LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA

PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

Department

Of

Electronics and Telecommunication Engineering

Technozone

News-Letter

2016-17

MESSAGE FROM THE HODs DESK

Welcome to Electronics & Telecommunication Engineering department. Our sole vision is to provide quality education and provide all around development of the students.

Excellence is all about making impossible things possible. The consistent potential of our students aptly guided by passionate teachers allows them to strive for excellence. It comes from a burning desire to do good things in an excellent way. It has been said that "Success is doing ordinary things in an extraordinary way".

Many laurels were brought to the department last year. Various competitions were held throughout the year by the reputed firms in which students got an excellent chance to show their talents. Many students were recruited in their dream companies. Some of them have also excelled and have come up with flying colours in university exams. I am overwhelmed to see the students giving their best in all the walks of life. Hope to receive more and more achievements in the coming year and put our efforts to fulfill them. Best luck!

The Vision of the Institute is:

To become one of the India's leading engineering institutes in both education and research. We are committed to provide quality and state of art technical education to our students,so that they become technologically superior and in turn contribute for creating a great society.

The Mission of the Institute is:

We commit ourselves to Pursuit of excellence in Technical Education and promise to uphold the Spirit of the Professionalism to serve the humanity.

The Vision of the Department is:

To achieve excellence in academics and research by imparting quality education in the rapidly changing field of Electronics and Telecommunication Engineering

The Mission of the Department is:

- To educate the students with the state of art technologies to meet the growing challenges of the industries and educational institutions.
- To equip the students with strong foundations to enable them for continuing education and research.
- Provide ethical and value based education by promoting activities addressing the social needs.

STUDENT ACHIEVEMENT

Toppers of Third Semester

1. Nisha Wath 73.53%
2. Vaishnavi Salve 69.38%
3. Nilesha Raghorte 67.69%

Toppers of Fifth Semester

1. Shyamal Bagade 70.46%
2. Bhagyshri Katwe 70.30%
3. Tushar Hatwar 69.69%

Toppers of Seventh Semester

1. Mrunali Gawande 78.28%
2. Shivani Jagtap 77.57%
3. Priti Kumari 77.57%
4. Prashant Kumar Katre 77.28%

CAMPUS PLACEMENT

Sr. No.	Name of Student	Company
1	Rishabh Mahatme	Epic/E-Clinical/Amozan
2	Pooja Gaur	Amazon/Epic/FACE
3	Sweta Gautam	Epic
4	Samar Doloi	Epic
5	Prakash Kumar	IWS
6	Snehal Teltumade	Amazon
7	Neha Gajbhiye	Epic
8	Shraddha Pande	Epic
9	Kalpak Chandekar	Amazon
10	Vaishnavi Tahkre	FACE
11	Ankur Gaidhani	FACE
12	Kalpak Chandekar	FACE
13	MD.Masud Zaman	Epic
14	Priyanka Badole	FACE
15	Prashant Katre	IWS

SPORTS

Ankur Gaidhani won University Level Basketball and secured second position in Udaan'17

GATE MASTER OF MONTH

GMOM (GATE Master Of Month) Contest is started for the students to have practice of GATE Examination. In GMOM Contest, objective question based on GATE syllabus is asked every day and points are given to students according to rules of GMOM Contest. At the end of the month five toppers from the points tally are identified and prizes are distributed to them.

Winners of the GMOM Contest

GMOM Contest Winners for the Month of June'16

1) Ankur Gaidhani
2) Ratnesh Gupta
3) Vaishnavi Thakre
4) Akshay Dhote
5) Swapnil Wankhede

GMOM Contest Winners for the Month of July'16 to Jan'17

1) Ratnesh Gupta : July
2) Krishna Gupta : July, August
3) Aditi Varade : July, August,Dec
4) Pradhnya Askar : July, Sep, Nov
5) Ashish Badole : July
6) Nikhil Chauhan : Aug, Oct, Nov

7) Nehal Gharatkar : August, Sep

8) Payal Takbhoware : Sep, Jan

9) Niranjan Kumar : Sep, Oct

10) Mukesh Kumar : October

11) Mayur Dhundate : October, Nov

12) Srushti Askar : Nov

13) Prasad Jarulkar : December

14) Pooja Shivarkar : December

15) Lekha Zoad : Dec, January

16) Rutuja Akare : January

17) Dipali Pujari : January

18) Minal Bhagatkar : January

19) Himanshi Patle : January

20) Pratik Kalmengh : January

FACULTY ACHIEVEMENT

Mrs. Y.A. Nafde received an award “Talk it Up: Celebrating Women in Engineering”- in the IEEE 2016 symposium during 30th September - 2nd October 2016 at IIT Kharagpur.

