

Electronics & Telecommunication Engineering

Department

Annual Report A.Y. 2021 – 22



It gives me immense pleasure to present the annual report of E&TC Engineering department, which includes various activities and achievements during the academic year 2021-22. It is the TEAM work that has made the difference.

In response to the COVID-19 pandemic, we have continued with curricular and co-curricular activities in online mode for the odd semester. College is re-opened for even semester by following all the safety measures and guidelines provided by UGC. At the starting of odd as well as even semester, orientation sessions were conducted for each class by the Head of Department, Class Coordinators, Training & Placement Coordinator, GATE & Career Counseling Coordinator and Industrial Training coordinator. These orientation sessions have helped the students to understand the academic, co-curricular and extra-curricular requirements and the activities to be performed. This ensures that students are well prepared for placements and other career opportunities by the time they enter the final year.

1) ACADEMIC PERFORMANCE (ACADEMIC YEAR 2020-21)

B.Tech. (E&TC)

- **Class result: 100%**
- The first five rankers of B.Tech. are as follows.

Rank	Student Name	CGPA
1	Chavan Snehal Karan	9.41
2	Alla Rajeshwari	9.22
3	Surwase Arati Sumant	9.21

4	Kale Prathamesh Nanasaheb	9.17
5	Giri Ankita Vishwanath	9.11

TY (E&TC)

- **Class result: 100%**
- The first five rankers of TY are as follows.

Rank	Student Name	CGPA
1	Shravani Krishna Hiremath	9.55
2	Neharika Shriniwas Burla	9.49
3	Abhishek Vijaykumar Kalshetti Muskan Pathan	9.43
4	Pooja Rajkumar Birajadar	9.4
5	Yashashree Anmol Shete	9.38

SY (E&TC)

- **Class result: 100%**
- The first five rankers of SY are as follows.

Rank	Student Name	CGPA
1	Kawade Mitali Deepak	9.86
2	Ladda Ratnesh Deepak	9.73
3	Bhosage Shashikant Apparao Telkar Pooja Shrikant	9.7
4	Malpeddi Shrutika Raju	9.66
5	Chitkul Ankita Krishnahari	9.64

Best outgoing student:

Based on the academic performance, co-curricular activities and extracurricular activities, **Mr. Abhishek Kalshetti** has been selected as the best outgoing student of E&TC department for the academic year 2021-22.

2) ONLINE ACTIVITIES DURING ODD SEMESTER

COVID-19 pandemic has led to closing down of schools, colleges and universities. This has further affected the students and aspirants preparing for their future. But we believe that learning should not stop. Hence physical education was moved to the virtual mode during the entire odd semester. Many innovative ways and online tools are used to make online learning effective. Online classes have been conducted to

continue education even when the college is closed. Also online internships and informative webinars were arranged for students. Online lectures are conducted using Google meet and all the assignment submissions and tests are carried out on Google classroom. Details of online activities are given below.

- a. During online teaching phase, internships through various online platforms are completed by all S.Y. students. Online industrial training was conducted as an internship by industries like Zensar technologies Ltd., Pune and GTT for T.Y. students. Total 68 students from final year are undergoing their Sem-VIII internships at various industries with good stipend.
- b. Various online courses, workshops, FDPs, STTP and training sessions have been successfully completed by all our faculty members.
- c. 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.
- d. Students association AEXS has organized online competitions such as Art Competition on the occasion of republic day.
- e. Syllabus of all the practical subjects are covered using Virtual lab platform.
- f. Online presentations for Mini projects and final year projects are conducted by forming a panel of faculty members for evaluation.
- g. Video lectures are recorded for mathematical subjects by the faculty members on important topics and made

them available to the students.

- h. Continuous assessment and Mid-sem exams are conducted online through various platforms such as Google classrooms and Google forms. The exams are not only restricted to multiple choice questions (MCQs) but various activities such as open book exam, presentations, design and drawing type assignments and mini projects are also conducted for different subjects. These additional activities are conducted for overall knowledge and skill assessment of students.

