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ANNOUNCEMENT :

Department is going to conduct STTP on the topic 'Trends in Communication Engineering'

When: 2nd to 6th December, 2019

[Link](#)



“HOD SPEAK”

From HOD's Desk –October 2019



Dr. Sanjay Singh Thakur
Head of the Department

Greetings for the Day!!!

The Last quarter was eventful. The Department has been re-accredited by NBA. Department had presented and published many research papers. Department conducted series of workshops for enhancing skills of students, collaboration with industry for project development. I wish to extend sincere thanks to my students, support staff of Department and faculty members for their whole-hearted support.

I Wish my students a great success for the upcoming Examination!!!

EXTC Department Activities

1. Guest lecture on “**Industrial applications of Digital Systems**” was conducted on August 8th 2019. The activity was intended to give students an insight about the details regarding industrial applications, recent advancements and recent trends in the field of digital Electronics. Mr. Shirishkumar Joshi, Director, Technical Applied Digital Microsystems Pvt Ltd .was the Guest speaker for this seminar.



Picture 1. Mr. Shirishkumar Joshi interacting with students

Total 87 students and 2 Professors attended the event. Mr. Joshi talked on various IC's used in commercial and industrial applications. He also talked on various logic families of IC and its significance in industries. The event concluded by vote of thanks by Prof. Beena Ballal for his co-operation and evident enthusiasm.

“Book holds a house of Gold”
— Anonymous

Faculty Profiles



Name: Prof. Mayur Nanda

Designation : Assistant Professor

Department: Electronics & Telecommunication Engineering

Qualification: ME Electronics and telecommunication

Teaching Experience : 8 Years

Areas of Interest : Analog Electronics, Instrumentation, Basic electrical and Electronics, Linear Integrated circuit design, signals and systems



Name: Prof. Atul Oak

Designation: Assistant Professor

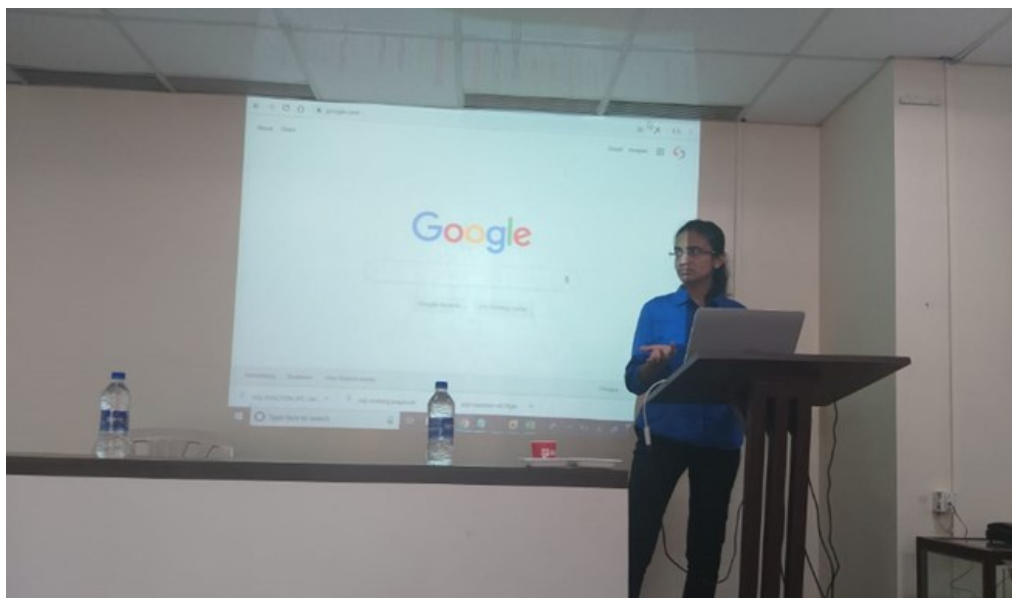
Department: Electronics & Telecommunication Engineering

Qualification: ME In Electronics & Telecommunication

Teaching Experience : 16+ Years

Areas of Interest: Microprocessors and Peripherals, Microcontroller and Applications, Computer Organization and Architecture, Object Oriented Programming with JAVA, Structured Programming Approach

2. A Guest lecture on “**Tools and methods used in cyber security**” was conducted on August 27th 2019. The activity was intended to give students an insight about the details regarding the tools and methods used in Cyber security. Ms Priya Savla Dedhia (Certified Ethical Hacker, Co-Founder-Skynet secure solution) was invited as guest speaker. Ms. Priya Savla acquainted students with the objective of the lecture and started by demonstrating a simple trick which is being used frequently to acquire saved passwords. After this she talked about ‘Phishing’ which is one of the popular methods of frauds. She showed few fake emails and highlighted the importance of checking the ‘Email address’ through which the mail is received and the actual ‘URL’s to which we get directed through such fake mails, before entering any credentials. She insisted students to educate their parents as well about this issue. This informative lecture concluded with a vote of thanks proposed by **Prof. Harshada Rajale and Prof. Ranjana Gite**. Total 71 students and 2 Professors attended the event.