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SEMINAR ON 5 IN 1 ROBOT

This seminar was conducted to provide an overview of Robotics and its Revolution for the world. Mr. Sampuran Singh, Managing Partner and Technology Head, Dalvik Apps, Kalyan, Mumbai, was invited as the guest speaker. The seminar was conducted for the students to provide an information in the field of Robotics and why Robots are Revolution for the world. The speaker focused on the various areas like Industry, Military, Medical, Space and Research Exploration where Robotics can be used.

The students were introduced to Embedded Systems, Microprocessor and Microcontroller, Robotics and its revolutionary future scope. The speaker showed interesting demo videos to the students. 170 Students of III and V Semester participated in the seminar.

SEMINAR ON CURRENT TRENDS IN ENGINEERING TECHNOLOGY

Mr. Niket Malusare, Electus Robotics, Pvt Ltd. Nagpur was the guest speaker of the seminar on PCB Designing was conducted for the students of third semester.

The seminar was conducted for the students to provide an information in the field of PCB Designing which forms the basics of the subject Electronics Devices and Circuitary. The speaker focused on the practical implementation of the components like resistor, capacitor, transistor and how to fabricate them on a PCB using software tools. The students were amazed to see the videos shown by the speaker.

SEMINAR ON HOME AUTOMATION USING BLUETOOTH AND ROBOTIC ARM

A seminar on Home Automation using Bluetooth and Robotic Arm was conducted for the students Vth Semester The motive of the seminar was to provide the basis of robotics and how it can be used in our day today life.

Mr. Niket Malusare, Electus Robotics, Pvt Ltd. Nagpur was the speaker of the seminar. The seminar was conducted to provide the basics of robotics and its coding in C language. The students were shown actual model of working robot playing the game of chess. As such another demonstration of line following robot was shown to the students.

The students were excited to see these working robotic models. The students were also given an idea of the use of Bluetooth in controlling various appliances at home. The speaker showed interesting videos of the Bluetooth controlled house automation.

SEMINAR ON HOW TO SELECT PROJECT

To provide an overview of the various areas on which real time projects can be made using latest cost effective techniques, a seminar on How to Select Project was organized for the students of VII semester.

The seminar was conducted for the students to provide an idea of how to identify a real time project. Mr. Swapnil Katole, Technovision, Pvt Ltd. Nagpur, the speaker, focused on the various areas in which projects can be made, latest software and hardware technologies available, feasibility of the project. The students were also given an idea of how to get their project sponsored and the constraints that should be added to optimize the project. 120 students of VII Semester participated in the seminar.

SEMINAR ON RASPBERRY PIE

The students of VII semester were keen about the credit card sized microcomputer: “Raspberry Pie”. Seeing their interest a seminar on Raspberry Pie was organized. Mr. Swapnil Katole, Technovision, Pvt Ltd. Was the guest speaker of this seminar. The seminar was conducted to provide the basics of a credit card sized single board microcomputer called “Raspberry Pie” with the intent to promote the teaching of basic computer science which can be used for various embedded system applications. The speaker focussed on various parameters including the high performance with low power consumption. The students were keen to know more about this Linux based OS in detail.

WEBINAR ON INTERVIEW TIPS

Webinar on interview tips was conducted for the students of VII semester so that the students may know the types of questions asked for TCS campus recruitment. Students got the brief idea regarding the types of questions the asked in interview i.e. in technical interview and HR interview. They also got the information about the answers to be expected for particular questions. They also knowledge about the working domains of TCS and their expectations from the freshers. About 80 students of seventh semester participated in the webinar.

GUEST LECTURE BY CO CUBES

The purpose of this seminar was to make the students aware of various online Aptitude Test. For this seminar the expert Mr. Shashikant Kulkarni HR , CO cubes Pune, was invited as the prominent speaker.

