Four teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college.
10	<b>Dr. Sunita Jahirabadkar</b>	
11	<b>Dr. Vikram Athalye</b>	
12	<b>Dr. Anita Patil</b>	
13	<b>Dr. Prachi Mukherji</b>	Chairman, BoS, Electronics & Telecommunications
14	<b>Dr. Supriya Kelkar</b>	Chairman, BoS, Computer Engineering
15	<b>Dr. Anagha Panditrao</b>	Chairman, BoS, Instrumentation & Control
16	<b>Dr. Anagha Kulkarni</b>	Chairman, BoS, Information Technology
17	<b>Dr. Ajit Bhosale</b>	Chairman, BoS, Mechanical Engineering
18	<b>Dr. Madhuri Purandare</b>	Chairman, BoS, Basic Sciences & Humanities
19	<b>Dr. Ravindra Ingle</b> Dean Academics	A faculty member nominated by the Principal ( <b>Member Secretary</b> )

#### 4] Members of Internal Quality Assurance Cell

SN	Post	Name	Designation
1	Chairperson	Dr. Madhuri Khambete	Principal
2	Administrative Officers	Ms. Revat Gore	Registrar
		Mr. Prashant Vaichal	Office Superintendent
3	Teachers	Dr. Ravindra Ingle	Dean, Academics
		Prof. A.N. Muchrikar	Dean, Student Affairs & Alumnae
		Dr. Ajit Bhosale	Dean, Examination
		Dr.Sunita Jahirabadkar	Dean, Research & Development
		Dr. Prachi Mukherji	HoD, E&TC
		Dr. Supriya Kelkar	HoD, Computer Engg.
		Dr. Anagha Panditrao	HoD, Instru. & Control
		Dr. Anagha Kulkarni	HoD, Info. Tech.
4	Member from Management	Dr.Madhuri Purandare	HoD, Basic Sciences & Humanities
		Mr. Promoad Gorhe	Chairman, Management Committee of MKSSS
		Mr. Rajendra Jog	Member, Management Committee of MKSSS
5	Nominee from Student	Dr. P.V.S. Shastry	Secretary, Management Committee of MKSSS
		Miss. Urja Deshpande	Operations Secretary
	Nominee from Alumnae	Miss. Aishwarya Landekar	Cultural Secretary
		Mrs. Preeti Nagarkar	<u>Axonet-emsys</u>
	Nominees from Employers / Industrialists	Mrs. Sudhakshina Girish	Wiksate
		Mr. C'. Shekhar Dhamankar	Forbes Marshall
Stake Holder & Community Representative	Dr. Uday Khedkar	Professor, IIT Bombay	
6	Coordinator	Dr. Vikram Athalye	Dean, Quality Assurance

## 5] Academics (Programmes and intake) and Enrolment of First Year Students –

The college offers five undergraduate programmes (B.Tech.) in Electronics & telecommunication, Computer engineering, Instrumentation & control engineering, Information technology and Mechanical engineering with total intake of 540 students along with three post-graduate courses (M.Tech.) in E&TC - Artificial Intelligence, Instru – Automation and Mechanical Engineering Design with total intake of 66 students. In A.Y. 2017-18 total students admitted for B.Tech. Courses and for M.Tech. Courses as given in below table.

<b>Programme name</b>	<b>Programme Code</b>	<b>Number of seats sanctioned</b>	<b>Number of Students admitted</b>
B Tech. Electronics and Telecommunication	EC	180	168
B. Tech Computer Engineering	CE	180	188
B. Tech Instrumentation and Control Engineering	IN	60	44
B. Tech Information Technology	IT	60	65
B. Tech. Mechanical Engineering	ME	60	63
M. Tech. E&TC - Artificial Intelligence	ECAI	18	12
M. Tech. Instru - Automation	INA	18	5
M. Tech. Mech - Mechanical Engineering Design	MED	30	23
		<b>606</b>	<b>568</b>

## 6] Summary of Graduating Students passing

Following is the summary of students graduating from all departments with passing details.

	Total Number of Students	First class with distinction	First Class	Higher Second Class	Fail
Final Year BTECH MECH	73	55	14	1	3
Final Year BTECH INSTRU	65	42	17	4	2
Final Year BTECH IT	67	44	12	2	9
Final Year BTECH COMP	226	181	36	6	3
Final Year BTECH E&TC	214	163	32	5	14

## 7] Student Achievements

Program toppers i.e. UG students with the highest CGPA in each program received 'Cummins Meritorious student award'. The award is in the form of Rs.10, 000/- cash.

Recipients of 'Cummins Meritorious student award'. For the 2017-18 are

1. Ankita Pawar (E&T/C)
2. Latika Sarna (COMP)
3. Rashmi Atre (Instru)
4. Mohini Patil (IT)
5. Anuja Arthekar (Mech)
6. Ashwini Pampatwar (Sports)

### Cummins - Excellence Award for Best Outgoing Student

Final year outgoing students from each department is selected for this Award. Academic performance, achievements in co-curricular / extra-curricular activities, peer group feedback & teachers' feedback are the Criteria for the Best Outgoing. The award is in the form of Rs.10, 000/- cash.

Recipients of 'Cummins excellence award'. For the 2017-18 are

1. Shruti Limaye (E & T/C)
2. Mamta Shelke (Comp)
3. Rashmi Atre (Instru)
4. Vaidehi Patel (I.T.)
5. Deepti Gananaseelan (Mech)

- ☐ Every year students are selected for Cummins Fellowship Program at Purdue University for Master's Degree. The program allows the sponsorship of two students each year for master's degree in Mechanical Engineering at Mechanical Engineering School, Purdue University. This year Vaishnavi Radkar, Nidhi Sakhala and Pooja Patil were selected for Purdue program.

## 8] Student Co-curricular and Extra Curricular Activities

College encourages students to participate in various state, national and international level competitions, workshops, conferences. Our students show remarkable performance in these co-curricular events. To mention important achievements in various co-curricular activities this year are as follows

### Workshops Attended by students:

Sr. No .	Name of the Student	Name of workshop	Level	Date	Organizer
1	Shreya Vij	PTC advanced IOT workshop	State	16-17th Sept.2017	COEP, Pune
2	Siddhi Pawde	PTC advanced IOT workshop	State	16-17th Sept.2017	COEP, Pune
3	Satparna Paul	PTC advanced IOT workshop	State	16-17th Sept.2017	COEP, Pune
4	Apeksha Lawand	PTC advanced IOT workshop	State	16-17th Sept.2017	COEP, Pune
5	Pooja Kadam	3 days workshop on Verilog HDL	College	21-23rd July 2017	PICT College Pune
6	Pranjal Gunjal	Linux Workshop	National	2018	MIT, Pune
7	Varda Telsinge	Linux Workshop	National	2018	MIT, Pune
8	Mohini Khare	Linux Workshop	National	2018	MIT, Pune
9	Gargi Deshpande	Networking Workshop	National	5 Jan 2018	VIIT, Pune

10	Hiteshi Aglawe	Ethical Hacking Workshop	National	2017	IIT, Mumbai
11	Rasika Kadam	PLC Workshop	National	2018	VIT, Pune
12	Bhavika Karkare	PLC Workshop	National	2018	VIT, Pune
13	Mayuri Kshirsagar	PLC Workshop	National	2018	VIT, Pune
14	Unnati Wadke	PLC Workshop	National	2018	VIT, Pune
15	Amruta Pawar	PLC Workshop	National	2018	VIT, Pune
16	Nikita Bolbhat	PLC Workshop	National	2018	VIT, Pune
17	Ketki Kshirsagar	PLC Workshop	National	2018	VIT, Pune
18	Pratiksha Lokhnde	PLC Workshop	National	2018	VIT, Pune
19	Laxmi Munot	PLC Workshop	National	2018	VIT, Pune
20	Abhilasha Salunke	PLC Workshop	National	2018	VIT, Pune
21	Ashvini Markande	PLC Workshop	National	2018	VIT, Pune
22	Snehal Misal	PLC Workshop	National	2018	VIT, Pune
23	Manisha Mundada	PLC Workshop	National	2018	VIT, Pune

24	Ketki Date	Workshop on HYPERMES H	National	24-25 Feb 2018	MIT, Pune
25	Prajakta Sudrik	Workshop on HYPERMSH	National	24-25 Feb 2018	MIT, Pune
26	Apurva Dhokey	PTC CREO Workshop	National	16-17 Sept 2017	COEP
27	Sayali Mahajan	PTC CREO Workshop	National	16-17 Sept 2017	COEP
28	Snehal Bhanvar	PTC CREO Workshop	National	16-17 Sept 2017	COEP
29	Aditi Korabu	PTC CREO Workshop	National	16-17 Sept 2017	COEP
30	Rutuja Badave	Racecar Designing workshop	National	1-3 Sept 2017	MIT, Pune

**Student participation/ winners in various competitions:**

<b>S N</b>	<b>Name of the Student</b>	<b>Competition Title</b>	<b>Level</b>	<b>Date</b>	<b>Organizer</b>	<b>Participation / winners</b>
1	Tanvi Pardhi	Alarcity-2018 Game of Circuits Runner up	Inter college	20 February 2018	AISSMS IOIT	Winner(2nd)
2	Kanchan Waghchawre	Alarcity-2018 Game of Circuits Runner up	Inter college	20 February 2018	AISSMS IOIT	Winner(2nd)
3	Shabnam Shaikh	Peace Ambassador 2016	International	2018	Lila Poonawala Foundation, The ASHA Centre	Peace Ambassador
4	Aditi Gaikwad	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner

5	Prajakta Gosavi	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
6	Pallavi Deshmukh	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
7	Anuja Apte	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
8	Ketki Date	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
9	Prajakta Sudrik	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
10	Rutuja Waskar	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
11	Hemangi Patil	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
12	Shivani Rajopadhye	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
13	Poorva Joshi	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
14	Shraddha Chavan	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
15	Anuja Sangwai	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
16	Komal Salgar	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
17	Shwetali Bhandari	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
18	Snehal Dhokle	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner

