

Electronics & Telecommunication Engineering Department
Annual Report A.Y. 2019 – 20



It gives me immense pleasure to present the annual report of our department, which includes various achievements and activities executed during the academic year 2019-20. It is the TEAM work that has made the difference. Personal and psychological counseling sessions by Mrs. Alka Kakade were arranged for all new entrants in the department. The counseling sessions have helped the students to cope up with stress & time management.

At the starting of odd as well as even semester, orientation sessions were conducted in each class by the Head of department, training & placement coordinator, GATE & career counseling coordinator, industrial training coordinator and the class coordinators. The orientation sessions have helped the students to understand the academic, co-curricular and extra curricular requirements and the activities to be performed by the students, so that they are well prepared for placements and other career opportunities by the time they enter the final year.

1) ACADEMIC PERFORMANCE (ACADEMIC YEAR 2018-19)

BE (E&TC)

- **Class result: 94.44%**
- **Ms. Suryawanshi Asmita Dilip stood 5th in Solapur University**
- **Ms. Suryawanshi Nikita Mahesh stood 7th in Solapur University**
- **Ms. Umbarje Ravina Girmallappa stood 10th in Solapur University**
- The first five rankers of BE are as follows

Rank	Student Name	% Marks
1	Ms. Suryawanshi Asmita Dilip	86.51
2	Ms. Suryawanshi Nikita Mahesh	85.41
3	Ms. Umbarje Ravina Girmallappa	84.6

4	Ms. Pinjar Simran Pirsra	82.83
5	Mr. Holimath Pooja Ishwarayya	82.57

TE (E&TC)

- **Class result: 97.92%**
- The first five rankers of TE are as follows

Rank	Student Name	% Marks
1	Ms. Uttarkar Aditi Kiran	82.24
2	Ms. Ghule Mangal Mahadev	78.61
3	Ms. Chittar Sandhya Venkatesh	75.45
4	Ms. Vernekar Shruti Nagraj	74.73
5	Ms. Kulkarni Shwetambari Gajanan	74.48

SY (E&TC)

- **Class result: 98.8%**
- The first five rankers of SE are as follows

Rank	Student Name	% Marks
1	Ms. Chavan Snehal Karan	87
2	Ms. Survase Arati Sumant	86
3	Ms. Patange Aishwarya Harish	86
4	Ms. Ratan Shankar Chanshetti	85
5	Ms. Yalgunde Nikita Sanjay	85

Offer for MS Abroad:

In the academic year 2019-20, Mr. Rizwan Irfan Patel has attended conference on 18th February 2020 at Pune on the topic “Opportunities in Higher Education at France”. He got award for winning quiz, and offer for MS program in **ESME Sudriya School of Engineering, France.**

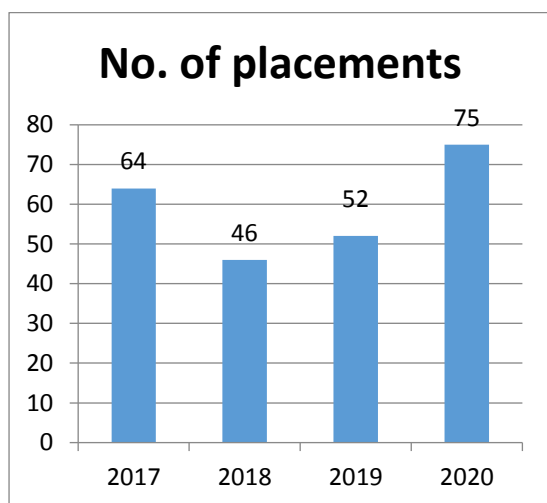
Best outgoing student:

Based on the academic performance, co-curricular activities and extracurricular activities, Ms. Uttarkar Aditi Kiran has been selected as the best outgoing student of ENTC department in the academic year 2019-20.

2) TRAINING & PLACEMENT

The Training & Placement cell is taking utmost care for the placements. Various activities are conducted in a planned manner, which are as follows.

