CSMSS
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DTE CODE : 2176   MSBTE CODE : 1152

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NEWSLETTER 2019-20
Electronics and Telecommunication Department

H.O.D. Desk:

Welcome to the Department of Electronics & Telecommunication Engineering at CSMSS college of Polytechnic, Kanchnawdi, Aurangabad. Maharashtra state. The Department was established in the year 2009 with the intake capacity of 60 students. We tries to train and empower our students who will make the world better place by using power of engineering principles, techniques and systems. The Departments got accredited by ISO 9001-2000 in the year 2013, also the excellent grade by the M.S.B.T.E. Board Mumbai. The Department is having good infrastructural design, well equipped laboratories & Hi- Tech computers with high speed internet and high qualified faculties.

Prof. M. D. Narangale
H.O.D.

The Electronics & Telecommunication department is having six laboratories.

1. Basic Electronics Lab
2. Digital & Microprocessor Lab
3. Communication Lab
4. Measurement Lab
5. Basic Workshop Lab
6. Analog lab

Beside this Lab. The dept is having SATCOM lab. Which is developed in collaboration with the I.S.T.C. Pvt.Ltd.Pune. in which satellite related practical's are conducted. Also this lab. is used to learn and Hands-on practice of the installation of the different types of dish antennas like Videocon, Tata sky, Big TV, DTH etc.

Electronics and Telecommunication engineering is a dynamic and exciting area that provides excellent career opportunities in various field of technology. The department faculties are committed to teach our students the fundamental concepts and the latest trends using smart teaching and learning process. The departmental staff is having their own You

Tube Channel of the practicals which is to be conducted in the curriculum. The department is also having the facility to watch the MOOCS courses. The students are also taught with critical thinking and problem solving skills as they accommodate their future with the confidence. In addition to classroom teaching, students are guided and motivated to practically implement the principals learnt in the classroom through experimentations in the laboratories and through innovation centers on Robotics and Internet of Things. The students are motivated to participate in the Circuit Design, Music, and Sports etc.

The department also takes responsibility of work allotted by the M.S.B.T.E. Board Mumbai like organizing the State level paper, Quiz, Poster and Project competition. Many of the facilities of the Dept. works in RAC, Exam, and External institute Monitoring etc. and complete the task within time successfully.

The Department also provides healthy environment to students and faculties to carry out inter departmental research in the area like VLSI Design, Internet of Things, Robotics, etc. Students given the opportunities to involve in IEEE student chapter activities. The students are provided internship facility in the well known companies like Videocon, Crystal Technology, Siemens ,BGline, Power-con etc. The departments also conducts the various workshop, expert talks and additional training programs on recent trends in Electronics & Telecommunication engineering in collaboration with industries for the benefit of faculties and students. The students of final year complete their project work in- House under the guidance of departmental expert faculties and industrial trainers.

I am sure that all the passing out students of the department are capable of visualizing, planning and developing big projects of commercial and research interest in their respective field of expertise. The graduate of the Electronics & Telecommunication stream will be selected by the leading software and hardware companies of country.

The department of Electronics & Telecommunication achieves the result above 90% every year. Also many students got the prizes in the paper, quiz competition organized by the Board. Many of the pass out students got selected in the campus interview organized by the department per year in the reputed Multinational companies.

"Is online study effective than the traditional one?"

Today's era is the era of information technology. The way of doing every work in every domain of human endeavor have drastically changed and changing rapidly as well. So, IT and IT enabled services (ITES) have grown tremendously from last decade and finds their applications in education field. Use of information and communication technology (ICT)have greatly influenced the teaching and learning methodology and whole education sector from school to research level education, not only in technical field but also in every form of education.In traditional teaching learning methods teacher use chalk and board to teach the students. In this methodology it was quite difficult for the teacher to let students imagine the actual construction and operation of any system and conceptshe is explaining to them through diagram drawn on board. So to make it more clear he usually use different color chalks in his diagram and in whole board writing but still it is also difficult for weak students to imagine it. Another limitation in this teaching learning process is teacher cannot recollect the previous lecture diagram to relate and maintain the link with present lecture as there is no such facility on board as in smart board.

