



LOKMANYA TILAK JANKALYAN SHIKSHAN SANSTHA
PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR



Department
Of
Electronics and Telecommunication Engineering

Technozone

News-Letter

2013-14

MESSAGE FROM THE HODs DESK



Welcome to the Department of Electronics & Telecommunication Engineering. We are happy to inform that our pride rests in the yearly newsletter, which highlights the academic and non-academic activities of both staff and students of the department.

During every semester, the calendar of events is prepared, which implicitly incorporates all the curricular and extra-curricular activities of the department and is followed meticulously without any deviation. Importance is given to quality teaching and learning process through faculty development programs for teachers and soft skill programmes for students.

The students are encouraged to participate in seminars conducted by other Engineering Colleges. They are made to compulsorily participate in the departmental activities such as debate, extempore, group discussion, Quiz and brain storming sessions. At least three expert lectures are arranged every semester by experts from industries and leading Educational Institutions on advance topic to the benefits of both staff and the students. The staff members are

encouraged to attend national and state level workshop to enhance their knowledge.

Every effort is made to constantly improve the results of the students. I am very happy to inform that due to the concerted efforts of both staff and students, the results are very encouraging this time in case of higher semesters. The results of the lower semesters are also constantly improving.

All the Best!!!

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 ACHIEVEMENTS

Toppers of Third Semester:

1. Apeksha Gajbhiye 72.3%
2. Shivani Mothghare 70.76%
3. Pallavi Bhole 70.15%

Toppers of Fifth Semester:

1. Pankaj Kumar 76.15%
2. Rakhi Wanjari 74.61%
3. Raturaj Kushe 69.38%

Toppers of Seventh Semester:

1. Ali Akbar Shiraz 78.71%
2. Aarti Kumari 78.57%
3. Suyash Agrawal 77.28%

FACULTY ACHIEVEMENT

Dr. (Mrs.) A.P Rathkantiwar received best paper award for research paper entitled “ A New Timing Metric for Timing Error Estimation in OFDM” published in GMS-13 , IEEE Conference held at Atlanta City, NI USA organized by IEEE Denmark, IEEE NJ section 24-27 June 2013.

SEMINAR ON “MOBILE COMMUNICATION IS AN EVERGREEN TECHNOLOGY”



A guest lecture on “MOBILE COMMUNICATION IS AN EVERGREEN TECHNOLOGY” was organized on 3rd Aug for B.E. Final year students of ETC. Mr. A. R. Savatkar, General Manager, working in field of mobile communication in BSNL, Nagpur was the guest speaker of the seminar. The purpose of this seminar was to provide a brief idea of new 4G Technology use in BSNL mobile system and its application to Electronics & Telecommunication students.



The lecture was very fruitful and indeed enhanced student’s knowledge on current day Mobile communication scenario.

SEMINAR ON MART



The seminar was focussed on the Personality Development of students. The guest speakers of the seminar were Prof. P. Kadu Adviser Training & Placement, Dr. Rosina Rana HOD Soft Skill.

The purpose of this seminar was to groom personality of students in the walks of life. Under the guidance of Prof. P. Kadu Adviser Training & Placement, and Dr. Rosina Rana HOD Soft Skill, this program received a huge response.

FORUM INSTALLATION - TELE-ERA



The purpose of this event is to form a forum of students that will organize various activities at department level.



On this occasion, Dr. M P. Singh, Dr. (Mrs.) S W. Varade announced the President and Vice-President and distributed the Badges. The forum named 'Tele Era' was formed. Elections were held for various posts such as President, Secretary, Vice President, etc. the forum was installed by Dr. M P. Singh, Principal, PCE, Nagpur.

Such programs motivate the students to perform better and also provide all around development of the students. The technical, non technical events, extra curricular activities are organized under the banner of Tele-Era.

SHODH 2K14 - Esuberanza'14 (A National Level Project Competition)



Esuberanza'14 is a National Level Project Competition organized by the department to encourage young technocrats to apply their imagination, their passion, and their creativity to technology innovations that can make a difference in the world today. 84 group of Students from Engineering and Diploma College participated in the event.

SHODH 2K14 - Technostrom (A National Level Paper Presentation Competition)



This event empowered engineering students from different domains with an opportunity to present their visions, thoughts and ideas. Students laid down their technical ideas through presenting papers on topics of multi tera bit network, Embedded system, VLSI, Video Engineering, Telecommunication and Analog Circuit.