- Pre- placement training is imparted to all BE students on general aptitude and interview techniques.
- Special classes are conducted for TE students on general aptitude and soft skills by external agencies.
- For overall personality development of students, additional lectures on soft skills and aptitude are included in regular time-table.
- Well planned company specific trainings are arranged before every drive. As a result, total 76 students of BE (E&TC) have been placed in different multinational and core companies.



3) DEPARTMENT ADVISORY BOARD (DAB)

DAB has been formed in this year and the aim of DAB is to take review of the curricular, co-curricular, extra curricular activities and student internships and placements and to enhance the quality of these activities.

Members of DAB committee are as follows

Sr. No	Name	Designation & Company/ Institute	Role
1	Prof. S. S. Dhotre	NKOCET, Solapur	Chairman
2	Prof. Roshan Pushpan	NKOCET, Solapur	Secretary
3	Mr. P. Chandrasekar	Director, Technique Design Group, Secunderabad	Member
4	Mr. Pradip Dhage	Manager, M. I. T. World Peace University TBI, Pune	Member
5	Mr. R. M. Deshmukh	Head – IT Dept., Volkswagen	Member

Sr. No	Name	Designation & Company/ Institute	Role
6	Mr. Amar Pol (Alumni)	Senior Embedded Engineer, John Deere	Member
7	Mr. Ravi Shidore	Director, Shidore Microsys, Pune	Member
8	Dr. Satish Ket	HOD (CSE), R. G. I. T. , Andheri (W), Mumbai	Member
9	Dr. M. M. Sardeshmukh	HOD (ENTC), J. S. P. M. , Narhe, Pune	Member
10	Mr. Pushpsheel Salunkhe	Director, PMS Robotics, Pune	Member

All faculty members of the department are also members of DAB.

4) FACULTY ACHIEVEMENTS

- This year Prof. Roshan Pushpan, Dr. P. D. Bahirgonde, Prof. A. A. Kshirsagar & Prof. R. R. Shriram secured Top 5% rank (Elite + Gold certificate) in “Accreditation and Outcome Based Learning” course conducted by IIT Kharagpur, NPTEL.
- This year Prof. A. I. Nadaf has received “Best Faculty Member Award” of E&TC dept.

5) WORKSHOPS, SEMINARS, STTP ATTENDED BY FACULTY MEMBERS

1. Faculty members have enthusiastically attended different workshops, STTPs and FDPs which are given below.

i) Prof. S. S. Dhotre

Faculty Name	Course/Workshop/STTP/ FDP attended	Organized by
Prof. S. S. Dhotre	ATAL Online FDP on “Data Sciences” (30 th April to 4 th May 2020)	DBATU, Lonere
	ATAL Online FDP on “Internet of Things” (25 th – 29 th May 2020)	DBATU, Lonere
	Online course on “Examination Reforms” (15 th -18 th April 2020)	AICTE
	Online Course on “Education 4.0” (28 th – 30 th April 2020)	Atharva College of Engg., Mumbai
	FDP on “Statistical Inference and Linear Algebra” (21 st – 25 th Dec 2019)	DBATU, Lonere
	NPTEL online course “NBA Accreditation and Teaching - Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore

ii) **Dr. P. D. Bahirgonde**

Course/Workshop/STTP/ FDP attended	Organized by
STTP on “Theory, Operation and Applications of Transducers & Actuators in Industry” (30 th Dec- 3 rd Jan. 2020)	NITTTR, Kolkatta
One day workshop on “Linux” (23 Aug 2019)	IIT, Bombay
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop” (17 th May 2020)	IIT, Bombay
Online 4 week course on “Hardware Description Languages for FPGA Design”	Coursera platform
Online 8 week course “Digital Systems: From Logic Gates To Processor”	Coursera platform
Online 7 week course “Programming for Everybody (Getting Started with Python)”	Coursera platform
Online STTP on “MATLAB based Teaching- Learning in Mathematics, Science and Engineering” (18 th -22 nd May 2020)	D. Y. Patil deemed university in association with DesignTech
Online FDP on “Data science using Python” (12-14 th June 2020)	Smt. Kasturbai Walchand College, Sangli
International online FDP on “Future Advancements and applications of IoT” (12 th -14 th June 2020)	Sandip Institute of Engg. And Management , Nashik