Teaching and learning is the process to achieve the outcome called knowledge, skill and wisdom and these outcomes are required to make graduates entrepreneurial and employable competent for the prosperity of nation and society. In Traditional teaching teacher can teach limited students in the classroom and he need to repeat the same content again in next time for next batch also. But in online learning his recorded lectures/practical can be delivered anytime and anywhere and to any number of students through online resources. So, two important aspects to make teaching learning effective and ease of getting certified is to first make use of ICT in teaching so that various tools can be used by teacher such as PPT, animated videos, smart boards etc to make learning more beautiful, effective and enjoyable to students and second use internet and other online communication resources to do learning and get certified online. As in the present scenario many online education and certification organizations are working in this field such as Udemy, Coursera, Lynda. Udacity,

Khan academy, Codecademy, Byju's, NPTEL, Swayam, WiFi Study and many more.In online learning students get flexibility in time and he can choose any course and teacher of his interest. If knowledge, skill and wisdom can be inculcated in student through online learning effectively with better flexibility and with saving of time, money and energy then this option can be chosen over traditional one. At last as we know the learning is happens in three main domain i.e. Cognitive, Affective and psychomotor. Hence overuse of online learning with use of ICT may lead to decrease the imagination level and thinking power of students due to readymade content and it may also reduces their affective domain learning as there is no affective bond between student and teacher due to lack of physical involvement of teacher. Hence both the teaching and learning methodologies should be adopted as per the situation demand.

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Industrial Visits

VISIT TO JHAVERI FLEXO INDIA Pvt.ltd FAROLA, AURANGABAD

Date: 30/09/2019

Students and Staff at Jhaveri Flexo India
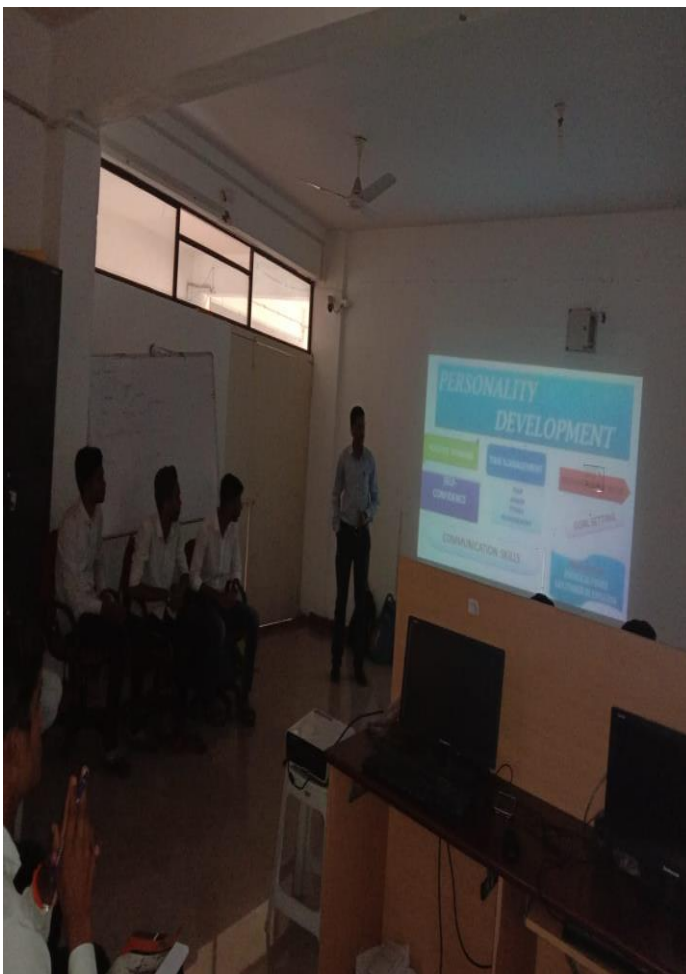

Students and Staff at MCN plant

Students and Staff at college terrace for solar installation plant

PLC Workshop.

Motivational lecture by Dr. Vibhashree

Personality development lecture by Prof. K. B. Tidake

Expert lecture by Prof. S. B. Dhoot.

Industry Expert Lecture

Expert talk by Mr.Nakhate B.B. Director Crystal Technology MIDC Waluj Aurangabad

Expert Talk By Dr.Khumane D.D.

Social Activity By the students

MSBTE State level Paper Presentation Competition-2019-20

Electronics Group-Aurangabad Region

Event Banner

Guest Felicitation

Winner and Runner with Prizes

Sport Activity

Students Participated in IDEESA Won the State level Inter zonal Match