19	Madhura Kunte	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
20	Ankita Nandgaonkar	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
21	Tamanna Pattharwala	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
22	Preshita Mandekar	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
23	Shubhada Desai	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
24	Praniata Bhadale	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
25	Radheshree Ingle	BAJA 2018	National	23 & 24 Apr 2018	SAE India	Winner
26	Ketki Date	Virtual Baja	National	14-15 July 2017	SAE India	Participation
27	Prajakta Sudrik	Virtual Baja	National	14-15 July 2018	SAE India	Participation
28	Shubhada Desai	Virtual Baja	National	14-15 July 2019	SAE India	Participation
29	Snehal Dhokle	Virtual Baja	National	14-15 July 2020	SAE India	Participation
30	Pooja Tambolkar	ROBOCAN 2018	National	23 & 24 Apr 2018	MIT, Pune	Participation
31	Vrushali Mulay	ROBOCAN 2018	National	23 & 24 Apr 2018	MIT, Pune	Participation
32	Sonali Mali	Pulzion 17	National	Mar 2018	PICT	Participation
33	Manisha	Technical	National	15	IOIT, Pune	Winner

	Mundada	Paper presentation Contest 2018		February 2018	and ISA, Pune Sect.	
34	Manisha Mundada	Project Competition on Internet of Things	State	13 January 2018	VIT, Pune and ISA, Pune Sect.	Winner
35	Vaidehi Pawar	State Level Project Competition	State	05 April 2018	VIT, Pune and ISA, Pune Sect.	Winner
36	Ameya Manure	Project Competition	State	05 April 2018	VIT, Pune and ISA, Pune Sect.	Winner
37	Vijaya Likhita Poolla	Project Competition	State	05 April 2018	VIT, Pune and ISA, Pune Sect.	Winner
38	Ayushi Naphade	Smart India Hackathon, 2018 [Team Cipher]	National	March 2018	AICTE	Winner
39	Komal Amrutkar	Smart India Hackathon, 2018 [Team Cipher]	National	March 2018	AICTE	Winner
40	Soha Parasnis	Smart India Hackathon, 2018 [Team Cipher]	National	March 2018	AICTE	Winner
41	Shreya Bhat	Smart India Hackathon, 2018 [Team Cipher]	National	March 2018	AICTE	Winner
42	Anamika Bihade	Smart India Hackathon, 2018 [Team Cipher]	National	March 2018	AICTE	Winner
43	Namrata Mahankal	Smart India Hackathon, 2018 [Team Cipher]	National	March 2018	AICTE	Winner

44	Namrata Jain	SHODH-2018	State	27th March 2018	Modern Education society's College of engineering, Pune	Winner
45	Aishwarya Soma	SHODH-2018	State	27th March 2018	Modern Education society's College of engineering, Pune	Winner
46	Apurva Belhekar	SHODH-2018	State	27th March 2018	Modern Education society's College of engineering, Pune	Winner
47	Nishigandha Bhad	SHODH-2018	State	27th March 2018	Modern Education society's College of engineering, Pune	Winner
48	Jagtap Nikita	Android app development	State level	Feb 2018	JSPM ,pune	winner
49	Manali Kale	Clone war	State level	Feb 2018	BVCOEW	winner
50	Ruchita Kshirsagar	Clone war	State level	Feb 2018	BVCOEW	winner
51	Shivani Kadam	Codechef[Pune Coding League]	State level	January 2018	PCCOE,acm	participation
52	Prachi Shinde	Codechef[Pune Coding League]	State level	January 2018	PCCOE,acm	participation

53	Sakshi Pophle	Codechef[Pune Coding League]	State level	January 2018	PCCOE,acm	participation
54	Aishwarya Paithankar	The MUN - New silk way-Conference	International	23-24 Feb 2018	BNCA,Pune	Honorable Mention award
55	Prajakta Phadke	The MUN - New silk way-Conference	International	23-24 Feb 2018	BNCA,Pune	Honorable Mention award

### Students Publications in Conferences/Journals:

Students are always encouraged to publish their work which they do in their projects. Following is a list of prominent research papers published by our students in various conferences/ Journals.

List of publications:

Sr. No.	Name of the Student	Paper Title	Name of the Conference/Journal	Date of Event	Name of organizer/ Publisher
1	Ankita Sanjay Moholkar	Statistical Based Approach for Packet Classification	International Journal of Computer & Mathematical Sciences, Vol.6, Issue.11	12 November 2017	Academic Science
2	Devashree C.Limaye	Statistical Based Approach for Packet Classification	International Journal of Computer & Mathematical Sciences, Vol.6, Issue.11	12 November 2017	Academic Science

3	Sagarika S.Limaye	Statistical Based Approach for Packet Classification	International Journal of Computer & Mathematical Sciences, Vol.6, Issue.11	12 November 2017	Academic Science
4	Rupali Dange	Survey on Web Based Aplication for Surgical Distributor	International Journal for scientific research & developement ,VOLUME 5,ISSUE 12	February 2018	IJSRD
5	Snehal Dhiwar	Survey on Web Based Aplication for Surgical Distributor	International Journal for scientific research & developement ,VOLUME 5,ISSUE 12	February 2018	IJSRD
6	Prajakta Gaikwad	Survey on Web Based Aplication for Surgical Distributor	International Journal for scientific research & developement ,VOLUME 5,ISSUE 12	February 2018	IJSRD
7	Shubhangi Gadadare	Survey on Web Based Aplication for Surgical Distributor	International Journal for scientific research & developement ,VOLUME 5,ISSUE 12	February 2018	IJSRD
8	Dhritisha Sarkar	Methodology and System Design of Seat Distribution Matrix for admission to Professional Courses	International Journal of Innovative Science and Research Technology(IJSRT ) Vol. 3 Issue 4	April 2018	IJSRT

9	Sejal Bane	Methodology and System Design of Seat Distribution Matrix for admission to Professional Courses	International Journal of Innovative Science and Research Technology(IJISRT ) Vol. 3 Issue 4	April 2018	IJISRT
10	Shruti Yadav	Methodology and System Design of Seat Distribution Matrix for admission to Professional Courses	International Journal of Innovative Science and Research Technology(IJISRT ) Vol. 3 Issue 4	April 2018	IJISRT
11	Apoorva Lonkar	Methodology and System Design of Seat Distribution Matrix for admission to Professional Courses	International Journal of Innovative Science and Research Technology(IJISRT ) Vol. 3 Issue 4	April 2018	IJISRT
12	Aarti Bhosale	Use of Data Mining Techniques for Forecasting fuel Price	International Journal for scientific research & developement VOLUME 5,ISSUE 12	February 2018	IJSRD
13	Arundhati Gaikwad	Use of Data Mining Techniques for Forecasting fuel Price	International Journal for scientific research & developement VOLUME 5,ISSUE 12	February 2018	IJSRD
14	Mrunmaye Adsul	Use of Data Mining Techniques for Forecasting fuel Price	International Journal for scientific research & developement VOLUME 5,ISSUE 12	February 2018	IJSRD

15	Pooja Shinde	Use of Data Mining Techniques for Forecasting fuel Price	International Journal for scientific research & developement VOLUME 5,ISSUE 12	February 2018	IJSRD
16	Nishigandha Bhad	Review on Precision Farming A Modern Technique for Crop Yield Enhancement	International Journal of Engineering Technology Science and Research,,Volume 4, Issue 10	Octobor 2017	IJETSR
17	Namrata Jain	Review on Precision Farming A Modern Technique for Crop Yield Enhancement	International Journal of Engineering Technology Science and Research,,Volume 4, Issue 10	Octobor 2017	IJETSR
18	Apurva Belhekar	Review on Precision Farming A Modern Technique for Crop Yield Enhancement	International Journal of Engineering Technology Science and Research,,Volume 4, Issue 10	Octobor 2017	IJETSR
19	Aishwarya Soma	Review on Precision Farming A Modern Technique for Crop Yield Enhancement	International Journal of Engineering Technology Science and Research,,Volume 4, Issue 10	Octobor 2017	IJETSR
20	Mansi Malhotra	An Insight into Performance and Security Bugs in IOT Operating Systems a literature Review	International Journal of Engineering Technology Science and Research( IJETSR),Vol. 4, Issue 7	July 2017	IJETSR

21	Shagun Sengupta	Theory on Presence of Anti-Gravitational Field	International Journal of Science and Research, Vol.7, Issue 1.	January 2018	IJSR
22	Ira Natu	Text Translation from Hindi to English	International Conference on Advances in Computing and Data Sciences	2018	Springer Nature
23	Sahasra Iyer	Text Translation from Hindi to English	International Conference on Advances in Computing and Data Sciences	2018	Springer Nature
24	Kajol Patil	Text Translation from Hindi to English	International Conference on Advances in Computing and Data Sciences	2018	Springer Nature
25	Pooja Patil	Text Translation from Hindi to English	International Conference on Advances in Computing and Data Sciences	2018	Springer Nature

## Professional Society Activities: Student Chapter

### 1. IEEE (Institute of Electrical and Electronics Engineers) Students' Branch:

Various technical and non-technical activities are conducted under the IEEE student branch. The activities include workshops, industrial visits, guest lectures, webinars, panel discussion, competitions etc. Through these activities, students get exposure to recent trends in the technological field as well as they get the opportunity to work for the society which helps in overall development of the students.

	Activity	
1	Guest Lectures/ Webinars	Higher Studies Interview Techniques Project Management Basics
		Higher Studies Interview Techniques Project Management Basics
		Higher Studies Interview Techniques Project Management Basics
2	Workshops	Image and Video Processing using Matlab
3	Competition	Technoquiz –Technical Quiz
4	Industrial Visits	Avaya India Pvt.Ltd. , Pune

### 2. ASME (American Society of Mechanical Engineers) Cummins Student Section:

The section includes student members from core engineering branches of Mechanical, Electronics and Telecommunication, and Instrumentation. A number of events and activities including guest lectures, workshops, and competitions, industrial visits that help students in their professional development and update them with the current trends in technology are organized by the section. It is unique and one of the broadest knowledge-sharing platforms for students of Mechanical and non-Mechanical Engineering.

Sr. No.	Activity
1	Guest Lecture Rn Role Of Women In Armed Forces
2	Guest Lecture on Satellite launch Vehicle
3	Visit to National Defense Academy, Pune
4	Mechathon Competition
5	Guest lecture on the role of Engineer
6	Guest lecture on recent technologies in Artillery Gun systems

### 3. CSI Student's Chapter:

CSI is an active national organization which stands on the strength of technically sound professionals and students. CSI offers seminars, workshops and technical events on ongoing trends. On this wonderful platform students organize and display the organizational skills and interact with technocrats in a way giving them a versatile exposure.