iii) **Prof. S. S. Joshi**

Course/Workshop/STTP/ FDP attended	Organized by
FDP on “AI & ML using Python” (3 rd – 7 th February 2020)	NKOCET, Solapur
Online training on “Arduino” (1 st – 6 th May 2020)	JNEC, Aurangabad organized by, IITB
Online FDP (TEQIP-III SPONSORED) on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” (5 th -9 th May 2020)	DBATU, Lonere
Online STTP on “Sensors, IoT & Machine Learning” (1 st – 5 th June 2020)	KJSCE, Mumbai
Online FDP on “Engineering Education & the Industry: A Post Covid-19 Perspective” (1 st – 5 th June 2020)	RGIT, Mumbai
Online workshop on “Future Advancement and Applications of IOT ” (12 th – 14 th June 2020)	Sandip foundation’s , Sandip Institute of Engineering and Management , Nashik
Online 7 week course on “Programming for Everybody (Getting Started with Python)”	Coursera platform
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore

iv) **Prof. A. A. Kshirsagar**

Course/Workshop/STTP/ FDP attended	Organized by
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
One day workshop on “V-Labs” (11 th October 2019)	COEP Pune and WIT Solapur
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay
Online 4 week “Python Programming Essential” course	Coursera platform

Course/Workshop/STTP/ FDP attended	Organized by
Online STTP on “Internet of Things” from (1st – 7 th June 2020)	Apptroxix Technologie, Noida-Delhi NCR in association with AGPIET, Solapur
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore

v) **Prof. U. A. Bongale**

Course/Workshop/STTP/ FDP attended	Organized by
Online course on “LaTeX101x: LaTeX for Students, Engineers, and Scientists” (24 th September to 2 nd December 2019)	IIT, Bombay
AICTE FDP “Digital Signal Processing Algorithms: Optimization and Implementation” (2 th – 7 th Dec 2019)	DKTE, Ichalkaranji
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop” (17 th May 2020)	IIT, Bombay
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
Online course “Introduction to the Internet of Things and Embedded Systems”	Coursera platform
Online FDP on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” (5 th -10 th May 2020)	DBATU, Lonere
Online FDP on “Research, Funding Projects & IPR” (7 th -10 th May 2020)	K. C. College of Engineering and Management Studies and Research, Thane

vi) **Prof. P. P. Kulkarni**

Course/Workshop/STTP/ FDP attended	Organized by
One day workshop on “Linux” (23 rd Aug 2019)	IIT, Bombay
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore
One Day Coordinators Workshop “Arduino a Course in the IoT Series” on (18 th January 2020)	IIT, Bombay
Online AICTE recognized FDP on “Cloud, Fog Computing” (14-18 April 2020)	NITTTR Chandigarh
AICTE recognized Online FDP on “Internet of Things” (15-19 April 2020)	NITTTR Chandigarh
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
Online ATAL STTP on “Internet of Things” (25-29 May 2020)	DBATU, Lonere
Online AICTE recognized FDP on “Technological Interventions using Wireless Communication” (18- 22 May 2020)	NITTTR Chandigarh
Online FDP on “IoT & its Application in Industry” (8- 12 June 2020)	RAIT, Mumbai

vii) **Prof. Roshan Pushpan**

Course/Workshop/STTP/ FDP attended	Organized by
Workshop on “Executive Leadership Program” from (27 th -29 th February 2020)	DBATU, Lonere
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore
Online FDP on “Game Padagogy in Outcome Based Education” (11 th -12 th June 2020)	K C College of Engg. and Management studies and Research, Thane
Online FDP on “Exploring Emerging dimensions of Electronics (5 th -9 th June 2020)	Department of E&TC , St. John College of Engg. and Management, Palghar
Online FDP on “Advances and Research Opportunities in E&TC Engineering” (10 th -14 th June 2020)	Department of E&TC , SVERIs College of Engineering , Pandharpur

