

ARMY INSTITUTE OF TECHNOLOGY, PUNE DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

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Dr. G R Patil
HoD, E&TC

Editor

Dr. Shraddha Oza
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Technical Support

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"Technology is best when it brings people together."

Matt Mullenweg, Social Media Entrepreneur



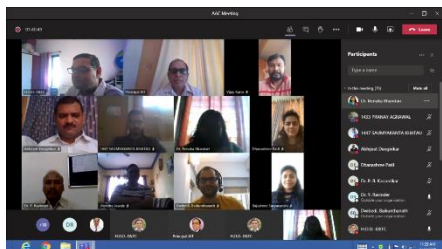
**MAGAZINE
&
NEWSLETTER**

Jul - Dec 2020 Issue 1

Meetings

AAC meeting Dec 2020

Meeting of Academic Advisory Committee (AAC) was held on Saturday 5th Dec 2020 at 10.00 am in Online Mode on Microsoft Team platform.



AAC Members

- Dr. Y. Ravinder, Prof, Dept. of Electronics Engg., PICT
- Mr. Abhijit Deogirikar, MD & Chairman CopperCloud IoTech Pune
- Mr. Baikunthnath Dwivedi, Alumni AIT

Internal Members:

Dr. B P Patil, Principal-AIT
Dr. G R Patil, HOD (E&TC)
Dr. Mrs. K S Surekha,
Prof. Dr. P. B. Karandikar

Student Members:

Mr. Saumyakanta Khatau
Mr. Pranay Agarwal
Mr. Gaurav Mishra

Staff Co ordinators:

Ms. Snehal Marathe
Ms. Rajashree Suryawanshi
Ms. Dhanashri Patil

Agenda of the Meeting:

- Discussion on Academic performance
- Industry-Institute Interaction Initiatives
- Placement & Higher Studies
- Revised Curriculum for SE to BE
- Online Teaching Learning
- Discussion on Vision, Mission and PEOs

Staff Activities

- Following faculty published research papers in renowned **International Journals**
 - Dr. P B Karandikar
 - Dr. Shraddha Oza
 - Dr. Renuka Bhandari
 - Ms. Rajashree Suryawanshi
- Ms. Snehal Marathe and Ms. Shilpa Pawar presented their respective papers in **international conferences**.
- Dr. G.R. Patil published **books** on -
 - a. Data Structures
 - b. Digital Communication
- All faculty members actively **participated** in over 75 National and State level STTPs, FDPs, Workshops and online training programs during the semester.
- Following faculty were appointed as **Resource persons**
 - Dr. G.R. Patil
 - Dr. Surekha KS
 - Dr. Shraddha Oza

- Mr. J. B. Jawale
- Mrs. Sushma Patil
- Mr. Avinash Patil
- Mr. Girish Kapse
- Prof. Jitendra B Jawale. Has created a You Tube Channel "**Online Learning Solution**". This channel is for Power electronics, Electronics system design and Electronics Product Design lover. Electronics engineering concept tutorials is available in English and Hindi.

He said, "I will share my academic and industrial experience in the field of electronics engineering & product development in the industry on electronics & power electronics. It also provides study tips, application & use of equipment in academics. All videos are useful for GATE, ESE and PSU exam. If you are looking for someone to make a review of your product or product of your company such as Power electronics related product SMPS, UPS etc. you can contact me so we can collaborate and work on it."

- For Business enquiries: jitendra33_jawale@yahoo.co.in
POWER ELECTRONICS By Prof. J B Jawale
- Link for YouTube Channel <https://www.youtube.com/channel/UCifgKZDPwjeH92r0YIRwesw/featured>

Students Activities

Over 30 student took intership during the semester at various companies viz.

- CopperCloud Tech Pvt Ltd
 - Deep Info Lab
 - Digital Persistent
 - Edgate Technologies Pvt Ltd
 - EOrganic Market
 - HackerearthHamari Pahachan
 - Indigenous robotics unmanned solutions
 - Intech Olympiad
 - Redesign Media Labs
 - Softech Data Securities
 - Solytics Partners
 - Tata group of company (TGC)
- Out of these, Copper Cloud Tech., Digital persistent and Deep Info Lab are startups by AIT Alumni.