Sr. No.	Activity
1	Importance of Higher education and Computer literacy
2	Mini Project competition

#### 4. SWE (Society of Women Engineers) CCEW Affiliate:

SWE CCEW aims at the overall development of a student by organizing events for mentorship, networking, finance, self-learning, and many more. SWE conducts outreach events to promote STEM education in young passionate minds.

Sr. No.	Activity
1	Talk on 'Professional Ethics and Etiquettes'
2	Mentorship Program
3	Talk on 'Professionalism'

#### 5. ISA (International Society of Automation) Student Chapter:

ISA is the professional home for engineers, technicians, leaders and students engaged in industrial automation.

Sr. No.	Activity
1	Hands On Workshop on Water Buzz Product Development
2	Tech Talk on "Job Opportunities with IIOT"
3	Lecture on "Challenge of Measurements- SI Units"

#### 6. ACM-W Student chapter, CCEW

ACM-W aims to support, celebrate and advocate internationally for the full engagement of women in all aspects of the computing field. The focus of ACM-W is to inspire, motivate and encourage women to join the field of computing and eventually sustain and grow in the profession. Through its various activities, the organization facilitates the progress of women in computing-related work and education.

The activities conducted this year are as follows

Sr. No.	Professional societies/ chapters and organizing engineering events	Date	Resource Person / Organization/Participation	Participation
1	Session on "Software Testing and Career"	25th Sep 2017	Mr. Prasad Satkar, Senior Director – Operations with SQS India Infosystems Pvt Ltd.	All students of computer department

## Students Clubs:

### Entrepreneurship cell:

- To promote entrepreneurship and self-reliance among our students, we have developed a conducive environment with various initiatives related to entrepreneurship
- Following events/ activities were organized this year

	Activity/ Event	Date	No. of Participants
1	<b>Mastering learnwise</b>	<b>27<sup>th</sup> Oct 2017</b>	3
2	<b>Think out of box</b>	<b>7<sup>th</sup> Oct 2017</b>	14
3	Entrepreneurship Awareness Camp	<b>27<sup>th</sup> to 29<sup>th</sup> Dec 2017</b>	100

- Details of sports and cultural events / competitions organised by the institution and participated:**

## Sports Activities:

Our college students participate in different inter college events and also represent our university zonal inter-university sport events.

This year our students participated in an intercollege sport competition organized by SPPU in different events as mentioned below.

- Remarkable achievements of our students**

S N	Name of the Student	Competition Title	Name of the Sport	Level	Date	Organizer	Winner
1	Pradnya Mundargi	Zest 2018	Basketball	National	2018	COEP, Pune	Winner (First)
2	Rucha Mehta	Zest 2018	Cricket (Box)	National	2018	COEP, Pune	Winner (First)
3	Rucha Mehta	Zest 2018	Cricket (Field)	National	2018	COEP, Pune	Winner (First)
4	Hemakshi Thorat	Pune City zonal Sports	Kho-Kho	Intercollege	2018	SPPU	Winner (Second)
5	Hemakshi Thorat	Melange 18	Kho-Kho	Intercollege	2018	VIT Pune	Winner (Second)
6	Gidwani Pranali	Pune City zonal Sports	Kho-Kho	Intercollege	2018	SPPU	Winner (Second)

7	Rutuja Ghorpade	Pune City zonal Sports	Football	Intercollege	2018	SPPU	Winner (First)
8	Rutuja Ghorpade	MIT-WPU Summit	Football	National	14-18 Sept 2017	MIT WPU	Winner (First)
9	Pradnya Mundargi	ZEST 18	Basketball	National	2018	COEP,Pune	Winner (First)
10	Chaitali Handrale	PACE 2K18	Football	Intercollege	2018	AIT Pune	Winner (First)
11	Chaitali Handrale	Pune City zonal Sports	Football	Intercollege	2017-18	SPPU	Winner (First)
12	Rachita Bagal	Pune City zonal Sports	Football	Intercollege	2017-18	SPPU	Winner (First)
13	Spruha Pingale	Pune City zonal Sports	Chess (W)	Intercollege	2017-18	SPPU	Winner (Second)
14	Spruha Pingale	ZEST 18	Chess (Relay)	National	2018	COEP,Pune	Winner (Second)
15	Spruha Pingale	ZEST 18	Chess (blitz)	National	2018	COEP,Pune	Winner (First)
16	Gauri Chaware	SUMMIT-17	Basketball (women)	National	14-18Sept. 2017	MIT,Pune	Winner (Highest Scorer)
17	Minal Gupta	SUMMIT-17	Volleyball(women)	National	14-18Sept. 2017	MIT,Pune	Winner (Best Lifter)
18	Devika Kale	SUMMIT-17	Football(women)	National	14-18Sept. 2017	MIT,Pune	Winner (Best Player)
19	Radhika Kerur	SUMMIT-17	Volleyball(women)	National	14-18Sept. 2017	MIT,Pune	Winner (Best Player)
20	Geetanjali Sagar	MAHA AIR SQUADRON	NCC [Firing]	National	9-18 July 2017	NCC	winner (First)
21	Himangi Talashilkar	SUMMIT-17	(Table tennis ,women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
22	Shevi jain	SUMMIT-17	(Table tennis ,women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)

23	Udayani Jadhavrao	SUMMIT-17	Football(women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
24	Devika kale	SUMMIT-17	Football(women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
25	Minal Gupta	SUMMIT-17	Volleyball(women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
26	Sharvari Dongre	SUMMIT-17	Volleyball(women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
27	Radhika Kerur	SUMMIT-17	Volleyball (women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
28	Gauri Chaware	SUMMIT-17	Basketball(women)	National	14-18 Sept. 2017	MIT,Pune	Winner (First)
29	Udayani Jadhavrao	ZEST-18	Football	National	2018	COEP, Pune	Winner (Second)
30	Vidushi Mishra	Avhan [Volleyball]	Volleyball	National	29 March - 1 April 2018	IIT, Bombay	Winner (Second)
31	Apoorva Bhapkar	ZEST 18- [Triple Jump]	Triple Jump	National	2018	COEP, Pune	Winner (First)
32	Kranti Gangurde	ZEST 18- [Cricket 11A]	Cricket	National	2018	COEP, Pune	Winner (First)
33	Sakshi Patil	ZEST 18- [Cricket]	Cricket	National	2018	COEP, Pune	Winner (First)
34	Apoorva Bhapkar	ZEST 18- [Long Jump]	Long Jump	National	2018	COEP, Pune	Winner (First)
35	Apoorva Bhapkar	ZEST 18- [100 mtr]	..	National	2018	COEP, Pune	Winner (Third)
36	Manasi Bendre	Melange 18 [Volleyball]	kho-kho	National	2018	VIT-,Pune	Winner (second)
37	Vidushi Mishra	Pace[Volleyball]	Volleyball	National	2018	AIT, Pune	Winner (First)
38	Mamta Shelke	Pune City Zonal Sports	Table tennis women Competition	Intercollege	2017-2018	SPPU	Winner (Third)

39	Himangi Talashilkar	Pune City Zonal Sports	Table tennis ,women Competition	Intercollege	2017-2018	SPPU	Winner (Third)
40	Udayani Jadhavrao	Pace 2018	Football	Intercollege	2018	Army Institute of Technology ,Pune	Winner (First)
41	Priyanka Shinde	Melange 18	kho-kho	Intercollege	2018	Vit,pune	Winner (Second)
42	Apoorva Bhapkar	Zest 2018 [Long Jump]	Long Jump	National	2018	College of engg. Pune	Winner (First)
43	Apoorva Bhapkar	Zest 2018 [Triple Jump]	Triple Jump	National	2018	College of engg. Pune	Winner (First)
44	Apoorva Bhapkar	Zest 2018 [100mtr running]	100mtr running	National	2018	College of engg. Pune	Winner (Third)
45	Purva Bhoir	Summit 2017	Basketball	National	14-18 sep 2017	MIT, Pune	Winner (First)
46	Purva Bhoir	Zest'18	Basketball	National	2018	COEP, Pune	Winner (First)
47	Purva Bhoir	SPPU & Pune City Zonal Sports	Basketball	Intercollege	2017-18	SPPU & Pune City Zonal Sports Committee	Winner (First)
48	Riya Jail	Summit 2017	Badminton (Women)	National	14 - 18September 2017	MIT-WPU	Winner (First)
49	Tejaswee Khare	ZEST'18	CRICKET	National	2018	COEP	Winner (First)
50	Rashmi Sonawane	ZEST'18	CRICKET(II A)	National	2018	COEP	Winner (First)
51	Anushka Mukherji	Zest 18	Basketball	National	2018	COEP, Pune	Winner (First)
52	Anushka Mukherji	SUMMIT 17	Basketball	National	14-18 Sept 2017	MIT, Pune	Winner (First)
53	Anushka Mukherji	Pune City zonal sports	Basketball	Intercollege	2018	SPPU	Winner (First)

54	Ankita Jadhav	MELANGE 18	Kho-Kho	Intercollege	2016-17	VIT,Pune	Winner (First)
55	Papiya Bhattacharya	Zest 18	Basketball	National	2018	COEP	Winner (First)
56	Anushka Mukherji	Flame Kurukshetra	Basketball	Intercollege	2018	Flame University	Winner (Second)
57	Jadhav Ankita	Pune City zonal sports	Kho-Kho	Intercollege	2018	SPPU	Winner (Second)
58	Rutuja Badave	MELANGE 18	Kho-Kho	Intercollege	2018	VIT,pune	Winner (Second)

□ **Cultural activities:**

Our students participate in various prestigious cultural competitions organized at state and intercollege level at individual level as well as in team events.

