



# Electronics and Telecommunication Departmental Newsletter



Edition: 2018-19(I)

Half Yearly

## About Department

The department of Electronics and Telecommunication Engineering was established in the year 1991 with intake of 60 students for U.G. & Intake of 24 students for P.G.in VLSI & EMBEDDED SYSTEMS for program under the University of Pune. The department has been accredited by the National Board of Accreditation, New Delhi. It has state of art equipment, spacious laboratories, highly qualified and dedicated staff and above all highly motivated students.

### VISION

Provide excellent quality education to create engineering professionals of global standards by keeping pace with rapidly changing technologies to serve the society.

### MISSION

To inculcate and stimulate Electronics and Telecommunication expertise by adapting to global innovative educational and research practices to create dynamic engineering professionals with enhanced technical skill set and hence global acceptability.

## About College

### PREAMBLE

Pravara Rural Engineering College Loni, started on 21<sup>st</sup> August 1983, is the premier of all the institutions under the technical education complex developed by the Pravara Rural Education Society. The Society was established in 1964 by Late Padmashri Dr. Vitthalrao Vikhe Patil, who was also founder of the Pravara Sahakari Sakhar Karkhana Ltd, Pravaranagar. The Society has been registered under the Societies Registration Act 1960 and the Mumbai Public Trust Act 1950.

### Goal

To make Global Level Education Facilities Available at the doorsteps of rural India

### Mission

**We continually strive to focus on imparting outstanding knowledge, application ability and promote research relevant to the needs of society in general and rural areas in particular; focus on all round growth of students and faculty to develop global citizens.**

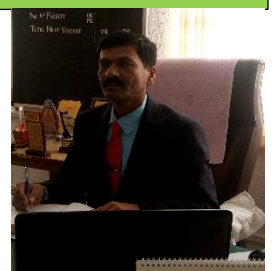
### Vision

**To serve as an outstanding and valuable resource for industry, academia and society; to become the best rural engineering college in the world**



**HOD**

**Dr. S.M.Turkane**



**Principal**

**Dr. Y. R. Kharde**

## **From the editors desk**

It is a great feeling to start the newsletter of a department which has such a glorious track record and which is a part of a very reputed institution. The main aim of starting this newsletter is to appreciate the efforts of our innate students and our vastly experienced faculty. Different activities like paper presentations, expert lecture series, industrial visits and many more activities take place in the department. This newsletter highlights all the important events taking place in the department hearty thanks to our Principal and Head of department for their valuable encouragement and wholehearted co-operation.

## **Departmental profile**

The department of E&TC is keeping pace with the technology arising on the horizon and trains students to become quality technocrats. The Department of E&TC, started UG course in 1991-92 with the intake of 30, this is further increased to 60 in the year 1996-97 and PG (VLSI & Embedded Systems) in 2009 with the intake of 18, this is further increased to 24 in 2014-15. The department has highly qualified faculty who are dynamic and enthusiastic in their work. Four staff members had registered for Ph.D. and ten staff members have completed their post-graduation since year 2012. Many Staffs are is also involved in different research activities like, publication of papers in International as well as National Journals, Papers Presentation in

*International and National Conferences attaining workshops and seminars on various topics. The department conducts the value addition programs, like Seminars/STTPs/FDP and workshops in the areas such as technical education policy, recent concepts, methods and techniques, to enrich and to keep pace with the changing scenario in Technical Education. Also industrial visits to various reputed organizations use to organize in every semester for the students.*

The aim of the faculty apart from imparting quality education in classrooms and laboratories is to inculcate technical creativity in their students. State of art excellent facilities are provided in the department to facilitate the staff to achieve this aim. *Department also organizes various cultural and Sports activities during the academic year under Pravara Association of Communication Engineers (PACE). Department encourages students to participates in various symposiums, project exhibitions, Industrial training etc. In our students were placed in various MNCs, Software companies, many of students scored in GATE, GRE TOFEL and other competitive exams.*