Co-cubes is a company which gives the practice of online aptitude test of various companies. Students got the information about the question papers of various companies, time management while solving the questions . The expert informed the students about the logical reasoning, quants and English Comprehension.

SEMINAR ON FUNDAMENTALS OF C++

To provide the knowledge of advanced C++ from placement point of view Mr. Munna Sir, was invited as the expert for the seminar on Fundamentals of C++

Students got the information about the advanced C++, also difference between C and C++and tips for logic's used in C and C++programming. The students have got the idea about the advanced programming used in software companies.

SEMINAR ON VEDIC MATHEMATICS.

A seminar on Vedic Mathematics was conducted for the students of seventh semester. **Mr. Manmath Deshpande** the showed vedic mathematics tricks to solve complex problems, tips for the how to remember cubes and squares, tips for solving the multiplication and division using vedic mathematics.

SEMINAR ON C2C

Mr. Aniruddha Pathak, Human Excellence Deptt. PCE prepared students from campus placement point of view. The expert briefed them about the various companies and their domain of working, detailing of the company, company expectations from the students, Information about the etiquette of the company, Global working of the company.

SEMINAR ON "JOB OPPORTUNITIES IN BARC AND PSU (PUBLIC SECTOR UNIT)"

Scientist Mr. R.K. Singh was invited as the technical expert to focus on various job opportunities for engineering in various domains.

Students acquired the guidelines about “Job Opportunities in BARC And PSU(Public Sector Unit)” and detailed knowledge regarding the competitive exam as well as the preparation for competitive exams.

WORKSHOP ON AUTOBOTZ AVR 5 IN 1

Under the banner of Tele-Era and IEEE students chapter a Two day workshop on Autobotz AVR 5 in 1 was organized for the students of Third and Fifth semester. The purpose of this workshop was to provide technical knowledge in the field of Robotics. The speaker of the workshop was Mr. Sampuran Singh, Managing Director, Dalvik Apps Pvt Ltd. Mumbai.

The workshop helped the students with the technical knowledge of the working of Robots. The software used was WinAVR and the programming was done in Embedded C Language. The students were provided with takeaway kit on which programming was done. The programs on running LEDs, Motors, Switches and Sensors were performed by the students on the kits and the output was observed. The workshop was extremely helpful for the students and the speaker motivated the students to opt for a career in robotics. 61 students of III and V semester participated in the workshop.

TWO DAYS WORKSHOP ON INTERNET OF THINGS WITH RASPBERRY PIE

The purpose of this workshop is to provide hands on the credit sized microcomputer Raspberry Pi. Mr. Swapnil Katole, Technovision Pvt Ltd. Nagpur, was the expert. Raspberry Pi is a credit card sized microcomputer used for the programming of devices. Various versions of Raspberry pi were discussed and the version Raspberry Pi 3 was used for the practical implementation of the program. The programming was done using Python. The students were provided with Raspberry Pi kit on which programming was done. The students learnt to interface LEDs, Keyboard, Laptop, Motors to the Microcomputer. The students were observed the output and learnt about the various applications of Raspberry Pi.

ONE DAY WORKSHOP C2C

The purpose of this workshop was to groom the students for campus Placement. For this purpose Mr. Aniruddha Pathak Human Excellence Deptt. LTJSS. Students got the vital information about how to prepare for the interview. They got the information about the body language, their posture eye contact and how to hold the file. Right from entering the interview cabin to leaving the interview cabin. Manners, Etiquette do's and dont's of interviews. About 120 students of seventh semester ET.

The complete idea regarding group discussion, its evaluation method was given to the students. A group of ten students had been formed and group discussion has been carried out by giving different topics to the different groups. The information regarding the KYC has been provided to the students. The information information about the books to be referred for the campus recruitment has been provided.

WORKSHOP ON "MICROSOFT TRAINING ON HACKING AND CRACKING"

A workshop on Microsoft Training on hacking and cracking was conducted by Mr. Nishant Sharma so as to provide information about the various software recently applicable in industries. The students acquired the Knowledge about various software recently applicable in industries of hacking a, cracking, how change IP address, how to download application and softwares without error from internet.