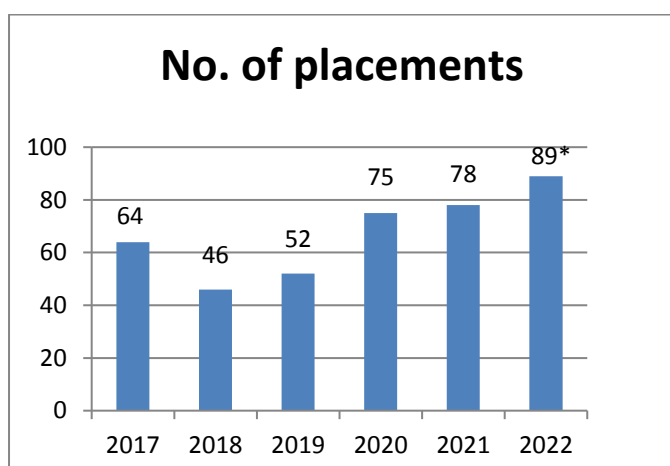
3) OFFLINE ACTIVITIES DURING EVEN SEMESTER

As college has reopened during even semester, precautions are taken, both inside and outside the classroom, to prevent the spread of COVID-19. All the classes and practical sessions are conducted in the offline mode. All the training programs and workshops are also conducted in offline mode. Although, use of Google classroom is continued to share notes of all the subjects. Also faculty feedback is taken in online mode using Google forms. All the student association activities are conducted as per schedule in offline mode.

4) TRAINING & PLACEMENT

The Training & Placement cell is taking utmost care for the placements and providing ample opportunities to the students. Softskill and Aptitude sessions are added in daily timetable for all the classes. Various activities were conducted in a planned manner, which are as follows.

- Pre-Placement Workshop was conducted for Final Year students on General Aptitude and Interview Techniques by inhouse aptitude trainer and soft skill trainers.
- Special classes were conducted for TY students on general aptitude and soft skills by external agencies.
- For overall personality development of students, additional lectures on soft skills and aptitude were included in regular class time-table.
- Well planned company specific trainings were conducted before every Placement drive. As a result, total 89 students of Final year (E&TC) have been placed in different multinational and core companies till date.



*still ongoing

Drives of different companies are still in progress at the time of this report writing.

5) DEPARTMENT ADVISORY BOARD (DAB)

The aim of DAB is to review and enhance the quality of Curricular, Co-curricular, Extra-Curricular Activities, Student Internships and Placements.

DAB meetings are conducted in online as well as offline mode to take valuable suggestions from DAB members. Important points of

discussion were Vision, Mission, PEOs and PSO statements of department, placements and internships.

Members of DAB committee are as follows:

Sr. No	Name	Designation & Company/ Institute
1	Mr. P. Chandrasekar	Director, Technique Design Group, Secunderabad
2	Mr. Pradip Dhage	COO, STPI NEXT INITIATIVES, Bengaluru
3	Mr. R. M. Deshmukh	Head – IT Dept., Volkswagen, Pune
4	Mr. Amar Pol (Alumni 2012)	Senior Embedded Engineer, John Deere, Pune
5	Mr. Ravi Shidore	Director, Shidore Microsys, Pune
6	Dr. Satish Ket	Professor (CSE), R. G. I. T., Andheri(W), Mumbai
7	Dr. M. M. Sardeshmukh	HOD (E & TC Engg), J. S. P.M., Narhe,Pune
8	Mr. Pushpsheel Salunkhe	Director, PMS Robotics, Pune
9	Prof. S. S. Dhotre	NKOCET, Solapur
10	Prof. Roshan Pushpan	NKOCET, Solapur

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

6) PROGRAM ACADEMIC COMMITTEE (PAC)

The main objective of PAC is to improve and monitor the quality of teaching-learning process. The Program Academic Committee is formed with the following members:

Sr. No.	Module	Module Coordinator
1	Analog Electronics	Prof. I. I. Mujawar
2	Basic Communication Engineering	Prof. S. S. Dhotre (Chairman)
3	Advanced Communication Engineering	Prof. Roshan Pushpan (Secretary)
4	Embedded Systems & VLSI	Prof. S.V. Bag
5	Signal Processing	Dr. P. D. Bahirgonde

6	Computer Programming	Prof. U. A. Bongale Prof. A. I. Nadaf
7	Mini and Major Projects	Prof. Roshan Pushpan Prof. A. I. Nadaf

Scope of PAC: The program academic committee plays an important role in ensuring the quality of course delivery and assessment. The PAC members have worked actively to ensure:

- The teaching plans are in place before commencement of class work.
- Mapping of lecture outcomes drafted by course coordinator are inline with course outcomes.
- Course outcomes drafted by the course coordinators are inline with the program outcomes.
- Mapping of course outcomes and program outcomes.