Department Activities

Workshops

Four workshops under the IIITDM, Jabalpur were organized jointly by Electronics and ICT Academies through National Knowledge Network under the "Scheme of financial assistance for setting up of Electronics and ICT Academies" by the Ministry of Electronics and Information Technology (MeitY), and Government of India. This programme is endorsed by AICTE / UGC / NBA. The workshops were

conducted by IIITDM, Jabalpur through our remote center.

Two week Global Online FDP on Machine Learning for Computer Vision

Two-week Online FDP on Machine Learning for Computer Vision was conducted from 29th June to 8th July 2020.

There was live interaction between participants at the Remote Center at IIITDM, Jabalpur. About 41 Faculties & Students from AIT & other Institutes.

Two Week Global Online FDP on Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB

Two-week Online FDP on Advanced Optimization Techniques and Hands-on with MATLAB/SCILAB was conducted from 13th July to 24th July 2020.

There was live interaction between participants at the Remote Center at IIITDM, Jabalpur. About 13 Faculties & Students from AIT & other Institutes.

Two week Global Online FDP on Data Science for All

Two-week Online FDP on Data Science for All was conducted from 27th July to 7th August 2020.

There was live interaction between participants at the Remote Center at IIITDM, Jabalpur. About 11 Faculties & Students from AIT & other Institutes.

Two week Global Online FDP on ICT Tools for Teaching, Learning process & Institutes

Two-week Online FDP on ICT Tools for Teaching, Learning process & Institutes was conducted from 10th August to 21st August 2020.

There was live interaction between participants at the Remote Center at

IIITDM, Jabalpur. About 49 Faculties & Students from AIT & other Institutes.

Webinar on Career Opportunities for E&TC Graduates

A Live Webinar on Career Opportunities for E&TC Graduates was conducted on 3rd August 2020 for all year students.



Mr. Sandeep Dhull, Alumnus of the department and MAC Platform Engineer at Apple San Francisco Bay Area conducted the webinar. Total 107 Students attended the webinar.

The webinar was organized by Dr. G R Patil Head of Department and Mrs. Snehal Marathe.

Webinar on Semiconductor : Catalysts for your Career

A Live Webinar on Semiconductor: Catalysts for your Career was conducted on 11th August 2020 for all year students.

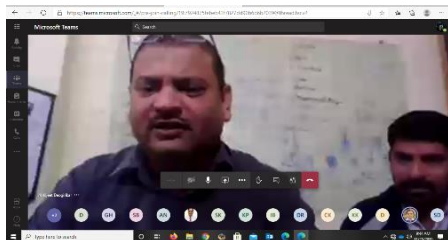


Ms. Namrata Sharma, alumnus of the department (2001), and Sales Director, HCL Texas, USA conducted the webinar. Total 112 Students attended the webinar.

Dr. G R Patil Head of Department and Mrs. Sushma Patil organized the webinar.

Faculty Orientation Workshop on Electronics Skill Development

A FDP on SE (E&TC) subject Electronics Skill Development under the aegis of BoS E&TC, SPPU was organised from 23rd to 26th June 2020.



Mr. Abhijit Deogirikar, Founder and CEO. Coppertech Cloud Tech Pvt. Ltd. , Pune, conducted the workshop.

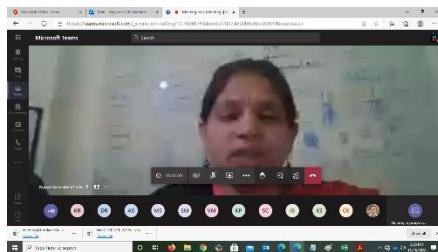
Dr. G R Pati; Mrs. Sushma Patil and Mr. Avinash Patil coordinated the event.

FDP on Internet of Things

An AICTE sponsored FDP on Internet of Things With Industry Perspective Under AICTE Training & Learning (Atal) Academy was organised by the department from 24-28th Nov 2020. Over 160 Faculty from all over India participated in the program.



Mr. Atul Bengiri, Acument today, Mr. Abhijeet Deogirikar, Founder & CEO CopperCloud Tech Pvt. Ltd. and Mr. Advait Upadeo, TCS Nagpur were the resource persons who conducted the FDP.