viii) **Prof. R. S. Bakare**

Course/Workshop/STTP/ FDP attended	Organized by
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay

ix) **Prof. A. A. Chandanshive**

Course/Workshop/STTP/ FDP attended	Organized by
STTP on "Research Methodology - Techniques & Softwares" (11-15 Nov 2019)	KBP, Satara
FDP on "Artificial Intelligence and Machine learning using Python" (10 th - 14 th Feb 2020)	DBATU, Lonere
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay
Online 9 week course “Image and Video processing: From Mars to Hollywood with a Stop at the Hospital”	Coursera platform
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
NPTEL 12 Weeks online course,” Biomedical Signal Processing” (Jan -April 2020)	IIT Kharagpur

x) **Prof. R. R. Shriram**

Course/Workshop/STTP/ FDP attended	Organized by
AICTE 8 week online FDP on “Module 1- Orientation Towards Technical Education And Curriculum Aspects” (2 nd March to 27 th April 2020)	NITTT
Online 7 week course on “Programming for Everybody (Getting Started with Python)”	Coursera platform
Online 6 week course on “Crash Course on Python”	Coursera platform

Course/Workshop/STTP/ FDP attended	Organized by
Online 7 weeks course on “Python Data Structures”	Coursera platform
Online course on “Introduction to Data Science in Python”	Coursera platform
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
One day workshop on “Linux” (23 Aug 2019)	IIT, Bombay
One day workshop on “Scilab” (4 th May 2020)	IIT, Bombay

xi) **Prof. S. R. Mulmane**

Course/Workshop/STTP/ FDP attended	Organized by
AICTE 8 week online FDP on “Module 1- Orientation Towards Technical Education And Curriculum Aspects” (2 nd March to 27 th April 2020)	NITTT
Online FDP on "ARDUINO" (25 th -30 th April 2020)	JSPM’s RSCOE In Association with ISTE Student Chapter And Spoken Tutorial, IIT Bombay
Online FDP on "Signal Image and video processing : A practical approach" from (26-30 May 2020)	Govt. College of Engineering, Karad under TEQIP- III
FDP on "Cyber Forensic and Cyber Security" (15 th -19 th June 2020)	Dept of CSE, G Narayanamma Institute of Technology & Science in collaboration with Indian services
Online FDP on Modern Educational Tools and Pedagogical Practices for Online Teaching (21 th – 25 th June 2020)	Vidyalankar Institute of Technology’s Department of First Year Engineering, Mumbai
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay

6) FDP CONDUCTED FOR FACULTY MEMBERS

- 1) One day workshop on “eSim” from IIT, Bombay was arranged on 21 September 2019. The coordinator for this workshop was Prof. R. S. Bakare and total 18 faculty members have attended this workshop.
- 2) FDP on “Mentor Graphics VLSI Tool: Frontend and Backend” from 19th June to 21st June 2020 was organized by dept. in association with Trident Techlabs, Pune. The FDP was coordinated by Dr. P. D. Bahirgonde.

- 3) Department has organized one day FDP on “Arduino” on 8th February 2020 conducted by IIT, Bombay. The FDP has been coordinated by Prof. P. P. Kulkarni.
- 4) One day FDP on “Special Topics in Industry Applications” on 3rd February 2020 sponsored by TEQIP DBATU, Lonere. The FDP has been coordinated by Prof. S. S. Dhotre.

7) INDUSTRY CONNECT

a) STUDENTS INDUSTRIAL TRAINING

Industrial training helps to make our students industry ready by exposing them to newer technologies and engineering methodologies. Also it provides great platform to students for exposure of industrial atmosphere & ethics. Well planned industrial training has been conducted for TY students in various industries listed below.

Sr. No.	Name of Skill Development Course	Name of Expert	Agency
1	Communication Protocols for Embedded and Automation applications	Mr. Mohan Kondle	Vedam Lab
2	Project development life cycle with Java	Mr. Mohan Kondle	Vedam Lab

For second year students, skill development course as a part of industrial training was conducted.