7) FACULTY ACHIEVEMENTS

- Prof. A. A. Chandanshive** qualified GATE-2022 Exam in "Electronics and Communication (EC)" and "Electrical Engineering (EE)".
- Prof. Akhtar Nadaf** presented a research

9) WORKSHOPS, SEMINARS, STTPS ATTENDED BY FACULTY MEMBERS

Faculty members have enthusiastically attended different workshops, STTPs and FDPs in online as well as offline mode, details are given below.

Sr. No.	Course/Workshop/STTP/ FDP attended	Organized by	Date
1.	Prof. S. S. Dhotre		
	One week ATAL online FDP on "Hands- On Workshop on Software Defined Radios"	Shiv Nadar University, Noida	7 th -11 th March 2022
	One week ATAL online FDP on "Wireless Communication Technologies"	Atal Bihari Vajpayee Indian Institute of Information Technology and Management	21 st - 25 th June 2021
	Two week AICTE AQIS FDP on "Data Science"	Dr Babasaheb Ambedkar Technological University, Lonere	6 th - 17 th June 2022

paper in International Conference on communication, devices and networking 2021 entitled as "Decision tree based classification of SEMG and accelerometer data of sign language" This paper received best paper award.

8) FACULTY PUBLICATIONS

- Dr. P. D. Bahirgonde** published paper titled "Repeating Pattern Extraction Technique (REPET), a Novel and Simple Approach for Separating the Repeating "Background" from the Non-repeating "Foreground" in a Mixture" in International Journal of Computer Application, November 2021.
- Prof. S. A. Kashid** published paper in springer journal "Applied Computational Technology", titled "Face Expression Recognition using SVM and KNN classifier with HOG Features, in May 2022.
- Prof. A. I. Nadaf** published a research paper in International Conference on communication, devices and networking 2021 entitled as "Decision tree based classification of SEMG and accelerometer data of sign language".