Sr. No.	Name of the Student	Competition Title	Level	Date	Organizer	Participation/ Winner
1	Tanvi Pardhi	Alarcity 18	National	20-23 Feb 2018	AISSMS, IOIT	Participation
2	Kanchan R.W	Alarcity 18	National	20-23 Feb 2018	AISSMS, IOIT	Participation
3	Divya Gugale	Alarcity 18	National	20-23 Feb 2018	AISSMS, IOIT	Participation
4	Bharatnatyam	National	2017	Nishrinkalaya Dance Academy	Winner (First)	Ashwini Bagad
5	Devika Deshmukh	Literature and Arts Fest CREON' 18 (POETIC A)	National	Feb 2018	MIT, Pune	Winner (First)
6	Devika Deshmukh	Literature and Arts Fest CREON' 18 (PENTHE PIC)	National	Feb 2018	MIT, Pune	Participation

7	Devika Deshmukh	Literature and Arts Fest CREON' 18 (PENTASTIC)	National	Feb 2018	MIT, Pune	Participation
8	Nehal Dhande	Bharatnatyam Exam	National	November 2017	Akhil Bharatiya Gandharva Mahavidyalaya Mandal, Mumbai	Participation
9	Mouni Pendharkar	'Sraavan' 2017	----	2017	Maharashtra Times	Winner( Best Groomed)
10	Poonam Pingale	Natyavishkar Mahotsav	----	2018	Miloon Saryajani	Participation
11	Manisha Chaudhari	Natyavishkar Mahotsav	----	2018	Miloon Saryajani	Participation

☐ **Other Activities:**

Sr. No	Name of the Student	Competition Title	Level	Date	Organizer	Participation
1	Netra Chandramohan	Tree Plantation	City	June-Dec.2017	Nelda Foundation	Participation
2	Sai Deshmukh	Tree Plantation	City	June-Dec.2017	Nelda Foundation	Participation
3	Spruha Pingale	Training for German language(A1)	--	21 July - 13Sept.2017	German Akademie, Pune	Participation
4	Priyanka Kharche	Training for German language (A1)	--	21 July - 13Sept.2017	German Akademie, Pune	Participation
5	Priyanka Kharche	Course for German language (A1)	International	15 September 2017	Goethe Institute	Participation

6	2017-18	Devika Deshmukh	Worked as Voluntee r at Shreeva sta	---	28 Nov 2017- 8 Jan 2018	SOFOSH
7	2017-18	Nehal Dhande	German Languag e Examina tion A2	Internation al	7 December 2017	Goethe Institute

## 9] NSS Activities:

The NSS unit of our college conducted various activities for our students, staff and society. Staff and students participated in these activities enthusiastically. List of the activities conducted this year are summarized below.

Sr. No.	Name of the activity	Date
1	Swatcha Swastha Bharat Pakhvda	9th August 2017
2	Street Play	21st September 2017
3	Global Handwash Day	15th October 2017
4	National Unity Day	31st October 2017
5	Tree Plantation	12th September 2017
6	Thyroid and Sugar Check-up camp	3rd January 2017
7	Special Winter Camp – Residential	5th January to 11th January 2018
8	Cleanliness Drive	31st January 2018
9	Guest Lecture on Traffic Rules and Regulations	15th February 2018
10	Blood Donation Camp	29th August 2017 and 28th February 2018
11	Eye Check-up camp	22nd March 2018

## 10] Training and Placement:

- The training and placement cell of our college plays an integral role in creating the illustrious placement record for the college.
- The cell not only ensures smooth functioning of the placement activities in the campus and virtually but also conducts training activities of the students in pursuing their career interests and also grooms and shapes the students to make them industry ready with necessary skills and training so that they get placements and internships in the best of the companies.
- The cell has very active collaborations with industry. More than 150 reputed National and Multinational companies do visit our institution for campus recruitments annually.
- These companies include IT companies such as Microsoft, Amazon, Cisco, Veritas, Persistent, Walmart, Western Digital, Fincorp companies such as Goldman Sachs, Deutsche bank, Well Fargo, Bank of America, RBL, service based companies such as Accenture, Infosys, TCS, Cognizant, Capgemini, Wipro, L & T info Tech, DXC Technology, Automobile companies such as Tata motors, Hero MotoCorp, Caterpillar, JCB, Michelin, Mahindra & Mahindra, Faurecia, manufacturing industries like Alstom, Honeywell, Emerson, Forbes Marshall, Thermax, Eaton, Tetra pack, Boeing, Exxon Mobile, Shell.

Branch	Enrolled	Placed	Percentage
E & T/C	215	132	61.40
COMP	227	158	69.60
Instrumentation	66	24	36.36
Information Tech.	67	44	65.67
Mechanical	73	49	67.12
Total	648	407	62.81

<b>Branch</b>	<b>No of Students Placed</b>	<b>No of Students Placed (%)</b>	<b>Max. Package in Lakhs</b>	<b>Min. Package in Lakhs</b>	<b>Average Package in Lakhs</b>	<b>No. of Company Visited</b>
<b>ENTC</b>	132	61.40	20	3	4.92	41
<b>Comp</b>	158	69.60	20	1.8	6.9	50
<b>Instru</b>	24	36.36	5.5	3.25	4.25	11
<b>IT</b>	44	65.67	30	3.18	7.32	50
<b>Mech</b>	49	67.12	8.25	3	5.17	22

### 11] Industry Interaction (MOU):

Our college has signed a MoU with the following mentioned industries and universities.

<b>Sr. No.</b>	<b>MoU sign with University/Industry</b>	<b>Date of MoU</b>	<b>Purpose</b>
1	Ansys	23/08/2017	Projects and setup of Nidhi Prayas Yojna
2	Department of Science & Technology (DST-Nidhi Prayas)	21/09/2017	Prayas Shala as common facility development for experimentation

## **12] Alumnae Association:**

College is proud of its alumni and their achievements, reputation established in industry and society. Over years, our alumnae have participated in various committees, college events, faculty interactions, guest sessions, and guidance to departments. These interactions also continued in 2017-18. An annual gathering of alumni was held in both 2017-18(07 Jan 2017 with more than 150 participants on average. Current students on campus and our faculty interacted with alumni during the annual alumni meet, experiences were shared. On the occasion of the 25th year of college, a global alumnus offline and virtual meet was organized on Jan 16th, 2016. A formal Dean Alumni Affairs also exists in college after autonomy started.

### 13] Library:

College library is well furnished with large no. of titles related to engineering courses, basic sciences and also titles for preparation of GRE, Tofil, MBA and many other competitive examinations. Ever year new titles are added as per the demand by faculty and students.

**The library has organized various activities for staff and students this year which are as follows—**

<b>Sr. No.</b>	<b>Activities</b>	<b>Participants</b>
1	23th September to 29th September 2017 - Book Quiz (First to Final Year Students)	48
2	16th February 2018 - Author Talk – Dr. Jayant Narlikar	153
3	27th February 2018 - Marathi Bhasha Gaurav Din – Marathi Book Exhibition	68

#### 14] Professional Development Activities for staff

FDP attended by Faculty:

<b>Name of teacher who attended the program</b>	<b>Title of the program</b>	<b>Duration (from) (DD-MM-YYYY)</b>	<b>Duration (to) (DD-MM-YYYY)</b>
<b>Prof.Manisha Jail</b>	<b>FDP101x: Foundation program in ICT for Education</b>	<b>3-8-17</b>	<b>7-9-17</b>
<b>Prof.Mrunal Mohorir</b>	<b>FDP101x: Foundation program in ICT for Education</b>	<b>3-8-17</b>	<b>7-9-17</b>
<b>Dr.Sharada N.Ohatkar</b>	<b>FDP201x: Pedagogy for Online and Blended Teaching-Learning Process</b>	<b>14-09-2017</b>	<b>12-10-2017</b>
<b>Dr.Sharada N.Ohatkar</b>	<b>FDP101x: Foundation Program in ICT for Education</b>	<b>3-8-2017</b>	<b>7-9-2017</b>
<b>Dr.Sharada N.Ohatkar</b>	<b>NPTEL certification Course “Outcome based pedagogic principles for effective teaching”</b>	<b>24-07-2017</b>	<b>18-08-2017</b>
<b>Dr. Anita Jain</b>	<b>NPTEL certification course on "Wireless and Cellular communication", IIT Chennai</b>	<b>1-7-2017</b>	<b>1-10-2017</b>
<b>Dr. Seema Rajput</b>	<b>NPTEL certification course on "Analog Circuits and Systems through SPICE Simulation", IIT Kharagpur</b>	<b>1-7-2017</b>	<b>1-10-2017</b>
<b>Dr. Ashwini Deshpande</b>	<b>FDP201x: Pedagogy for Online and Blended Teaching-Learning Process, IIT Bombay</b>	<b>14-09-2017</b>	<b>12-10-2017</b>
<b>Dr. Ashwini Deshpande</b>	<b>FDP101x: Foundation Program in ICT for Education, IIT Bombay</b>	<b>3-8-2017</b>	<b>7-9-2017</b>
<b>Dr. Ashwini Deshpande</b>	<b>NPTEL certification Course on “Outcome based pedagogic principles for effective teaching”, IIT Kharagpur</b>	<b>24-07-2017</b>	<b>18-08-2017</b>

<b>Dr. Ashwini Deshpande</b>	<b>Innovative research in Pedagogy for mini-MOOCs blended with instruction strategies to enhance quality of higher education</b>	<b>21-07- 2017</b>	<b>22-07- 2017</b>
<b>Dr. Ashwini Deshpande</b>	<b>Digital Signal Processing</b>	<b>7-12-2017</b>	<b>7-12-2017</b>
<b>Dr. Ashwini Deshpande</b>	<b>TE Syllabus Business Management</b>	<b>14-12-2017</b>	<b>15-12-2017</b>
<b>Dr.Anita Patil</b>	<b>AICTE Sponsored Image Processing and Pattern Recognition Applications with Hand-on</b>	<b>27-11-2017</b>	<b>1-12-2017</b>
<b>Dr.Anita Patil</b>	<b>. NPTEL course on " Biology for Engineers"</b>	<b>24-07-2017</b>	<b>18-08-2017</b>
<b>Dr. Anita Patil</b>	<b>NPTEL course on " Great Experiments in Psycology"</b>	<b>05-02-2018</b>	<b>03-03-2018</b>
<b>Dr. B.V.Pathak</b>	<b>AICTE Sponsored Image Processing and Pattern Recognition Applications with Hand-on</b>	<b>27-11-2017</b>	<b>01-12-2017</b>
<b>Prof. A.R.Khedkar</b>	<b>Basics of software- defined radios and practical applications</b>	<b>05-02-2018</b>	<b>03-03-2018</b>
<b>Dr.S.R.Chaudhary</b>	<b>FDP101x: Foundation Program in ICT for Education,</b>	<b>03-08-2017</b>	<b>07-09-2017</b>
<b>Dr.S.R.Chaudhary</b>	<b>FDP201x:Pedagogy for Online and Blended Teaching-Learning Process,</b>	<b>14-09-2017</b>	<b>12-10-2017</b>
<b>Dr. M.A.Dixit</b>	<b>AICTE Sponsored Embedded System Design – A Microcontroller Approach</b>	<b>20-11-2017</b>	<b>01-12-2017</b>
<b>Prof. G.R.Padalkar</b>	<b>State level FDP on Probability and Statistics for Machine Learning And Deep Learning</b>	<b>05-12-2017</b>	<b>09-12-2017</b>
<b>Prof. G.R.Padalkar</b>	<b>Deep Learning and Image Processing</b>	<b>11-12-2017</b>	<b>16-12-2017</b>