Sr. No.	Name of Skill Development Course	Name of Expert	Conducting Agency
1	Advance Arduino	Prof.R. S. Bakare Prof. P. P. Kulkarni	Institute Faculty
2	Internet of things	Mr. Mohan Kondle	Vedam Labs, Solapur
3	Electronics in IOT	Mr. Santosh Bhandarakawathe	IOTY, Solapur

Zensar Technologies and Zensar Foundation launched employability skill development (ESD) program for training of fresh graduates towards better readiness for the industry. Department has signed MOU with Zensar Technologies to conduct ESD programs for the students.

Zensar Technologies conducted screening test and 45 students shortlisted from T.Y E&TC for the ESD program. Under this program, students are getting chance to learn different modules in software. The different modules like MySQL/SQL database, Software Testing (Manual Testing), Softskills, Aptitude and Career Guidance has been conducted.

This program will enhance the employability of students.

b) INDUSTRY SPONSORED LABORATORIES AND NEW INITIATIVES

The faculty members have been striving hard to strengthen industry connect. State-of-art laboratories have been established in the department by different multinational companies. These include Analog Integrated Circuits lab sponsored by Texas Instruments and eYantra Robotics laboratory sponsored by IIT, Bombay.

In this academic year PMS Robotics Centre of Excellence Lab has been set up. Under this lab, training and research activities are being carried out. Total 35 students from S.Y. and 30 students from T.Y completed their level – 1 training from PMS Robotics. Also an open source lab has been established in association with IIT, Bombay. This lab is established to promote open source softwares like Scilab, eSim, Python and Virtual labs

An electronic component library has been established in the department. This year 73 students borrowed the electronic components from library for practicing and enhancing their technical skills for their project work.

8) POST-GRADUATION ACTIVITY

Post Graduation in E&TC started from A.Y. 2013-14 with an intake capacity of 18. Uptil now 20 students have completed their Post-Graduation. In this academic year two students have completed their post-graduation.

9) Association of Electronics & Telecommunication Engineering Students (AEXS)

The department has student association, which provides platform for their overall development. Through AEXS,

various extra-curricular activities were organized. The details of the activities performed are as follows-

Sr. No.	Activities conducted	Date
1	Gurupornima Celebration	16/07/2019
2	Guest lecture delivered by Mrs. Urmila Agarkar and Ms. Manasi Agarkar	23/07/2019
3	Kargil Vijay Divas celebration	26/07/2019
4	Independence Day Celebration	14/08/2019
5	Career Guidance session for competitive exam conducted by Mr. Buge from Unique Academy, Pune	23/08/2019
6	Fresher's day	25/08/ 2019
7	Teacher's Day	04/09/2019 05/09/2019
8	Engineer's day	13/09/19
9	Jal Shakti Program	13 th & 14 th September 2019
10	Guest lecture by Advocate & Judge of District Court on Traffic Rules, Fundamental Rights, Cyber Security & Ragging Act, Miscellaneous laws	18/01/2020
11	Poster Presentation	13/01/2020
12	Technical Quiz Competition	08/02/2020

Office Bearers of AEXS are as follows

Name of Association Post	Name of Office Bearer
President	Ms. Salave Anuradha
Vice-president	Mr. Bhavarthi Swapnil & Ms. Todkari Sharddha
Secretary	Ms. Suravase Aarti
Treasurer	Ms. Jawale Amruta
Head Technical Committee	Ms. Chavan Snehal & Ms. Yalgunde Nikita
Cultural Head	Ms. Yalgunde Ankita & Ms. Patil Paratiksha
Advisory Committee Head	Ms. Potdar Sneha & Mr. Mote Kaustubh
Info Gallery Head	Ms. Gurav Gayatri & Ms. Karachagoankar Shraddha

10) CO-CURRICULAR COURSES AND WORKSHOPS ARRANGED FOR STUDENTS

The technology is rapidly changing every now and then. On the contrary the university curriculum is updated after a few years. To fill the gap between the university curriculum and the industry requirements, lot of thrust is being given on co-curricular courses and workshops.

Following co-curricular courses and workshops were arranged for our students, so as to improve their skills and make them industry-ready.