	One week online STTP on “Research Funding and Patent Filing”	Dept of IT, Sinhgad Institute of Technology, Lonavala	25 th - 29 th Oct 2021
	One week AICTE Sponsored online STTP on “Machine Learning”	Dept of EXTC Engg, Dr J. J. Magdum College of Engineering, Jaysingpur	24 th - 29 th Jan 2022
2.	Dr. P. D. Bahirgonde		
	Two days national symposium on “Best practices in higher and technical education institutes”	VIT Mumbai and NACC Bengaluru	28 th -29 th April 2022
	One week ATAL online FDP on Machine Learning Applications in "Micro-Nano VLSI Technologies"	BVRIT Hyderabad	21 st – 25 th June 2021
	One week ATAL online FDP on "VLSI Design, Verification and Testing"	Government Engineering College, Rajkot College of Engineering for Women	07 th -11 th Nov 2021
	Two days TEQIP-III sponsored online FDP on "Medical Imaging: Special topics in MRI"	NKOCET, Solapur and AGCE, Satara	24 th - 25 th Sept 2021
3.	Prof. S. V. Bag		
	One week workshop on "Embedded Systems - An Application Driven Approach"	AICTE, ATAL Academy, STMicroelectronics and Arm Education	25 th - 27 th August 2021
	ISTE approved online one week STTP on "Emerging Trends in Pervasive Electronics Industrial Internet of Things"	Department of Electronics and Telecommunication Engineering GHRIET, Nagpur	21 st – 25 th Feb 2022
4.	Prof. U. A. Bongale		
	One Week Online Training Program on "Electrical & Electronic Systems for wind & solar"	NITTTR Chennai (Ministry of Education, Government of India.)	4 th – 8 th Oct 2021
	One Week Online Training Program on “Counselling for Student Development”	NITTTR Chennai (Ministry of Education, Government of India.)	13 th – 17 th Sept 2021
	11th CII Education Summit Preparing Human Resource for new India	CII, India	21 st -22 nd Oct 2021
	Impact Lecture on “Innovation and Entrepreneurship”	MIT, Aurangabad	8 th Nov 2021
5.	Prof. Roshan Pushpan		
	Two days TEQIP-III sponsored online FDP on "Medical Imaging: Special topics in MRI"	NKOCET, Solapur and AGCE, Satara	24 th - 25 th Sept 2021
6.	Prof. R. S. Bakare		
	15 days training on "Advanced Java"	Zensar Technologies, Pune	21 st March – 4 th Apr 2022
7.	Prof. A. I. Nadaf		
	One Week “Inculcating Universal Human Values in Technical Education”	All India Council for Technical Education (AICTE)	14 th -18 th June, 2021
	15 days training on "Java"	Zensar Technologies, Pune	23 rd Aug-04 th Sept 2021
	15 days training on "Advanced Java"	Zensar Technologies, Pune	21 st March – 4 th Apr 2022
8.	Prof. A. A. Chandanshive		
	One Week National Level Online Faculty Development Program on “Recent Research Trends in Biomedical Technology”	Dept. of Biomedical Engineering, BIGCE, Solapur	from 4 th - 8 th April-2022
	One Week “Inculcating Universal Human Values in Technical Education”	All India Council for Technical Education (AICTE)	14 th -18 th June, 2021
9.	Prof. R. R. Shriram		
	15 days training on "Advanced Java"	Zensar Technologies, Pune	21 st March – 4 th Apr 2022
	Four days FDP on "Product Innovation in AI & ML"	Zensar RPG Foundation	01 st -15 th Feb 2022
	Two days TEQIP-III sponsored online FDP on "Medical Imaging: Special topics in MRI"	NKOCET, Solapur and AGCE, Satara	24 th - 25 th Sept 2021
	15 days training on "Java"	Zensar Technologies, Pune	23 rd Aug-04 th Sept 2021

	Two days summit on "Agile"	Innovation Roots	15 th -16 th May 2021
	Five weeks online course on "Web Applications and Django"	University of Michigan, Coursera	27 th Dec 2021 onwards
	Eight weeks online FDP on "Instructional Planning and Delivery"	AICTE-NITTTR	1 st Sept - 31 st Oct 2021
	Eight weeks online FDP on "Technology enabled learning and Life-long Self Learning"		
	Eight weeks online FDP on "Student Assessment and Evaluation"		
	Eight weeks online FDP on "Creative Problem solving, Innovation and meaningful R&D"		
	Eight weeks online FDP on "Institutional Management and administrative Procedures"		
	15 days training on "Advanced Java"	Zensar Technologies, Pune	21 st March – 4 th Apr 2022.
10.	Prof. S. R. Mulmane		
	One week ATAL FDP on “Control Systems & Sensor Technology”	Madan Mohan Malaviya University of Technology Gorakhpur	17 th - 21 st Oct 2021
	One week ATAL FDP on “Control Systems & Sensor Technology”	Bhilai Institute of technology, Durg	2 nd - 6 th Nov 2021
	Two days TEQIP-III sponsored online FDP on "Medical Imaging: Special topics in MRI"	NKOCET, Solapur and AGCE, Satara	24 th - 25 th Sept 2021
	One week ATAL FDP on “Electronic Devices & Circuits”	Engineering Degree Division, Institute of Engineering and Rural Technology	24 th - 28 th Jan 2022.
11.	Prof. Vaibhav Nema		
	Two days e-Yantra workshop on "Robotics & Embedded System"	IIT- Bombay	10 th -11 th June 2022

10) FACULTY AS A RESOURCE PERSON

- Prof. S. S. Dhotre delivered Expert Lecture in Online International FDP on “ Emerging Research Trends in Communication” organized by Dept of Electronics and Telecommunication Engg, D. Y. Patil College of Engineering, Akurdi, Pune from 28th June – 2nd July 2021.
- Prof. I. I. Mujawar was invited as a resource person for one day workshop organized by Maulana Azad polytechnic, Solapur, on topic “Role of soft skills” in successful teaching career on 30th Apr 2022.
- Prof. I. I. Mujawar was invited as a resource person for one day FDP organized by Mudhoji

College, Phaltan on topic “Road map to success” on 20th May 2022.