<b>Prof. Padma Hirve.</b>	<b>AICTE Sponsored Embedded System Design – A Microcontroller Approach</b>	<b>20-11- 2017</b>	<b>12-1-2017</b>
<b>Prof. T. Kadam</b>	<b>NPTEL certification Course “Introduction to Programming in C ”, IIT Kanpur</b>	<b>01-07-2017</b>	<b>01-09-2017</b>
<b>Prof. R. T. Suryawanshi</b>	<b>NPTEL certification course on "Analog Circuits and Systems through SPICE Simulation", IIT Kharagpur</b>	<b>07-01-2017</b>	<b>10-01-2017</b>
<b>Prof. Sandhya Potadar</b>	<b>NPTEL Certification Course on' Principles of signals and systems'</b>	<b>07-01-2017</b>	<b>10-01-2017</b>
<b>Prof. Sandhya Potadar</b>	<b>TE syllabus ITCT and CN</b>	<b>14-12-2017</b>	<b>16-12-2017</b>
<b>Anamika kumari</b>	<b>. NPTEL Certification Course on "Fiber Optics"</b>	<b>01-02-2017</b>	<b>31-03-2017</b>
<b>Anamika kumari</b>	<b>NPTEL certification Course on"Electromagnetic Theory"</b>	<b>07-01-2017</b>	<b>30-04-2017</b>
<b>Prof.S.S.Vanarase</b>	<b>NPTEL Certification Course on' Effective Engineering Teaching in Practice'</b>	<b>01-02-2018</b>	<b>04-03-2018</b>
<b>Prof.S.S.Vanarase</b>	<b>AICTE-ISTE approved refresher program on 'Recent Advancement in AI &amp; IoT'</b>	<b>04-06-2018</b>	<b>09-06-2018</b>
<b>Prof. Rupali Pawar</b>	<b>NPTEL certification course on "An Introduction to coding Theory'</b>	<b>01-02-2018</b>	<b>31-03-2018</b>
<b>Prof. Rupali Pawar</b>	<b>NPTEL certification course on "Biomedical Signal Processing''</b>	<b>01-01-2018</b>	<b>30-04-2018</b>
<b>Prof. Rupali Pawar</b>	<b>AICTE sponsored FDP one week FDP on" Image Processing and PR Applications"</b>	<b>27-11-2017</b>	<b>01-12-2017</b>
<b>Prof. Rupali Pawar</b>	<b>TE syllabus ITCT and CN</b>	<b>14-12-2017</b>	<b>16-12-2017</b>

<b>Prof. Kalpana Joshi</b>	<b>TE syllabus Power Electronics</b>	<b>14 -12-2017</b>	<b>16 -12-2017</b>
<b>Dr S. S. Musale</b>	<b>Electronic System Design</b>	<b>23-06-2017</b>	<b>24-06-2017</b>
<b>Prof. Mr. S L. Sahare</b>	<b>Mechatronics</b>	<b>23-06-2017</b>	<b>24-06-2017</b>
<b>Prof. S.G. Dube</b>	<b>Faculty Orientation Workshop on T.E. E&amp;Tc/Elex Revised</b>	<b>14-12-2017</b>	<b>15-12-2017</b>
<b>Prof. Amit Khade</b>	<b>TE syllabus Power Electronics</b>	<b>14-12-2017</b>	<b>16-12-2017</b>
<b>Prof. Mugdha Dewasthale</b>	<b>TE syllabus SPOS</b>	<b>14-12-2017</b>	<b>16-12-2017</b>
<b>Prof. Anuradha Fukane</b>	<b>Mechatronics</b>	<b>23-06-2017</b>	<b>24-06-2017</b>
<b>Milind Kolambe</b>	<b>TEQIP STTP Cyber Forencis and Informatin Security</b>	<b>12 Apr 2017</b>	<b>12 Aug 2017</b>
<b>Milind Kolambe</b>	<b>TEQIP FDP on Data Science</b>	<b>18 Dec 2017</b>	<b>22 Dec 2017</b>
<b>Suchitra Morwadkar</b>	<b>FDP on Foundation Program in ICT for Education</b>	<b>3 Aug 2017</b>	<b>7 Sep 2017</b>
<b>Leena Sharma</b>	<b>FDP on Foundation Program in ICT for Education</b>	<b>3 Aug 2017</b>	<b>7 Sep 2017</b>
<b>Madhura Tokekar</b>	<b>FDP on Foundation Program in ICT for Education</b>	<b>3 Aug 2017</b>	<b>7 Sep 2017</b>
<b>Makarand Velankar</b>	<b>Workshop on Deep Learning</b>	<b>18 Dec 2017</b>	<b>22 Dec 2017</b>
<b>Madhura Tokekar</b>	<b>FDP on Pedagogy for Online and Blended Teaching-Learning Process</b>	<b>14 Sep 2017</b>	<b>12 Oct 2017</b>

<b>Harsha Sonune</b>	<b>FDP on Pedagogy for Online and Blended Teaching-Learning Process</b>	<b>14 Sep 2017</b>	<b>12 Oct 2017</b>
<b>Suchitra Pakale</b>	<b>FDP on Pedagogy for Online and Blended Teaching-Learning Process</b>	<b>14 Sep 2017</b>	<b>12 Oct 2017</b>
<b>Leena Sharma</b>	<b>FDP on Pedagogy for Online and Blended Teaching-Learning Process</b>	<b>14 Sep 2017</b>	<b>12 Oct 2017</b>
<b>Dr. Dipti Patil</b>	<b>FDP on Design of IOT</b>	<b>22 Nov 2017</b>	<b>1 Dec 2017</b>
<b>Harsha Sonune</b>	<b>STTP on Discrete Mathematics and Mathematical Modeling</b>	<b>6 Jun 2017</b>	<b>10 Jun 2017</b>
<b>Harsha Sonune</b>	<b>FDP on Foundation Program in ICT for Education</b>	<b>3 Aug 2017</b>	<b>7 Sep 2017</b>
<b>Dr. Mrs. AnaghaPanditrao</b>	<b>TEQIP-III One Week Winter School on “Optimization and Optimal Control”</b>	<b>4 Decmber 2017</b>	<b>8 Dec 2017</b>
<b>Prof. Dipali Ramdasi</b>	<b>National- Introduction to Internet of Things</b>	<b>Jan 2018 (12 weeks)</b>	<b>Apr 2018</b>
<b>Prof. Mrs. AsmitaWakankar</b>	<b>FDP101x Foundation Program in ICT for Education</b>	<b>3 Aug 2017</b>	<b>7 Sep 2017</b>
<b>Prof. Mrs. AsmitaWakankar</b>	<b>FDP101x Pedagogy for Online and Blended Teaching- Learning Process</b>	<b>14 Sep 2017</b>	<b>12 Oct 2017</b>
<b>Prof. Mrs. VaishaliUpadhye</b>	<b>FDP101x Foundation Program in ICT for Education</b>	<b>3 Aug 2017</b>	<b>7 Sep 2017</b>
<b>Prof. Mrs. VaishaliUpadhye</b>	<b>FDP101x Pedagogy for Online and Blended Teaching- Learning Process</b>	<b>14 Sep 2017</b>	<b>12 Oct 2017</b>
<b>Prof. Mrs. VaishaliUpadhye</b>	<b>Nptel -Effective Engineering Teaching in Practice</b>	<b>Feb 2018 (4 week)</b>	<b>Mar 2018</b>
<b>Prof. Ms. Pratima Kulkarni</b>	<b>TEQIP-III One Week Winter School on “Optimization and Optimal Control”</b>	<b>4 Aug 2017</b>	<b>8 Aug 2017</b>

<b>Prof. Ms. Pratima Kulkarni</b>	<b>National- Introduction to Internet of Things</b>	<b>Jan 2018 (12 weeks)</b>	<b>Apr 2018</b>
<b>Prof. Swati Madhe</b>	<b>Wavelet Applications in Signal and Image Processing</b>	<b>18 Jan 2018</b>	<b>19 Jan 2018</b>
<b>Prof. Swati Madhe</b>	<b>National- Effective Engineering Teaching in Practice</b>	<b>Feb 2018 (4 week)</b>	<b>Mar 2018</b>
<b>Prof. Swati Madhe</b>	<b>Product Development Workshop</b>	<b>19March 2018</b>	<b>20 March 2018</b>
<b>Prof. Y. G. Adhav</b>	<b>How to draft patents and conduct searches</b>	<b>3 Feb 2018</b>	<b>4 Feb 2018</b>
<b>Prof. H. T. Patil</b>	<b>FDP Embedded System Design: A Microcontroller Approach</b>	<b>11/20/2017 (2 weeks)</b>	<b>#####</b>
<b>Prof. Y. G. Adhav</b>	<b>FDP Embedded System Design: A Microcontroller Approach</b>	<b>11/20/2017 (2 weeks)</b>	<b>#####</b>
<b>Dr. V. D. Hajare</b>	<b>FDP on ED at Bennett University, Greater Noida</b>	<b>13/06/2018</b>	<b>21/06/2018</b>
<b>Prof.Y.S.Munde</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Prof.A.S.Shinde</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Rujuta Agavekar</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Rujuta Agavekar</b>	<b>Pedagogy for online and blended teaching learning process</b>	<b>14 Sept 2017</b>	<b>30 Dec 2017</b>
<b>Prof.P.A.Bhore</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Prof.P.A.Bhore</b>	<b>Pedagogy for online and blended teaching learning process</b>	<b>14 Sept 2017</b>	<b>12 Oct 2017</b>