TWO DAYS WORKSHOP ON PCB DESIGNING

Two Days Workshop on PCB Designing was conducted for the students of Fourth semester. The guest expert for this workshop was Mr. Niket Malusare, Director, Electus Robotics, Pvt Ltd.

The students were provided infomation about the various Electronic Devices and their PCB Layout Designing on EAGLE software. The implementation of the actual circuit designing and soldering of various components were done by the students.

FORUM INSTALLATION UNDER STUDENTS FORUM "TELE-ERA"

The purpose of the Forum Installation ceremony was to form a Students Forum of the Department that will provide a platform for the students to achieve the Vision and Mission of the Department.

"Forum Installation Ceremony" was organized under the banner of Tele-Era, the student forum of ETC Department. The Chief Guest of the function Dr. M.P. Singh, Principal, The Guest of Honour Dr. J. P. Modak, Dean, R & D, LTJSS, Dr. (Mrs.) S. W. Varade, Dean Academics (Allied Branches) and HOD of ETC Department graced the event. The President of Forum was Mr. Akshay Dhote, Mr. Ankur Gaidhani and Ms. Shraddha Pande were elected as the Vice President. Apart from this core committee, an executive body of ten students and an Allied Committee of four members was formed.

The badges and certificates were distributed amongst the committee members. Under the guidance of Mrs. P. U. Chati, Mrs. A. R. Kondelwar, Ms. V. Nasre the progarm was a grand success.

PARENT TEACHER MEET 2017

This year the parent teacher meet was organized on a grand scale. 64 parents participated in the meet. The chief guest of the function Dr. M.P. Singh Dr. (Mrs.) S. W. Varade, Dean Academics (Allied Branches) and HOD of ETC Department graced the event.

Parent representatives Mr. Jayant Ingle and Mr. Ramesh Gawande expressed their views on the overall development of the wards. Academic policies were discussed by the HOD and Dr. (Mrs.) A. P. Rathkantiwar, Academic Coordinator.

The third, fifth and seventh semester toppers were felicitated. The final yaer students who were placed in various companies were felicitated. The students who brought laurels in sports were appreciated. The program was a grand success.

INDUSTRIAL VISIT- BSNL (Regional Training Telecom Centre) Nagpur)

Mr. Nilesh Pillewar, SDE, BSNL guided the students throughout the visit to BSNL.

The students has visited various labs viz. broadband lab, C.exchange lab, optical fiber cable lab. In Broadband lab students was able to understand how signal split ted when it comes from telephone exchange, secondly in C.exchange lab students get the knowledge of what is the role of base station module and central module and in optical fiber cable lab students understand how splicing happens in optical fiber.

INDUSTRIAL VISIT- PRASAR BHARATI (Doordarshan Kendra) Nagpur

Mr. Meshram, Sr.Technical Engineer, Prasar Bharti familiarized the students broadcasting.

The students saw the technology used in video shooting, the various angle adjustment of cameras, applications of parabolic antennas, different lens used in Cameras, maintaining the picture quality aspect ratio study of interlace scanning control circuits & control lines used to mixing of RGB colors.

FOUNDER'S DAY CELEBRATION

The Founders' Day marks the Birthday of the visionary Dr. Satish Chaturvediji.

Our Institution remains rooted to its foundation and acknowledges the great work done by its founders in the form of establishing a temple of knowledge with its gates thrown open for all. The Founders' Day was celebrated on the 10th October 2016 in the presence of the faculty members and students under the banner of 'Tele-Era', Students forum of Electronics and Telecommunication Department.

BLOOD DONATION CAMP

The purpose of this camp was to create social awareness amongst the students about the importance of Donating Blood.

Blood Donation Camp was conducted to let the students understand and raise awareness of the importance of blood donation which helps to relieve insufficient blood supply.

"A Drop of Blood, can save a Life" . The blood donation campaign received an overwhelming response from students as well as faculties. During the campaign proper hygiene was maintained and the blood donors were offered with refreshments. The department decided to promote and support the establishment of effective Blood donation programs in future also.

TEACHER'S DAY CELEBRATION

Teacher's Day is celebrated every year by the students of the department. This year too the excitement of celebration of Teacher's Day was evident amongst the students. Various programs including tricky questionnaire, tongue twisters, singing by students and faculties were organized. The event was enjoyed by everyone.

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