11) FACULTY DEVELOPMENT PROGRAMS & WORKSHOPS CONDUCTED

- TEQIP III Sponsored two days online FDP on “Medical Imaging Special Topics in Magnetic Resonance Imaging”**
 - Date: 24th – 25th September 2021.
 - FDP Coordinator: Prof S. S. Dhotre.
 - Resource persons:
 - From Center for Industrial Mathematics, Bhaskaracharya Pratisthan, Pune, Cummins College of Engg., Pune, MIT Academy of Engineering, SP Pune, Department of

Dentistry, Noble Hospital Magarpatta,
Pune, Arvind Gavali COE, Satara.

- No. of participants: 52
- Mode: Online

b) Workshop on "Arduino" for students

- Date: 27th - 1st October 2021.
- Resource Persons:
 - Dr. V.S. Shirwal
 - Prof. R. S. Bakare
- Class : SY
- No. of participants: 33
- Mode : Online(5 days), Offline(1 day)

c) Workshop on "e-Yantra Embedded system" for students

- Date: 8th - 14th November 2021.
- Workshop Coordinator: Prof. A. I. Nadaf
- Resource Person: Mr. Vaibhav Patil
- Class : SY
- No. of participants: 85
- Mode : Offline

d) Workshop on "Arduino" for students

- Date: 11th -12th Feb 2022.
- Resource Person: Prof. R.S. Bakare
- Class : SY
- No. of participants: 18
- Mode : Offline

e) Workshop on "MATLAB and SCILAB" for students

- Date: 17th -18th Feb 2022.
- Resource Person: Dr. P.D. Bahirgonde
- Class : SY
- No. of participants: 18
- Mode : Offline

f) Workshop on "Arduino" for students

- Date: 19th - 20th May 2022.

- Workshop Coordinator : Prof. R.S. Bakare
- Resource Persons:
 - Prof. Roshan Pushpan
 - Prof. S. R. Mulmane
 - Prof. Vaibhav Nema
- Class : TY
- No. of participants: 85
- Mode : Offline

12) INDUSTRY CONNECT

A) Students Industrial Training and Internships

Industrial training helps to make 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.

Final year students are undergoing their internships of one semester in various industries listed below:

Sr. No	Name of Industry	No. of Students	Stipend (Rs.)
1	Persistent System Ltd,Pune	13	10000/-
2	Wipro Ltd,Pune	6	--
3	Bodhi Technology Pvt Ltd, Solapur	5	--
4	Vertex Technosys, Solapur	11	---
5	Crave infotech Pvt Ltd	1	--
6	Evobi Automation Bibox Lab	1	20000/-
7	Evosys	1	10000/-
8	Micromax Instruments, Pune	2	5000/-
9	MindBorn Software Solutions, Solapur	12	--
10	Pentagon Space, Bangalore	4	--
11	Qspiders Campus Connect, Pune	5	--
12	Qwert Limited	1	--

13	SAN AI & MECHATRONICS Pvt. Ltd	1	3000/-
14	SGMS Infotech,Pune	1	--
15	Vighanharta Technology, Pune	3	5000/-
16	Vyom Lab, Baner Pune	1	--
Total students		68	

For third year students, online industrial training was conducted as given below:

Sr. No.	Name of Industry/ Platform	No. of Student	Training on	Duration
1	Zensar Technologies Ltd. Pune	47	Java	10 days (23 rd Aug-04 th Sept 2021)
2	Zensar Technologies Ltd. Pune	47	Advance Java	10 days (23 rd Mar -04 th Apr 2022)
3	GTT, Pune	38	C Programming	1 week (19 th - 27 th Aug 2021)

As a part of industrial training, following inhouse workshops are conducted for S.Y. students.

Sr. no.	Course name	No. of students	Duration
1	Arduino Uno	33	Two days (11 th -12 th Feb 2022)
2	Matlab & Scilab	18	Two days (17 th -18 th Feb 2022)
Total students		33	

B) Industry Visit

A study tour for TY students was undertaken to Research and Development Section, Polnet Terminal (V-SAT), Wireless Museum and AryaBhata Open Museum of Police Wireless Head-Quarters, Pune on 04/06/2022.