<b>Prof M.A.Vahadne</b>	<b>Competitive Manufacturing Technologies</b>	<b>11 Dec 2017</b>	<b>22 Dec 2017</b>
<b>Prof. N.R.Patil</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Prof. N.R.Patil</b>	<b>Pedagogy for online and blended teaching learning process</b>	<b>14 Sept 2017</b>	<b>12 Oct 2017</b>
<b>Prof P S Chaware</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Prof P S Chaware</b>	<b>Pedagogy for online and blended teaching learning process</b>	<b>14 Sept 2017</b>	<b>12 Oct 2017</b>
<b>Prof N R Kolharkar</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Prof N R Kolharkar</b>	<b>Pedagogy for online and blended teaching learning process</b>	<b>14 Sept 2017</b>	<b>12 Oct 2017</b>
<b>Prof.S.A.Kedar</b>	<b>Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Prof. S A Kedar</b>	<b>Life Long Researchers</b>	<b>5th March 18</b>	<b>9th March 18</b>
<b>Prof.P.A.Bhore</b>	<b>Life Long Researchers</b>	<b>5th March 18</b>	<b>9th March 18</b>
<b>Prof M.A.Vahadne</b>	<b>Spur and Helical Gear Cutting</b>	<b>July 2017</b>	<b>August 2017</b>
<b>Prof M.A.Vahadne</b>	<b>Outcome based pedagogic principles for effective teaching</b>	<b>Feb2018</b>	<b>Mar2018</b>
<b>Prof M.A.Vahadne</b>	<b>Effective Engineering Teaching In Practice</b>	<b>Feb 2018</b>	<b>Mar 2018</b>
<b>Prof M.A.Vahadne</b>	<b>Research Writing</b>	<b>Feb 2018</b>	<b>Mar 2018</b>

<b>Prof M.A.Vahadne</b>	<b>Numerical Methods</b>	<b>July 2017</b>	<b>August 2017</b>
<b>Prof M.A.Vahadne</b>	<b>Traditional and Non-Traditional Optimization Tools</b>	<b>Feb 2018</b>	<b>Mar 2018</b>
<b>Avinash S. Shinde</b>	<b>Reserch issues in Reinforced Materials</b>	<b>29 December</b>	<b>30 December</b>
<b>Prof.S.A.Kedar</b>	<b>One day syllabus implementation W/S on Energy Audit &amp; Management</b>	<b>17th July 2018</b>	<b>17th July 2018</b>
<b>Dr. Supriya Kelkar</b>	<b>Faculty Development Program on “ FDP101x “ on Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Mrs.Chhaya Gosavi</b>	<b>Faculty Development Program on “ FDP101x “ on Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Mrs. Shilpa Pant</b>	<b>Faculty Development Program on “ FDP101x “ on Foundation Program in ICT for Education</b>	<b>3rd Aug 2017</b>	<b>7th Sept 2017</b>
<b>Dr. Supriya Kelkar,</b>	<b>Faculty Development Program on “ FDP101x “ on Pedagogy for Online and Blended Teaching- Learning Process</b>	<b>4th Sept 2017</b>	<b>12th Oct 2017</b>
<b>Mrs.Chhaya Gosavi</b>	<b>Faculty Development Program on “ FDP101x “ on Pedagogy for Online and Blended Teaching- Learning Process</b>	<b>4th Sept 2017</b>	<b>12th Oct 2017</b>
<b>Mrs. Shilpa Pant</b>	<b>Faculty Development Program on “ FDP101x “ on Pedagogy for Online and Blended Teaching- Learning Process</b>	<b>4th Sept 2017</b>	<b>12th Oct 2017</b>
<b>Mr.Hitendra Khairnar</b>	<b>Two Week Short Term Course on “ Deep Learning with Applications in Language, Vision &amp; Control “</b>	<b>4th Dec 2017</b>	<b>17th Dec 2017</b>
<b>Mrs.Vaishali Salgar</b>	<b>Two Week Short Term Course on “ Deep Learning with Applications in Language, Vision &amp; Control “</b>	<b>4th Dec 2017</b>	<b>17th Dec 2017</b>

<b>Ms.Jyoti Bangare</b>	<b>One Day Faculty Development Program on “ System Programming and Operating System Laboratory”</b>	<b>12th Dec 2017</b>	<b>12th Dec 2017</b>
<b>Dr.Sandhya Arora</b>	<b>Three Days Faculty Development Program on “ Web Technology”</b>	<b>13th Dec 2017</b>	<b>15th Dec 2017</b>
<b>Ms.Jyoti Bangare</b>	<b>Three Days Faculty Development Program on “ Web Technology”</b>	<b>13th Dec 2017</b>	<b>15th Dec 2017</b>
<b>Mrs.Nutan Deshmukh</b>	<b>One Week Faculty Development program on “ Embedded system and internet of things “ (T.E. Computer Engg 2015 Course)</b>	<b>18th Dec 2017</b>	<b>23rd Dec 2017</b>
<b>Mrs.Anjali Naik</b>	<b>One Week National Level Faculty Development program on “ Design and Analysis of Algorithms”</b>	<b>18th Dec 2017</b>	<b>23rd Dec 2017</b>
<b>Mrs.Sushila Shelke</b>	<b>“Data Mining Algorithms for graph, Text and streaming data “</b>	<b>19th Dec 2017</b>	<b>27th Dec 2017</b>
<b>Mrs. Rakhi Dongaonkar</b>	<b>Two days Faculty Development program on “ Software Modelling and Design”</b>	<b>27th Dec 2018</b>	<b>28th Dec 2018</b>
<b>Mr.Hitendra Khairnar</b>	<b>One Day Workshop on “ Integrated degree course on Computer Science and Management”</b>	<b>4th Jan 2018</b>	<b>4th Jan 2018</b>
<b>Mrs. Rakhi Dongaonkar</b>	<b>Two days workshop on “ Deep Learning” and “ DevOps”</b>	<b>21st Feb 2018</b>	<b>22nd Feb 2018</b>
<b>Dr.Chhaya Gosavi</b>	<b>Four Week Course on “Effective Engineering Teaching in Practice” NPTEL (Online Certification)</b>	<b>Feb 2018</b>	<b>March 2018</b>
<b>Mrs.Shilpa Pant</b>	<b>Four Week Course on “Effective Engineering Teaching in Practice” NPTEL (Online Certification)</b>	<b>Feb 2018</b>	<b>March 2018</b>

<b>Mrs.Vaishali Salgar</b>	<b>Four Week Course on “Effective Engineering Teaching in Practice” NPTEL (Online Certification)</b>	<b>Feb 2018</b>	<b>March 2018</b>
<b>Dr.Sunita Jahirabadkar</b>	<b>Four Week Course on “ Patent Drafting for Beginners” NPTEL Online</b>	<b>Feb 2018</b>	<b>March 2018</b>
<b>Mrs.Sushila Shelke</b>	<b>One Week FDP on “ AI and Machine Learning”</b>	<b>4th June 2018</b>	<b>8th June 2018</b>

**List of FDP organized for Faculty:**

<b>Sr. No.</b>	<b>No. of participants</b>	<b>Title of the professional development/ administrative training programs organised for teaching staff (Professional development/ administrative training programs)</b>	<b>Duration (from) (DD-MM-YYYY)</b>	<b>Duration (to) (DD-MM-YYYY)</b>
1	10+35	Qualnet	28 July 2017	28 July 2018
2	45	Electric Vehicles: Opportunities and Challenges in India”	11th January 2018	12th January 2018

## 15] Research and Development:

College faculty is actively involved in research work, applying for different research grants and consultancy projects. Every year research papers are published in renowned journals and patents are filed based on their research work.

In this academic year the list of research publications, patents published and granted, research grants and consultancy is as follows

### A] List of Publications:

1	S. Arora and A. Roy, "Recognition of sign language using image processing," International Journal Business Intelligence and Data Mining, vol. 13, no. 1–3, pp. 163– 176, 2018.
2	S. Pant, "Methodology and System Design of Seat Distribution Matrix for Admission to Professional Courses", in International Journal of Innovative Science and Research Technology, Volume 3, Issue 4, April – 2018
3	A. B. Lamb, M. B. Khambete, "No-reference perceived image quality measurement for multiple distortions," Multimedia Tools and Applications, vol. 77, pp. 8653– 8675, April 2018, DOI:10.1007/s11042-017-4761-3 (SCIE)
4	S. Mangale, M. B. Khambete, "Approach for moving object detection using visible spectrum and thermal infrared imaging," Journal of Electronic Imaging, vol. 27, no. 3, 033004, pp. 1-12, May 2018, DOI: 10.1117/1.JEI.27.3.033004 (SCIE)
5	S. Mangale, M. B. Khambete, "Gray level co-occurrence matrix feature based object tracking in thermal infrared imagery," Journal of Electronic Imaging, vol. 27, no. 3, 033021, pp.1-9, May 2018, DOI:10.1117/1.JEI.27.3.033021 (SCIE)
6	S. Paranjape, S. Barani, M. Sutaone, P. Mukherji, "Stable Cluster Based Data Gathering and Congestion Control Protocol for Mobile Wireless Sensor Networks," Journal of Computational and Theoretical Nanoscience, vol. 15, no. 1, pp. 153-160, January 2018. DOI: <a href="https://doi.org/10.1166/jctn.2018.7068">https://doi.org/10.1166/jctn.2018.7068</a> (SCIE)
7	K. G. Gunale, P. Mukherji, "Deep Learning with a Spatiotemporal Descriptor of Appearance and Motion Estimation for Video Anomaly Detection," Journal of Imaging, vol.4 , no. 6, pp:79, June 2018, DOI: <a href="https://doi.org/10.3390/jimaging4060079">https://doi.org/10.3390/jimaging4060079</a> (ESCI)
8	A. K. Dadoria, K. Khare, U. Panwar, A. Jain, "Performance evaluation of domino logic circuits for wide fan-in gates with FinFET," Springer Microsystem Technologies, vol. 24, no. 8, pp. 3341-3348, January 2018, DOI:10.1007/s00542-017-3691-3 (SCIE)
9	M. S. Borse, S. Patil, "3-Dimensional Reconstruction of GM," International Journal of Biomedical Engineering & Technology (IJBET), vol.24, no.3, pp. 264-284, ISSN online: 1752-6426, July 2017. (ESCI & Scopus)
10	Dr. Nivedita Daimiwal, Dr. Revati Shriram. Design of Optical System for Measurement of SpO2 using Systolic Amplitude based Photoplethysmography Signal. Biomedicine , 2018,38(2),pp249-253.scopus Indexed