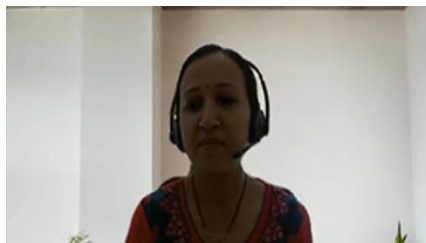
Dr. G R Patil, HOD-E&TC coordinated the program.

Seminar on 5G Communication Systems and Solutions for IOT

A seminar on Communication Systems and Solutions for IOT was conducted by the department on 23rd October 2020 for faculty and students.

Dr. Chetna Singhal, IIT Kharagpur conducted the seminar. The seminar was organized by Dr. Surekha K S and Mrs. Sushma Patil.

Guest Lecture on PLL and its Applications



On 27th November 2020, Prof. Deepali Newaskar from RMD Sinhadgad College of Engineering conducted a lecture on “PLL and its Applications” for SE E&TC. Total 40 students attended the same.

Live Webinar on Vehicle Networking & Diagnostics

A Live Webinar on Vehicle Networking & Diagnostics was conducted on 5th December 2020 for faculties and students.

Ms. Aparna Choudhary, Associate Software Engineer, Robert BOSCH engineering & Business Solutions conducted the webinar. The webinar was organized by Dr. Surekha K S.

Alumni Corner

Alumni Talks



Mr. Baljit Singh, Co-Founder and CEO of mTatva and Simbo.ai as an alumnus of the department 2000 batch.

Mr. Baljit Singh is having around two decades of experience in variety of roles in Technology, business, strategy and management. He is passionate to work in healthcare IT industry to solve some of key issues in primary healthcare. He had worked with multiple companies including one of top semiconductor companies as well as startups.

Sweta Pal and Rutuja Patil (Both from BE E&Tc) interacted with him through zoom platform. Excerpts from the interview are as follows –

Q. What was the inspiration behind starting your own company?

Ans. - Once I went to visit my parents in Haryana. I observed the interaction between the doctors and the patients and the relationship they

shared, both of which inspired me to solve the issues and problems in healthcare!

Q. What was your Idea/thought process behind mTatva (mention name of company)

A. The thought process was to build a patient enhancement system which would help them recover quickly. This gave birth to mTatva where M stands for mobile health and tatva means values.

Q. How much time did you take to set up the company and establish yourself in the market?

Ans. After working for around a year, we managed to establish in the market.

Mr. Baljit Singh then found his co founder as Mr. Praveen Prakash. They started generating revenue by collaborating with hospitals and have them pay per subscription.

Q. Resolving the Dilemma of ENTC graduates : Sir, we being from E&TC face a lot of problems during our placements ,because core companies visiting the campus are really less..In such a case what do you suggest us to do...should we switch to software or do we wait and enhance our skill set till we get the right opportunity in today's industry scenario ?

Ans - What is needed is to understand and recognize your passion and talents, and then find the right job profile. The students need to consult their seniors for what is the present scenario of the companies, be it big or small companies and then after setting your goal to specific posts and jobs, start working to achieve them.

Q. Tips Regarding Entrepreneurship: Sir , would you give us some tips regarding how to start our

entrepreneurial journey ,being in TE -ENTC ?

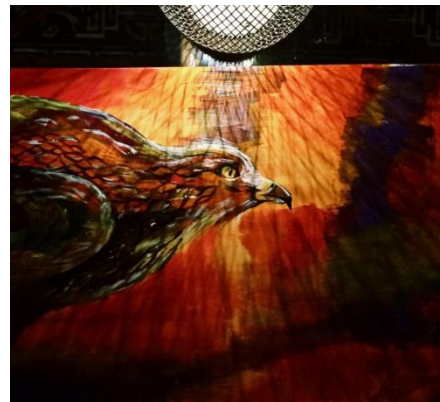
Ans. There are mainly three areas of importance if you are from Electronics and telecommunications. They are: VLSI, Electronics and IOT. Among these, VLSI is a very expensive business to start with. IOT is an emerging industry and will be flourishing in the coming years. Basically, what is needed is to identify a real life problem statement and find the solution for it; finding out the needs of the people and make a product following the 80-20 rule where you make 20% of the product, release it in the market and do the rest 80% as per the consumer's needs.

Magazine Section

Art Corner



Sketch by Vikram Singh, SE E&Tc



Himani Singh, TE E&Tc



Himani Singh, TE E&Tc