The study tour helped students understand various wireless communication R&D activities carried out in Police Department. The students could also explore Polnet i.e Police Network which uses the VSAT (Satellite communication) for networking. The wireless museum exhibits

the wireless communication equipment used by Police Department since past 100 years.

The study tour was attended by 62 students and 3 faculty members.

C) Expert Lectures by Eminent Personalities from Various Fields

Students are 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	Date	Topic
1	Mr Swapnil Bhavarthi (KPIT, Pune)	20/11/21	How to prepare for NQT, InfyTQ, NTH.
2	Prof. I. I.Mujawar (NKOCET, Solapur)	12/04/22	Road map to Academic Success
3.	Mr. Abhjeet Vadepalli (Infosys, London)	29/05/22	Recent trends in software recruitment process
Class:- T.Y.			
Sr. No	Resource Person	Date	Topic
1	Mr Swapnil Bhavarthi (KPIT, Pune)	20/11/21	How to prepare for NQT, InfyTQ, NTH
2	Prof.I.I.Mujawar (NKOCET, Solapur)	12/04/22	Road map to Academic Success
3	Mr. Kapil Agaje (Digicom Semiconductor Pvt. Ltd.)	29/05/22	Introduction to selection process for VLSI based companies
Class:- Final Year			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Kapil Agaje (Digicom Semiconductor Pvt. Ltd.)	29/05/22	Introduction to selection process for VLSI based companies

13) ASSOCIATION OF ELECTRONICS & TELECOMMUNICATION ENGINEERING STUDENTS (AEXS)

The department has an active student association – AEXS, which provides a platform for students’

overall development. Through AEXS, various extra-curricular activities were organized. The details of the activities organized are as follows:

Sr. No.	Activities conducted	Date
1	Online Farewell for final year students	16/08/21
2	Online Engineer's Day	15/09/21
3	"Art Competition" on the occasion of Republic Day	25/01/21
4	Department's Technical event "Espire 2022"	29/04/22
5	Fresher's Welcome	07/05/22
6	Farewell to Final year students	08/07/22

Office Bearers of AEXS are as follows :

- President
Ms. Sowjanya Kancherla
- Vice- President
 - 1) Ms. Sagar Kiran
 - 2) Ms. Hinge Pritam
- Secretary & Co Secretary
 - 1) Mr. Vyankateh Jagtap
 - 2) Ms. Snehal Chavan
- Technical committee Head
 - 1) Mr. Amarnath Patil
 - 2) Ms. Ruchira Katewal
- Info gallery committee Head
 - 1) Ms. Rubade Shradha
 - 2) Ms. Telekoni Pooja
- Cultural committee Head
 - 1) Ms. Kawade Mitali
 - 2) Mr. Korbu Saniya
- Treasurer
Mr. Wagaj Sushama

14) NPTEL COURSES

A lot of enthusiasm was observed in the students for online courses from NPTEL. Students

registered for different courses for credit transfer and minor degree.

A) Credit Transfer from SWAYAM Platform Courses

As the All India Council for Technical Education (AICTE) has urged all universities and colleges to allow up to 20 percent credit transfer in every semester through the central government's SWAYAM, Students of final year are enrolled in following NPTEL courses on SWAYAM platform. Details of student enrolment is as given below.

Sr. No.	Class	NPTEL online course	No. Of students registered
1	Final Year B.Tech	Introduction to internet of things	73
2	Final Year B.Tech	Computer vision and Image processing	73

B) Honors and Minor Engineering Degree

Dr. Babasaheb Ambedkar Technology University (DBATU) has announced Honors & Minor degree programs for students pursuing Bachelor of Technology as a major reform from the academic year 2020-21. DBATU, has become first of its kind in the State to have such a facility. Under this, students get to study two degrees with the program. While they can continue securing a degree in B.Tech, they can also opt for any minor program. While a student can opt for ENTC engineering as a main degree, the same student can go for Computer Science engineering as minor degree. This will be a major boost to enhance student's employability.

Following is the list of NPTEL courses for which ENTC students have registered for

minor degree in Computer Science Engineering.