11	Dipali Ramdasi, Rohini Mudhalwadkar, 'Detection of Nitro-aromatic Explosives with Parametric Regression Modelling Approach' at International Journal of Control and Automation, Scopus Indexed, June 2018, Vol. 11, No. 6, pp.13-24
12	Dipali Ramdasi, Rohini Mudhalwadkar, 'Thin Film Sensor Materials for Detection of Nitro-Aromatic Explosives', IOP Conference Series: Materials Science and Engineering, Scopus Indexed, March 2018, Vol 323, No. 1, pp. 12003
13	Hajare, V.D., Patre, B.M., Khandekar, A.A. et al. Decentralized PID controller design for TITO processes with experimental validation. Int. J. Dynam. Control 5, 583–595 (2017)
14	Vaishali Upadhye, Sudhir Agashe, Effect of Temperature and Pressure on the Thickness Mode Resonant Spectra of Piezoelectric Ceramic, International journal IOP Conference Series: Materials Science and Engineering 225 no.1(2017): 012125
15	P. Chaware and C. Sewatkar, "Effects of tangential and radial velocity on the heat transfer for flow through pipe with twisted tape insert-turbulent flow," International Journal of Heat and Technology, vol. 35, no. 4, pp. 811–820, Dec. 2017
16	S. Kulkarni, A. Bewoor, and R. Ingle, "Vibration signature analysis of distributed defects in ball bearing using wavelet decomposition technique," Noise & Vibration Worldwide, vol. 48, no. 1–2, pp. 7–18, Jan. 2017
17	Y. S. Munde, R. B. Ingle, and I. Siva, "Investigation to appraise the vibration and damping characteristics of coir fibre reinforced polypropylene composites," Advances in Materials and Processing Technologies, vol. 4, no. 4, pp. 639–650, Jun. 2018
18	A. Bewoor and S. Kulkarni, "Interoperability of international standards, condition monitoring methods and research models for bearing fault: an integrated approach," Procedia Manufacturing, vol. 22, pp. 982–989, 2018
19	K. B. Gavali, A K Bewoor, Debabrata Barik, "Job Shop Scheduling with the Aid of Hybrid Social Spider Optimization and Gray Wolf Optimization with Industrial Scheduling Case Study," International Journal of Mechanical Engineering and Technology, vol.8 no.10, pp-274-284, Oct-2017
20	K. B. Gavali, A K Bewoor Debabrata Barik, Performance Enhancement in Job Shop Scheduling with the Aid of Hybrid Social Spider Optimization and Gray Wolf Optimization, International Journal of Applied Engineering Research, vol.12, no.21, 530-540, 2017

#### B] List of Patent Published:

	Title of the Patent	Inventors (Faculty)	Inventors (Students)	Application No.
1	Real Time System and method for Monitoring and management of Asthma	1. Prof Soudamini Patil 2. Dr. Atul Joshi	1. Ms. Ritu Varma 2. Ms. Nain Vaswani 3. Ms. Saiprashanti Mukherjee 4. Ms. Devika Walavalkar	201721017340 A
2	Trespasser Inhibition Control System and method Thereof	Dr. Atul Joshi	Ms. Rishita Bansal	201721017342 A

3	System and Method for Hardness Detection of Water	Prof. Yashwant Adhav	1. Ms. Uttunga Shinde 2. Ms. Swapnali Satpute 3. Ms. Krutika Punekar	201721020360
4	System for Automatic Recycling of Plastic Moulded Articles and Method Thereof	Dr. Atul Joshi	1. Ms. Radhika Nibhandhe 2. Ms. Akshada Shinde 3. Ms. Soniya Kumbhojkar 4. Ms. Vaibhavee Vaidya	201721033872 A
5	System and Method for Prognosis of Parkinson's Disease	Dr. Revati Shriram	1. Ms. Mrugali Bhat 2. Ms. Devayani Kulkarni 3. Ms. Sharwari Inamdar 4. Ms. Gauri Kulkarni	201721034084
6	A Method For Predicting Gene Presence In a Query Sequence	Dr. Neeta Maitre		201721036583
	Vision based fall detection system using computer vision and single board computer for elderly person monitoring	Dr. Prachi Mukherji		201721045437
	System and Method for Diagnosis and Prediction of Automobile Engine Oil Quality	1. Prof. Harish Shinde 2. Dr. Anand Bewoor		201721045907

#### Patents Granted:

	Title of the Paten	Inventors (Faculty)	Inventors (Students)	Application No.	Date Granted
1	A method and apartus for data compression including Encryption for file transfer	Dr. C. S. Warnekar, Prof. Namrata Karandikar		285348	18 July 2017

**C] Research Grants:**

Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Prof. H. Shinde & Dr. A. Bewoor	BCUD	Government	Mechanical Enginnering	1 Lakh	2016-2017to 2017-2018(2 years)
Prof. S. Kedar & Dr. A. Bewoor	BCUD	Government	Mechanical Enginnering	1.15 Lakh	2016-2017to 2017-2018(2 years)
Dr. Sunita Jahirabadkar	BCUD	Government	Computer Engineering	0.8 Lakh	2016-2017 to 2017-2018(2 years)
Dr. C . Amarnath	Chairs in the institution	Non Government	Mechanical Enginnering	12 Lakhs	2017-2020
Dr. Malini Bapat		Non Government	Basic Sciences and Humanities	1.17	

**D] Book/Chapters Published by Faculty:**

Sl. No .	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding
1	Dr.Sandhya Arora	Practical Guide to Distributed Systems in MPI			Paperback – November 9, 2017 (2017-2018)	ISBN-10: 1973503360 ISBN-13: 978-1973503361
2	Dr.Sandhya Arora	Python for Data Analysis: A Quick			May 2018 (2017-2018)	ASIN: B07CJXS6V4

		Python Learning Guide for Beginners				
3	Dr. Supriya Kelkar		Leader based adaptive fault diagnosis algorithm for distributed system	International Conference on Information, Communication, Instrumentation and Control - 2017 (ICICIC-`17)	17th-19th August 2017	978-1-5090-6313-0
4	Dr. Supriya Kelkar		Coordinator - based adaptive fault diagnosis algorithm for distributed computing systems	6th International Conference on Advances in Computing, Communications and Informatics (ICACCI) -2017	13th-16th September 2017 at Manipal Institute of Technology, Manipal	978-1-5090-6367-3
5	Dr. Supriya Kelkar		An insight into performance and security bugs in IoT operating systems : A Literature Review	International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017)	Centre for Development of Advanced Computing C-DAC, (Mumbai) 18th June 2017	ISSN 2394 – 3386
6	Dr.Sunita Jahirabdkar	Lecture Notes in Networks and Systems 38	“An insight into Theory-Guided Climate Data Science – A Literature Review”	Springer’s International Conference on Data and Information Sciences (ICDIS-2017), at Indira Gandhi National Tribal University, Amarkantak,	Published in Springer Book Series “Lecture Notes in Networks and Systems 38”, vol-	978-981-10-8359-4

				M.P., India.	1, 3-4th November 2017	
7	Chhaya Gosavi, S.N.Mali	Advances in Intelligent Systems and Computing book series	Analysis of Blind Image Watermarking Algorithms	Proceedings of 2nd International Conference, ICICC 2017, Intelligent Computing and Information and Communication	Advances in Intelligent Systems and Computing book series (AISC, vol ume 673)	978-981- 10-7245-1
8	Radhika Bhagwat	Techno- Societal 2018	A Framework for Identificatio n of Soybean Leaf Diseases	Advanced Technologies for Societal Applications	2018	978-3-030- 16848-3
9	Dr. Chetana Gavankar	ICVISIP 2018: Proceedings of the second International conference on Vision, Image and Signal Processing	A Utility Tool for Personalised Medicine	Proceedings of the 2nd International Conference on Vision, Image and Signal Processing	2018	978-1- 4503-6529- 1
10	Sneha Thombre	2018 IEEE 6th International Conference on MOOCs, Innovation and Technology in Education (MITE)	Interface Implementat ion for Quantifying Information Spread on Social Networks	2018 IEEE 6th International Conference on MOOCs, Innovation and Technology in Education (MITE)	2018	978-1- 5386-5968- 7

11	Sneha Thombre		Implementat ion of the RnSIR Model	IEEE 2018 Punecon	2018	978-1- 5386-7278- 5
12	Leena Panchal	ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management	A study of Vehicular parking system	International Conference on Intelligent Computing and Communication Technologies (ICICCT - 2019)	2020	978-981- 13-8461-5
13	Dipali Ramdasi	Advances in Intelligent Systems and Computing, Springer	Parameter- Controlled Gas Sensor System for Sensor Modeling	Progress in Advanced Computing and Intelligent Engineering,Proc eedings of ICACIE 2016	2017-18	978-981- 10-6871-3
14	Revati Shriram		Performance Parameter Based Comparison of Various Transforms	3rd International Conference on C omputing, Communication, Control and Automation (IC CUBEA 2017),P une, India,IEEE	2017-18	Electronic ISBN:978- 1-5386- 4008-1 Print on Demand(P oD) ISBN:978- 1-5386- 4009-8
15	HT Patil		Clothing Pattern Recognition Using Features Extraction of Wavelet Coefficient for Visually Impaired People	International Conference on T rends in Electronics and Informatics (ICOEI 2018),IEEE	2017- 18(confer ence: may 2018 and published in dec 2018)	<b>Electronic</b> ISBN:978- 1-5386- 3570-4