The department has well equipped laboratories in the advanced fields such as VLSI Design, Embedded Systems, Fiber optics, Mobile Communication, Digital Signal Processing, Power electronics etc. Laboratories are well equipped with sophisticated equipment and trainer kit such as four channel

power scope, Digital Storage Oscilloscope with FFT, Mixed Signal Oscilloscopes with logic analyzer, Spectrum analyzer (3GHz), 6 and ½ Digital Multimeter, LAN trainer Kit, Mobile Trainer Kit, Compact microwave Lab kit ( Klystron, Gunn, Antenna, TEE circulator), Antenna trainer kits, Transmission line trainer kits, Xilinx educational software, Microwind packages, MATLAB, Multisim 11.0 circuit simulation software and TCAD, Cymica and many more

### **Departmental Activities**

Academic activities are always given first preference here. Further even expert lectures series, Industrial visits, seminars workshops, personality development program, counselling sessions are organized by the Department & PACE. All this comprehensively transforms all our students into completely groomed professional with a competitive edge over others.

### **Experts Lectures/ Seminars**

Organizing expert lectures & workshops is a regular activity of the department.

Such expert lectures are organized to:

1. Motivate the students to think in a way & differently.
2. To introduce them with the latest technology.
3. To interact with industry professional & any eminent personalities.

Various workshops and seminars are organized by electronics and telecommunication department.

- Expert lecture on Antenna And its Industrial Applications by Dr. Sachin Umbarkar on 30 July 2018.
- Expert lecture on Latest technologies and trends in IT on 7 September 2018.



**Expert Lecture on Antenna & its Industrial Applications**

### **Value addition courses**

The current demand for students in the industrial sector demands much more than from them in addition to their good academic record. So, to meet these demands, the department organizes many software courses in the college itself.

### **Student's performance**

Co-curricular activities aside, academics are always given top priority here. Special guidance & tuitions are given to students who find it difficult to cope up with the rising syllabus. In the academic section, the students of this department simply stand out and the department is also famous for producing university

toppers. Out of the 50 students that appeared, 6 got distinctions and 10 got first class.

Top rankers across SE, TE and BE are as follow:

| Year | Name of Students | Percentage/<br>CGPA |
|------|------------------|---------------------|
| TE   | Sheikh Muskaan   | 8.65                |
| BE   | Game Deepika     | 9.27                |

### Parents Meet:



Parents meet was organized by department on 22 September 2018 and was met with great response and feedback from both students and parents alike.

### Teachers Day:



On 5<sup>th</sup> of September Teachers day was celebrated with great fervor by students and there were speeches from students acknowledging importance of teachers in a student's life.

### Dignitaries Visited:

Lot of alumnus shared their insights and experience on how industry work in this year.

We are thankful to our alumnus for supporting us in our journey.

List of alumnus visited:

- Dr. Sachin Umbarkar(2005 Batch)  
Engineer at Arrow Electronics Ltd.
- Shyam Kukreja(2002 Batch)
- Dharti Dhamak(2009 Batch)
- Nirmal Aniruddha(2004 Batch)

## **Engineers Day:**



Engineer's day was celebrated as always by the department on 15 September 2018 and by acknowledging contribution of engineers to our country and tribute was given to the greatest Indian Engineer Bharat Ratna Sir Mokshagundam Vishweshwarya.

## **Industrial Visit:**

Industrial visits are conducted so that students may actually see the industrial processes, gain some useful practical knowledge and also it is a recreational outing from the routine academic activity.

The visits conducted during first half of 2018-19

- Prabhat Dairy



**Visit at Prabhat Dairy**

## **MOU's made:**

Prolific Systems and Technologies Pvt. Ltd.

## **Forthcoming Events:**

- PACE Function.
- Sports And Technical Events
- Industrial Visit
- Seminar on PLC and SCADA