Sr. No.	Class	NPTEL online course	Minor Degree	No. of students registered
1	T.Y.	Problem solving through programming in C	Minor in CSE Minor	84
2	T.Y.	operating systems Fundamentals		

15) STUDENTS' AWARDS AND ACHIEVEMENTS

Following students have participated and won awards in different events.

Sr. No	Student name	Event/ Competition	Organized by
1	Farheen Pathan (SY)	Kalpak-2K22 (Technical Treasure Hunt)	SSWCOE, Solapur
2	Sourabh Jadhav (TY) Meghana Vijapure (TY) Habiballa Mohannod Yunus Attar (SY) Bhagyashri Galpalli (SY) Laxmi Boga (SY) Sumit Shripati (SY)	Espire-2K22 (Python Programming)	NKOCET, Solapur
3	Sakshi Narone (SY) Vyanktesh Jagtap (SY)	Espire-2K22 (Circuit Built up)	NKOCET, Solapur
4	Vishal Nargunde (TY) Shrutika Malpedi(TY) Mukteshwar Dasari (SY) Dhiraj Ippakayal (SY)	Espire-2K22 (Treasure Hunt)	NKOCET, Solapur

16) CONTRIBUTION OF FACULTY MEMBERS IN DEPARTMENT & 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	<ul style="list-style-type: none"> Head of Department, Chairman - Dept. Advisory Board IQAC member Member of Institute Innovation Cell Member of Anti- Ragging Committee
2	Prof. I. I. Mujawar	<ul style="list-style-type: none"> Dean Counseling & Student Welfare PTA coordinator
3	Dr. P. D. Bahirgonde	<ul style="list-style-type: none"> Dean Academics PG coordinator NPTEL coordinator R&D coordinator Internal Complaint Committee Head
4	Prof. S. S. Joshi	<ul style="list-style-type: none"> POE & Test coordinator S.Y. – A Div Class coordinator- Sem-I
5	Prof. Roshan Pushpan	<ul style="list-style-type: none"> Seminar & Project coordinator Final year Class Coordinator – Sem- I & II Accreditation & AMC coordinator DAB Secretary Suggestion Box Incharge
6	Prof. R. S. Bakare	<ul style="list-style-type: none"> Training & Placement coordinator Alumni coordinator MOU coordinator CII coordinator
7	Prof. A. I. Nadaf	<ul style="list-style-type: none"> Roboclub coordinator Cultural coordinator Virtual lab coordinator Student competitions and Hackathon coordinator TY Class coordinator- Sem-II
8	Prof. U. A. Bongale	<ul style="list-style-type: none"> Co-curricular courses coordinator S.Y. B – Div Class coordinator- Sem-I Internship & training coordinator Spoken Tutorial coordinator
9	Prof. A. A. Chandanshive	<ul style="list-style-type: none"> AEXS coordinator Career counseling & GATE coordinator Innovation Cell Dept. coordinator Equal opportunity coordinator SY B Class coordinator- Sem-II Central Library Committee member
10	Prof. R. R. Shriram	<ul style="list-style-type: none"> Sports coordinator Time table coordinator Programming practice coordinator SY A Class coordinator- Sem-II

11	Prof. S. R. Mulmane	<ul style="list-style-type: none"> Website coordinator T.Y. Class coordinator- Sem-I Activity Register & Annual Magazine Report coordinator Archives Coordinator Student welfare coordinator
12	Prof. S. A. Kashid	<ul style="list-style-type: none"> Newsletter Coordinator Diploma Connect Coordinator
13	Prof. Vaibhav Nema	<ul style="list-style-type: none"> Department Library

6	Prof. A. I. Nadaf	Three days workshop on Android App Development (18/04 – 22/04/22)	SES Polytechnic, Solapur	30
7	Prof. S. V. Bag Prof. U.A. Bongale Prof. Roshan Pushpan	One day workshop on 1) VLSI Design 2) Optical Networking System 3) Computer Networking System (25/04/22)	Govt. Polytechnic, Solapur	70

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

“Virtual labs” is an initiative of Ministry of Education under the National Mission on Education through ICT. It is difficult to complete the laboratory experiments due to closure of colleges for the students due to COVID-19 pandemic. Hence, virtual laboratories are used to conduct practicals of our students as well as students of many diploma colleges.