16	Dipali Ramdasi		Human Exhaled Breath Analysis for Renal Diseases using SVM Classifier	IEEE International Conference on Communication and Signal Processing (ICCSP)	2017-18(3-5 April 2018, publication on 08 November 2018)	<b>Electronic ISBN:978-1-5386-3521-6</b>
17	Dipali Ramdasi	IOP Conference Series: Materials Science and Engineering	Thin Film Sensor Materials for Detection Nitro-Aromatic Explosives.	International Conference on Functional Materials and Chemical Engineering (ICFMCE-2017)	2017-18	1757-8981
18	Y S. Munde, Ravindra B. Ingle		Vibration Damping Characteristics of Coir Fiber Reinforced Polypropylene Composite	20th International Conference on Advances in Materials & Processing Technologies (AMPT) at VIT University Chennai	11th to 14th December 2017	-
19	Amit A Panchwadkar, Ravindra B Ingle		Experimental and Numerical analysis of Metallic Bellow for Acoustic Performance 10.1088/1757-899X/225/1/012216	International Conference on Materials, Alloys and Experimental Mechanics (ICMAEM-2017) Narsimha Reddy Engineering College, India	3-4 July 2017	1757-8981
20	Parag Chaware, C.M. Sewatkar		Numerical Analysis of flow through pipe with twisted	24th National and 2nd International ISHMT-ASTFE Heat and Mass	December 27-30, 2017	978-1-56700-478-6

			tape insert.	Transfer Conference (IHMTTC-2017) at BITS Hyderabad		
21	N.R.Kolhalkar V.L.Krishnan		Use of Mechatronics and Robotics for Technology enhanced agricultural Task	International Conference on Agriculture and Human Development in India (ICAHD-2017)	8-9th September 2017	-
22	A K Bewoor, L.V.Awadhani		Behavior of single lap composite bolted joint under traction loading: Experimental investigation	International Conference on Design, Materials & Manufacture (IcDeM-2018), NITK Surathkal.	January 29-31, 2018	978-0-7354-1638-3
23	H. M. Shinde, A K Bewoor		Capacitive Sensor for Engine Oil Deterioration Measurement	International Conference on Design, Materials & Manufacture (IcDeM-2018), NITK Surathkal.	January 29-31, 2018	978-0-7354-1638-3
24	S.A.Kedar, K.Arul Raj, A K Bewoor		Thermal Analysis of Solar Desalination System Using Evacuated Tube Collector	International Conference on Sustainable Engineering and Technology (IConSET-2018), ACS COE Bengaluru	April 19-20 2018	978-0-7354-1765-6

25	Dr. Madhuri Khambete, Gauri Deshmukh ; Manasi Pathade	-	Supervised Classification of Type of Crowd Motion in Video Surveillance System	IEEE International Conference on Signal Processing and Communication (ICSPC'17) at Coimbtore	March 2018	Electronic ISBN: 978-1-5090-6730-5
26	Dr. Madhuri Khambete Anupama B. Lamb	-	Image Quality Assessment Database for Demosaicing Artifacts	International Conference on Communications and Signal Processing	November 2018	978-1-5386-3521-6
27	Dr. S.N.Ohatkar, Komal Tupe	<u>Ambient Communications and Computer Systems</u>	Applying Bacterial colony optimization to cognitive cellular network for evaluating SINR	International Conference on Recent Advancements in Computer, Communication and Computational Sciences (RACCCS-2017), Aryabhata College of Engineering & Research Center, Ajmer, India,	March 2018	978-981-10-7386-1
28	Dr.S.N.Ohatkar, Komal Tupe	<u>Smart Trends in Information Technology and Computer Communications</u>	Bacterial colony optimization for data rate evaluation in cognitive cellular network	SMARTCOM 2017, Second International conference on Smart Trends for Information Technology and Computer Communications , Pune,	August 2018	978-981-13-1423-0
29	Dr. Anita Patil	-	Classification of Human	Third International	September 2018	Electronic ISBN:978-

			Emotions using Multiclass Support Vector Machine	Conference on Computing, Communication, Control And Automation (ICCUBEA)		1-5386-4008-1
30	Dr. M.A.Dixit	<u>Smart Trends in Information Technology and Computer Communications</u>	Internet Traffic Intrusion Detection System Using Adaptive Neuro-Fuzzy Inference System	Second International Conference on Smart Trends for Information Technology and Computer Communications (SmartCom 2017)	August 2018	ISSN 1865-0929 isbn: 978-981-13-1423-0
31	Prof. M.V.Pathade, Simran Mardhani, Himaja Kadiyala, Kshitija Shukla	-	Detection of Dispersion in Crowded Scenes for Surveillance Applications	IEEE International Conference on Trend in Electronics and Informatics (ICOEI'18) at SCAD College of Engg and Technology, Tamilnadu	May 2018	Electronic ISBN:978-1-5386-3570-4
32	Prof. M.V.Pathade, Pradnya Chinchkar	-	Moving Vehicle Detection and Counting to Allot Run Time	International Conference on Emrging Trends in Science, Engg and Technology (ICETSET'18) at DYPCOE,Pune	2018	ISSN (Online): 1314-3395
33	Dr S. S. Musale	-	Smart Reader for Visually Impaired	IEEE International Conference for Inventive Systems and Control	June 2018	Electronic ISBN:978-1-5386-0807-4

34	Dr. Ashwini Deshpande, Harshada Kawade	-	Implementation of Video Stabilization Algorithm for Surveillance System	3rd International Conference on Computing Communication Control and automation (ICCUBEA)	September 2018	Electronic ISBN:978-1-5386-4008-1
35	Dr. Ashwini Deshpande, Snehal Kalbhor	-	Digit Recognition Using Machine Learning And Convolutional Neural Network	International Conference on Trends in Electronics and Informatics (ICOEI 2018)	December 2018	Electronic ISBN:978-1-5386-3570-4
36	Dr. B. V. Pathak, Shriyanti, Aditi, Anaya	-	Speaker Recognition System for Home Security using Raspberry Pi and Python	International Conference on Recent Trends in Engineering & Sciences" ICRTES-2018, Vishakhapatnam	September 2018	Nil
37	Dr. B. V. Pathak, radhika Damle	-	Face recognition based attendance system using machine learning algorithms	International Conference on Intelligent Computing and Control Systems- ICCS 2018, Madurai	March 2019	Electronic ISBN:978-1-5386-2842-3
38	Prof. S.A.Potadar, Ankita Kamble	-	Lane departure warning system for advanced drivers assistance	International Conference on Intelligent Computing and Control Systems (ICICCS 2018)	March 2019	Electronic ISBN:978-1-5386-2842-3
39	Dr. Prachi Mukherji	<u>Ambient Communicat</u>	Enhancement of	International Conference	March 2018	<u>DOI:10.1007/978-</u>

	Mahesh K. Pote	<u>ions and Computer Systems</u>	Microstrip Patch Antenna Parameters Using Defective Ground Structure			<u>981-10-7386-1 6 &amp; Online ISBN 978-981-10-7386-1</u>
40	Dr. Prachi Mukherji , Mahesh K. Pote, Vrishali Mahesh Belekar		Improved microstrip patch antenna with enhanced bandwidth, efficiency and reduced return loss using DGS	<u>2017 International Conference on Wireless Communications , Signal Processing and Networking (WiSPNET)</u>	2018	Electronic ISBN:978-1-5090-4442-9
41	Supriya Mangale		Moving Object Detection and Tracking Using Convolutional Neural Networks	2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS)	March 2019	978-1-5386-2842-3
42	Prof. S. L. Sahare	-	Derive Respiratory Signal Form ECG Using KPCA for Application of Sleep Apnea Detection	2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS)	March 2019	978-1-5386-2842-3
43	Dr. Seema Rajput, Prof. Minakshee Patil, Dr. Anita Jain	Book: Integrated Circuits			2018	978-93-88480-07-9

## 16] Faculty Achievements:

- Dr. Supriya Kelkar was the Session Chair for 2<sup>nd</sup> International Conference on Intelligent Computing and Communication at MIT-WPU on 2<sup>nd</sup> -4<sup>th</sup> August 2017.
- Dr. Supriya Kelkar was the domain expert in 'Regional Research Conference, Innovation-2017' at PICT on 15<sup>th</sup> November 2017.
- Dr. Sunita Jahirabadkar was Session chair and Reviewer for ICCUBEA at PCCOE on 17<sup>th</sup> - 18<sup>th</sup> August 2017 and CSI Project Competition Regional Round on 16<sup>th</sup> August 2017 at MIT-WPU..
- Dr. Sandhya Arora was reviewer for CPGCON at SPPU (March 2018) and was Ph.D. external examiner in Feb. 2018 at Rajasthan and Ph.D. thesis reviewer in Jan 2018 in Maharashtra.
- Dr. Sandhya Arora received the Dewang Mehta Award for 'Best Professor in Computer Engineering'. On 26<sup>th</sup> Sept. 2017 and
- Dr. Sandhya Arora received 'Prof. Indira Parikh 50 Women in Education Leaders Award 2017' on 23<sup>rd</sup> November 2017 at World Education Congress, Mumbai.
- Prof. Chetana Gavankar was awarded a Ph. D. Degree from IITB-Monash University, Australia joint Ph.D. program.
- Prof. Chetana Gavankar was awarded Best Industry Aligned research award on 11Feb 2018.
- Prof. Makarand Velankar received a Best paper award in ICIC conference on 2-4 Aug 2017.
- Prof. Namrata Karandikar received 'Vidnyan Sanshodhak Abhyasak ' award by Deshastha Brahmin Samstha, Pune.
- Dr. Madhuri Purandare was awarded 'Women in Education Leadership Award' by Dewang Mehta National Education Awards.
- Vaishali Salgar received the CSI Longest continuous SBC award on Dec. 17.
- Prof. V. D. Hajare was awarded with PhD from Swami Ramanand Teerth Marathwada University.
- Prof. Yashwant S. Munde was selected for Summer Faculty Visiting Internship Programme at Centre for Composite Materials, Kalasalingam Academy of Research and Education (KARE), Krishnankoil, Tamil Nadu from 1st to 30th June 2018
- Dr. S.N.Ohatkar received Venus International Women Awards: VIWA 2018: Distinguished Women in Engineering for initiatives and developments in the field of Electronics and Telecommunications, awarded on 3rd March 2018 – Chennai.
- Dr. S.N.Ohatkar received Certificate of Appreciation for an instrumental role as SPOC (Single Point Of Contact) for the SWAYAM-NPTEL Local chapter. (Active SPOC for Jan-June 2018)