Class	Resource Person	Workshop	Date
TE	Prof. U. A. Bongale	Spoken tutorial Scilab	28/07/19
	Sumit Kamble, Sofcon Technology, Pune	Automation Techniques	16/01/20
BE	Yashwant Chavan, Sofcon Technology, Pune	Embedded system	13/08/19
	Prof. R. R. Shriram	Spoken tutorial on Python	10/08/19
	Sumit Kamble, Sofcon Technology, Pune	Automation Techniques	16/01/20

• NPTEL courses

A lot of enthusiasm was observed in the students for online courses from NPTEL. Students registered for different courses viz., Principles of Signals and Systems, Principles of Communication Systems-I, Programming in C++, Problem solving aspects and Python programming, Computer Networks and Internet Protocol, Introduction to Internet of things, Digital Image Processing, Control System, Programming in JAVA, Digital Circuits, etc.

In this academic year, there were 710 enrollments from students for different NPTEL courses.

11) STUDENTS' AWARDS AND ACHIEVEMENTS a) Drishti Online Contest on 14 August 2019

Every year our students are participating in this contest conducted by EdGate Technologies with Texas Instruments. This online contest has multiple choice question form based on basic subjects and few Texas IC's. In all, 70 students were present for this contest.

Ms. Gayatri Ladda and Ms. Prajakta Bhandekar from T.Y.(E &TC) are the winners of the contest.

b) Following students have participated and won awards in different events.

Sr No	Name of Student	Event	Rank	Competition
1	Ankita Kashinath Inde (BE)	Poster presentation	1 st	Orchitech 2020
2	Ashiwini Gole (BE)	Poster presentation	1 st	
3	Aditi Kiran Uttarkar (BE)	Techno Buzz	1 st	Orchitech 2020
4	Sandhya V. Chittar (BE)	Techno Buzz	1 st	
5	Afifa Ayaz Shaikh (BE)	Poster Presentation	3 rd	Orchitech 2020
6	Afifa Ayaz Shaikh (BE)	Treasure hunt	3 rd	Orchitech 2020
7	Brijesh Patange (TY)	Debugging	1 st	AXES, EXTC, Dept. NKOCET
8	Brijesh Patange (TY)	Treasure hunt	Runner up	AXES, EXTC, Dept. NKOCET
9	Brijesh Patange (TY)	Tech-Roadies	1 st	Orchitech 2020

12) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPT. & INSTITUTE LEVEL ACTIVITIES

There has been active participation of our faculty members in various department level and institution level activities, which is evident from the following table.

Sr. No.	Name of Faculty	Department and Institute responsibilities
1	Prof. S. S. Dhotre	Senior Supervisor Solapur University, Member of Institute Innovation Cell, Coordinator of ARIIA, Member of Anti- Ragging Prevention Committee
2	Dr. P. D. Bahirgonde	PG coordinator, R&D coordinator, Women's Harassment Prevention Committee
3	Prof. S. S. Joshi	PTA coordinator
4	Prof. A. A. Kshirsagar	Robo Club coordinator, POE & Test coordinator
5	Prof. P. P. Kulkarni	Orchitech Institute Coordinator, Students Industrial Training coordinator, MOU coordinator, R&D member (Industry Connect), Expert lecture (industry) coordinator, CII coordinator

Sr. No.	Name of Faculty	Department and Institute responsibilities
6	Prof. Roshan Pushpan	Alumni coordinator, Project coordinator, Orchitech Dept. coordinator, Visit coordinator, NAAC & NBA coordinator, Suggestion Box Incharge
7	Prof. R. S. Bakare	T&P coordinator, Cocurricular courses coordinator
8	Prof. A. I. Nadaf	Cultural Coordinator, Video recording coordinator, Apprend Coordinator, Newsletter coordinator
9	Prof. U. A. Bongale	Spoken Tutorial coordinator
10	Prof. A. A. Chandanshive	Library coordinator, Career counselling coordinator, R&D coordinator (Incubation), Diploma Connect coordinator, GATE coordinator, AEXS coordinator
11	Prof. R. R. Shiram	Sports Activity coordinator, Alumni coordinator NPTEL coordinator, Time table coordinator
12	Prof. S. R. Mulmane	Dept. Library coordinator, Alumni coordinator, Dept. Website Coordinator, Dept. Archives coordinator

13) CO-CURRICULAR COURSES & WORKSHOPS CONDUCTED FOR VARIOUS POLYTECHNIC STUDENTS

Following co-curricular courses & workshops were conducted by our faculty members for various polytechnic colleges.