On this occasion Dr. M. P. Singh (Principal), Dr. J. P. Modak (Dean, R & D), Dr. S. W. Varade (HOD) motivated the students and distributed the prizes.



mechanical, computer, control software, and system integration.



Students worked together to design and build robotic vehicles that could navigate twisting, obstacle-filled courses without any human guidance or control. This competition helped the students to strengthen team-building and leadership skills.



40 Students from Engineering and Diploma College participated in the event.

SHODH 2K14 - Elecrama Robo Race (A National Level Event)

Robot Racing is an effort to promote research in autonomous mobile robotics technology in a structure that is challenging and exciting, for both the competitors and spectators. The competition provided students with real-world, hands-on engineering design challenges, including components of

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INDUSTRIAL VISIT - Ashok Leyland's Bhandara , Distt. Nagpur



Industrial visit is to give industrial exposure to the faculties and students and to showcase of all the real working environment, equipment's , Machinery & operating methods that students will come across in future and Engaged in a knowledge sharing session.



Faculties and students understood the working of Programmable logic controller & Mechatronics. They also discussed regarding the demands of ongoing projects. They got exposure and opportunity to meet with industry expert and understand the flaws in the existing system also acquainted with future upcoming Technology.

INDUSTRIAL VISIT - BARC TROMBAY (Mumbai)



Going to be a part of the future technical world we should know about what's really going on around the world especially in our discipline so that we can ever survive when we have our first step in to the technical world. Therefore an Industrial Visit of the students and faculties was arranged. Dr. (Mrs.) S. W. Varade, Dr. S.S. Shriramwar, Mr.V.G.Girhepunje along with the students of final year visited BARC Trombay on 16th August 2013

The resource person for the visit was Mr.R.K.Singh (Head, Media Relation & Public Awareness Section). The purpose of this visit was to collect the data on various performance parameter of reactor operated electronics component And To study the performance of newly designed reactor materials also to study role of semiconductors in nuclear energy along with life of the Electronics components in nuclear energy. During the visit to Bhabha Atomic Research Center which is the active research institute in nuclear power the students learned the role of electronics components in nuclear power, how nuclear power can be alternative for other

energy, advancement of reactors designing, materials testing, demonstration of Dhruva reactors, Super conducting materials in reactors & astro physics. They also understood the role of superconductors in Nuclear energy information about utilization of optical materials in reactors, demonstration of working of some electro-mechanical based reactors. They also performed visual examination and testing of various components & fuel.

INDUSTRIAL TOUR - ISRO

Industrial visit is to provide students an insight regarding internal working of companies. We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work.



The purpose of our college is not only the theoretical learning inside the classrooms or just completes the syllabus but its sole objective to have practical edge. The students got this esteemed opportunity to have an Industrial visit to a prestigious organisation ISRO (Indian Space Research Organisation) to enhance practical knowledge. The visit is aimed at enhancing their knowledge. Students could see the glimpses of Designed and Built experimental satellites like Aryabhata, Bhaskara, APPLE, Rohini etc. Students were made aware of its mission of bringing space to the service of the common man, to the service of the Nation by developing and delivering application specific satellite products and tools to the Nation like broadcasts, communications, weather forecasts, disaster management tools, Geographic Information Systems, cartography, navigation, telemedicine,

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dedicated distance education satellites were some of them to meet the developmental needs of the country. Apart from these visits to the industrial establishments, the students have visited the famous Tea factory, Munnar, Smarak of Swami Vivekanand, Flower Garden etc. during the trip.

An enthusiast group of 87 students of VIII & VI Semester visited ISRO

FOUNDER'S DAY CELEBRATION



Founder's Day was celebrated to mark the birthday of Dr. Satish Chaturvedi Sir, Chairman, LTJSS. On this day Students visited orphanage and also distributed sweets and chocolates among all the children. Dr. Mrs. S W. Varade HOD of the department conducted the proceedings.

FRESHER'S DAY CELEBRATION

The purpose of this event was to welcome the new comers and make them comfortable and familiar with the department. The event was very joyful. All freshers thoroughly enjoyed the moment. There was a healthy interaction between juniors and seniors.



BLOOD DONATION CAMP



Blood donation camps are in deed a necessity for the society. In order to create awareness about it the department organized a Blood Donation Camp. The event motivated everyone to donate blood. It also gave a message of donating eyes after death so that it can be given to the needy person.

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