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

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

Sr. No.	Name of Faculty	Workshop conducted	Name of Polytechnic	No. of students attended
1	Prof. S. S. Dhotre Dr. P. D. Bahirgonde Prof. S. V. Bag Prof. A. A. Chandanshive	Four days workshop on Circuit Simulation using Proteus (30/08 - 02/09/21)	All diploma Colleges in Solapur	30
2	Prof. R.R. Shriram	Three days workshop on Python Programming (23/09 - 25/09/21)	All diploma Colleges in Solapur	70
3	Prof. A. I. Nadaf Prof. A. A. Chandanshive Prof. S. V. Bag Prof. Roshan Pushpan	One day workshop on Introduction to VLab (12/01/21)	Swami Vivekanand Institute of Technology, Solapur	22
4	Prof. R.S. Bakare	One day workshop on Arduino (27/11/21)	SVSMD's KKI Polytechnic, Akkalkot	30
5	Prof. R.S. Bakare	One day workshop on Arduino (08/04/21)	SVSMD's KKI Polytechnic, Akkalkot	25

Sr. No	Name of faculty	Expert lecture Topic and Date	Name of Polytechnic college	No. of students attended
1	Prof. R. S. Bakare	Industry Automation (11/03/22)	Government Residential Women's Polytechnic Latur	66
2	Prof. U. A. Bongale	Fiber Optic Communication (30/03/22)	Puranmal Lahoti Govt. Polytechnic Latur	65
3	Prof. Roshan Pushpan. Prof. S. V Bag	1) Data Communication and Computer Networks. 2) VLSI with VHDL (23/04/22)	SVIT Polytechnic Solapur	12
4	Dr. P.D. Bahirgonde	VLSI with VHDL (08/05/21)	SVIT Polytechnic Solapur	09
5	Prof. Roshan Pushpan.	Satellite Communication (04/05/22)	SES Polytechnic Solapur	17
6	Prof. A.A. Chandanshive	Arduino Uno (28/05/22)	SVIT Polytechnic Solapur	9

Following is the list of Practical's conducted for polytechnic colleges.

Sr. No.	Faculty Name	Practical conducted and Date	Name of Polytechnic college	No. of students attended
1	Prof. U. A. Bongale	Fiber Optic Communication (30/03/22)	Puranmal Lahoti Govt. Polytechnic Latur	65
2	Prof. Roshan Pushpan. Prof. S. V Bag	1) Data Communication and Computer Networks. 2) VLSI with VHDL (23/04/22)	SVIT Polytechnic Solapur	12
3	Dr. P.D. Bahirgonde	VLSI with VHDL (04/05/22)	SVIT Polytechnic Solapur	09
4	Prof. A.A. Chandanshive	Arduino Uno (28/05/22)	SVIT Polytechnic Solapur	09

Parent Teacher meet for TY and SY classes are conducted on 14/05/22. Prof. I. I. Mujawar guided the parents about "Role of parents in development of student's career". HOD Prof. S.S. Dhotre presented Department's achievements, student internships and placements.

On behalf of E&TC Engineering Department, I express my deep gratitude towards all the individuals who are directly or indirectly involved in the department development.

(Prof. S. S. Dhotre)
Head of Department

19) PARENT TEACHER ASSOCIATION (PTA)

PTA is a platform for parents to participate in students and department progress. The PTA includes two parents from each class and faculty members. PTA meet is conducted at least once in a semester. 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 members.

Class	Name of Student	Parent Name
SY	Mr.Saqib Bagwan Mr. Tejas Mallade Ms. Sakashi Lade	Mrs.Noorjahan Bagwan Mrs. Savita Mallade Mrs. Shweta Lade
TY	Ms. Battul Vijeta Ms. Vijapure Meghana Mr. Kulkarni Piyush	Mr. Pradeep Battul Mr. Rajashekhar Vijapure Mr. Sachin Kulkarni
Final year	Ms. Hiremath Shravani Ms. Pooja Rajkumar Birajadar	Mr. Krishna Hiremath Mr. Rajkumar Rudarappa Birajdar