Sr No	Name of Faculty/ Staff	Workshop conducted	Name of Polytechnic
1	Prof. A. A. Kshirsagar & Prof. S. R. Mulmane	PCB Design Workshop (19/01/2020)	GP, Solapur
2	Prof. R S Bakare & Prof. P. P. Kulkarni	Arduino workshop (28 & 29 th January 2020 & 01/02/2020)	S.E.S. Polytechnic, Solapur
3	TEQIP, DBATU Lonere	Special Topics in Industry Application (03/02/2020)	SVIT, Solapur
4	Prof. R S Bakare	Arduino workshop (18/01/2020)	SVSMD's Polytechnic, Akkalkot
5	Prof. R S Bakare & Prof. P. P. Kulkarni	Arduino workshop (07/01/2020)	GP, Osmanabad

14) EXPERT LECTURES BY EMINENT PERSONALITIES FROM VARIOUS FIELDS

Students were exposed to the most recent developments in technology through expert talks by different experts from industry. The details are as follows.

Class:- S.Y.			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Chandrasekhar, Director, Technique Design Group, Secunderabad	13/07/2019	Robotics
2	Mr. Amar Pol, Senior Embedded Engineer, John Deere	13/07/2019	Career opportunities in Embedded Domain
3	Dr. Ramesh Nishank, Union Minister for HRD	22/08/2019	Leadership Talk Series – Innovation for Resurgent India
4	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Opportunities for Electronics Engineers
5	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Amhi Sare Circuit
6	Mr. Santosh Bhandarkawathe, IOTY, Solapur	21/09/2019	Introduction to IoT
7	Ms. Tejashri Parurkar Research Scholar	18/01/2020	Career Opportunities after MS
8	Ms. Shweta Mhamane, Design Engineer, Sankalp Semiconductors	22/02/2020	Opportunities in VLSI

Class:- T.Y.			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Mohan Kondale, Director, Vedam Labs, Solapur	09/07/2019	Guidance for Internship test
2	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Amhi Sare Circuit
3	Mr. Santosh Bhandarkawathe, IOTY, Solapur	21/09/2019	IoT and Cloud services

Class:- B.E.			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Yashwant Chavan Sofcon Industry, Pune	13/08/2019	Basics of Embedded C and Hands on Raspberry Pi
2	Mr. P. R. Sivakumar, CEO, Maven Silicon	21/08/2019	VLSI design using VerilogHDL
3	Mr. Vishal Adheli Software developer, V-pace technology, Solapur	26/08/2019	Java script & Node JS
4	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Amhi Sare Circuit

15) EXPERT LECTURES DELIVERED AND PRACTICALS CONDUCTED BY OUR FACULTY MEMBERS FOR VARIOUS POLYTECHNIC COLLEGES

Following faculty members have contributed in development of the students of other institutes by delivering expert lectures.

Sr. No	Name of faculty	Topic	Name of Polytechnic college
1	Prof. S. S. Joshi	VLSI Design (07/01/2020)	GP, Solapur
2	Prof. P. P. Kulkarni	Radar & Microwave Engg. (30/08/2019)	S.E.S Polytechnic, Solapur
3	Dr. P. D. Bahirgonde	VLSI Design (17/02/2020)	GP, Osmanabad

Following is the list of Practicals conducted for polytechnic colleges

Sr No	Name of Faculty/ Staff	Practicals conducted	Name of Polytechnic
1	Prof. S. R. Mulmane	Control systems (19/08/19)	GP, Solapur
2	Prof. P. P. Kulkarni	Microwave Engg. (30/08/19)	
3	Prof. Roshan Pushpan	Computer Hardware and Networking (30/01/2020)	
4	Prof. A. I. Nadaf	Optical Communication (30/01/2020)	
5	Prof. S. S. Joshi	VLSI Design conducted (30/01/2020)	