Picture 2. Ms Priya Savla Dedhia delivering lecture

3. An **Industrial visit** was organized for EXTC and ETRX students to **Tata telecommunications LTD. on September 19th, 2019**. An industrial visit was organized by department of Electronics and Telecommunication Engineering, Vidyalkar Institute of Technology to Tata Telecommunications Limited, Dighi Hills, Pune, for the undergraduate students of Electronics and Telecommunication Engineering of third year and final years. The visit was aimed to study the operations of Inmarsat Satellite Services, working of RF front end design, Network operations using Fibre optics, Operation of routers, switches and multiplexers for facilitating data and voice communications. During the visit all aspects of above technologies were explained by the resource persons in detail and it was well received and understood by our students. The student has got insight of actual working of theory into real life practical applications through this industrial visit. **Prof. Vaibhav Kshirsagar and Dr. Anand Tripathi** organised this Visit.

4. An **Industrial visit for faculty members** was conducted July 2nd, 2019. The visit was organized to mitigate curricular gaps and understand the practical aspects of 5th generation mobile communication. In the morning session **Dr. Munir Sayyad, (Assistant Vice president, Reliance Jio)** explained the conventional education model and future education model. Then he explained the architecture of the 5G, component trends and deployment strategies including role of RF and fiber links in 5th generation. The scope of the material science is discussed in order to reduce cost of the telecommunication products.

Then we visited to EPC laboratory which consist of data servers. We were guided by Mr. Ishwar Bandil who explained the role of cloud computing in mobile networks. The cloud computing will play important role in minimizing the cost of the hardware. In future the technology will based on minimal hardware. We understood technological features of 5G by visiting Jio smart home, Jio Garden, Smart city model etc. In the afternoon session we visited to Network operation center, NOC. There are different sections in NOC which look after the various network functions. The all over Jio network operations such as network configuration, Maintenance, Performance monitor etc. are monitored in NOC.

Then session ended with discussion on Block chains. The different features and its limitations were explained well by Mr. Ishwar Bandil.

“I have not failed. I've just found 10,000 ways that won't work ”

—**Thomas Edison**

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Know an Alumnus



Name of Alumnus: Prathamesh Indulkar

Batch: 2014

Qualification : M.E in Electronics and Telecommunication

Message: VIT has got one of the best infrastructural facilities and brilliant faculty. As far as the placements are concerned, enough opportunities are provided to every student and it's up to the individual how you take it. Moreover, having a placement policy in order makes things even more transparent. I am really lucky and proud to have been a part of this institution because of the things I have learned in VIT.

5. A **three day workshop on PCB Designing** was arranged for SE/TE EXTC Students on 3rd, 10th and 31st August, 2019. This workshop was led by **Dr. Sanjay Singh Thakur (HOD of EXTC dept.) , Prof. Amit Maurya and Prof. Mayurkumar Nanda**. The objective was to organize basic PCB designing workshop using spoken and practical tutorials. The workshop was intended to train students in designing PCBs. The workshop started with a warm welcome to the speakers Dr. Sanjay Singh Thakur and Prof. Mayurkumar Nanda by Mr. Amit R. Maurya. The session started with the introduction to PCB and the need of the course for an Electronics, Electronics & Telecommunication engineer. The committee members along with the speakers helped the students on doubts and queries related to PCBs. The workshop was divided into three Saturdays with the content to be covered followed by short and long breaks.

- On the First day students were given theoretical knowledge about PCBs.
- On the Second Day students made the layouts of desired PCBs on copper plate and performed etching of PCB.
- On the Third Day, students did the soldering of components on the circuit board and implemented the desired circuit.



Picture 3. Glimpses from the three day workshop

Total 95 Members including speakers and students made this workshop successful.

Achievements of Department Faculty

- **Prof. Amit Maurya** won best paper presentation award at 'International Conference on Management, Engineering and Social Science (ICMESS-19)' organized by Institute for Engineering Research and Publication (IFERP).
- Faculty Members **Prof. Ranjana Gite, Prof. Vaibhav Kshirsagar, Prof. Sheetal Mapare, Prof. Ashish Shekhar, Prof. Snehal Ashtekar, Prof. Sayali Todkari, Prof. Santosh Jagtap** were Appreciated for their contribution in Organising **One day workshop on 'Data Organisation in Revised accreditation Framework of NAAC'**.
- **Dr. Sanjay Singh Thakur** receives Token of Gratitude as an invited Dignitary at Dr. Rammonohar Lohia Avadh University, UP, India on the occasion of 62nd Annual IETE Convention –2019 and "International Conference on Industry 4.0".



Picture 4. Token of Appreciation received by Dr. S.S. Thakur and Prof. Amit Maurya

"Be the change you wish to see in the world"
—Mahatma Gandhi

Updates

1. SARC-International conference on Electronics and communication

When: 27/10/2019

2. ISETE-International Conference on Robotics, Smart Technology

When: 6/10/2019

3. Conference by "COMSOL "

When: 28/12/2019

Where: Bangalore

Cluster Mentors of Department

1. Prof.Rama Rao
2. Prof.Dr.Saurabh Mehta
3. Prof Sanjay Singh Thakur
4. Prof.Vibha Wali
5. Prof.Sheetal Mapare
6. Prof.Vaibhav Kshirsagar
7. Prof.Pravin Patil
8. Prof.Ranjana Gite
9. Prof.Santosh Jagtap
10. Prof.Satendra Mane
11. Prof.Anand Tripathi

Academics

- ODD Semester Started

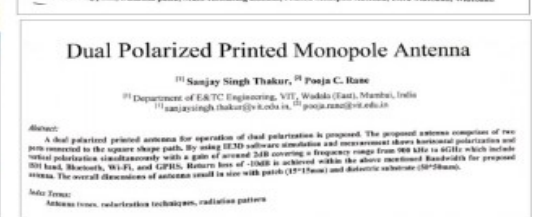
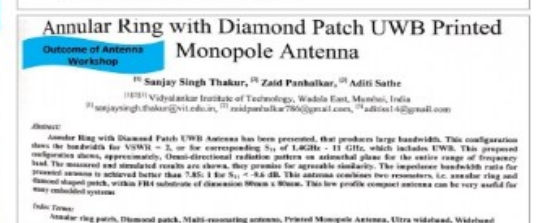
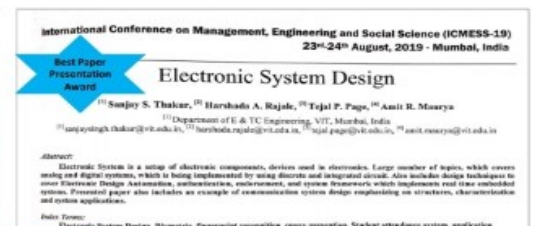
When: 8th July, 2019

- Practical/viva exams Scheduled (Tentative)
- When: 29th October, 2019.

- ODD Semester term end.
- When: 12th October, 2019.

Achievements of the Department

- IETE Mumbai centre invited **Dr.S.S.Thakur** to give a technical talk on Mobile Communication-5G at PVPPCOE Mumbai on September 20th 2019.
- **DR.SS.Thakur** Published paper 'Modified Trident UWB Printed Monopole Antenna' with **Prof.K.P.Ray** in International Journal 'Wireless Personal Communication' ISSN 0929-6212.
- **Dr.S.S.Thakur** had been invited as Keynote speaker for International conference **ICMESS-2019** organized by IFERP.
- **Dr.S.S.Thakur** had been appointed as one of the Reviewers in 'Communications(COM)'; For Science Publishing Group INC.
- **Prof.Prathamesh Mestry** awarded 'Certificate of Appreciation' for his valuable contribution to the workshop entitled 'Image Processing basics using MATLAB'. on August 31st, 2019 at Vidyalkar Institute of Technology held by ETSA Committee.
- **Prof.Ranjana Gite** presented paper titled "Comparison of MQTT and COAPP Application layer Protocol of IOT" at (ICEECR) held in Mumbai on September 14th, 2019.
- **Dr,Dhananjay Patel** receives 'Letter of Intent ' from 'Kokuyo Camlin Limited' to collaborate with Vidyalkar Institute of Technology ,Mumbai in project entitled 'Tracking Board for Unsafe Act ,Detecting Abnormality and Quality Monitoring'.
- **Dr.Arpit Rawankar** had been invited for talk on 'Laser and Electron Beam Collider' in Bharat Forge Kalyani Centre for Innovation and Technology . This talk was also attended by Prof Mohit Gujar from EXTC Department.
- **DR.SS.Thakur** had been invited as **Guest of Honour** at Bharat College of Engineering on the occasion of **Technofunction -2019**.
- **DR.SS.Thakur** had been invited as Resource Person for FDP at K.J. Somaiya IT college of Engineering for the topic printed antenna on 2nd July 2019.
- **IETE** also conducted workshop on 'Antenna Designing' under the guidance of **Dr.S.S.Thakur**.
- **Dr.S.S.Thakur** along with **Dr.Mehran Sarkarati** (Head Applications and Robotics Data systems for European Space Agency ,Germany) as shown in following Picture had been invited as **keynote Speaker** for **ICMESS -2019**:



- Picture 5. Poster for ICMESS-2019

Editor

Prof. Amey Revandkar

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