Sr No	Name of Faculty/ Staff	Practicals conducted	Name of Polytechnic
6	Dr. P. D. Bahirgonde	VLSI design (27/02/2020)	SVIT, Solapur
7	Prof. R S Bakare	Consumer Electronics (27/02/2020)	
8	Dr. P. D. Bahirgonde	VLSI Design (17/02/2020)	GP, Osmanabad

16) MOU

This year MOU with Technique Design Group, Secunderabad has been signed w.e.f. 13th July 2019 to 12th July 2022. Under this MOU various activities like Expert sessions and Sponsored projects will be conducted. Also an MoU has been signed with PMS Robotics, Pune on 21st Jan 2020. PMS Robotics has established a centre of excellence in the department. Students will be trained by PMS Robotics, Pune on Robotics automation, Python Programming, Artificial Intelligence and Internet of Things. Also Students will get an opportunity to work on industry problems. An MoU has also been signed with Government Polytechnic, Osmanabad w.e.f. 1st Sept 2019 to 30th Aug 2021. Under this MoU, department will extend curricular activities and lab facilities with students of Government Polytechnic, Osmanabad.

17) ACTIVITIES DURING LOCKDOWN PERIOD

The current situation has led to closing down of schools, colleges and universities following the spread of Covid-19. This has further affected the students and aspirants preparing for their future. But we believe that learning should not stop, hence physical education has moved to the virtual mode. Online classes have been conducted to continue the education even when the college is closed. Along with these online internships, informative webinars are arranged for students.

- i) A live webinar on “Industrial Robotics: Low Cost Automation – Need of Industry” was organized by the dept. on 9th June 2020. The resource person was Mr. Pushpasheel Salunke, Director PMS Robotics

- ii) Online internship on “Internet of Things” was organized from 11th to 20th June. Total 33 students from FY and 59 students from other engineering colleges across Maharashtra and one student from Hyderabad has successfully completed the internship.

- iii) During lockdown period, online internships through Coursera platform is completed by all S.Y. and T.Y students.

- iv) Various online courses, workshops, FDPs, STTP and training sessions have been successfully completed by our all faculty members.

- v) Online proctor meetings are conducted by respective proctor teachers.

Parents meet was conducted by HOD, class coordinators and T&P coordinator to make parents aware of placement activities and importance of PPW sessions.

- vi) Students association AEXS has organized online competitions such as C, C++ Online Quiz competition, Poster Making (Lockdown Theme), Short Film Making (My lockdown Story) and Essay writing (My lockdown Story).

- vii) Syllabus of practical subjects is covered using Virtual lab platform for all the subjects.

- viii) Online presentations for Mini projects and final year projects are conducted by forming the panel of faculty members for evaluation.

- ix) Video lectures are recorded by faculty members on important topics and made available to final year diploma students.

18) PARENT TEACHER ASSOCIATION (PTA)

PTA is a platform where two parents from each class and faculty members meet once in a semester for sharing achievements of department/students, various initiatives of dept. rules and regulations and placement activities. Also it is a good interface between faculty, students and parents to put their problems and resolve the same

Following is the list of PTA

Class	Name of Student	Parent Name
SE	Abhishek Kalshetti Sanket Phadtare	Mrs. Manjula Kalshetti Mrs. Vandana Phadtare
TE	Shripuram Nivedita Pratiksha Patil Shankar Patil	Mrs. Rajani Shripuram Mrs. Anita Patil Mrs. Vilas Patil
BE	Anuradha M. Kale Aditi K. Uttarkar Vaibhavi P. Humnabadkar	Mr. Mallinath Sopan Kale Mrs. Ranjana Uttarkar Mrs. Pallavi P. Humnabadkar

(Prof. S. S. Dhotre)

Head

Department of Electronics & Telecommunication

Engineering