PCB Designing and Etching Workshop

From the HOD's Desk

Dear Readers,

GREETINGS!

It has been an exciting semester! In line with our commitment towards the holistic development of our students, three Add-on courses were conducted. Phase I of our Annual event, "TECHNO-2K19" saw an impressive turnout of Industry Experts to evaluate the B.E projects. Continuous rains & a long journey to Aurangabad did not dampen our students' enthusiasm & curiosity during our industrial visit to 'Endress and Hauser'. Our socially conscious 'BETA' took great efforts to collect an impressive amount for the flood affected victims of Kolhapur & Sangli. 'Khelotsav', a BETA initiative received tremendous response from students.

HAPPY NEW YEAR!!

Two Days Hands on Training on "PCB Designing and Etching" was conducted from 17th to 18th September 2019. Students learned Proteus software, did schematic and simulation in EDA Tool, PCB Fabrication process individually. Workshop was conducted by E&Tc alumni, Pranav Auti and Aditya Fuke along with Prashik Taware and Shreyas Shetty. Total 95 participants completed the workshop.

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- Gordon Lindsay Glegg

Events Conducted

- 'Orientation Program' for S.E (E&TC) students was organized on 4th July 2019. Ms. Manasi Bidkar, Director, MELCON (Melux Control Gears Pvt. Ltd) was the chief guest.
- Three Days Workshop on "Python based Artificial Intelligence" was conducted on 27th to 30 July 2019 under the aegis of IETE student chapter.
- As an up gradation of MOU between E & TC and B & R Automation Pvt. Ltd. "Evaluation & Training for Automation (ETA) kit" was installed by B & R Automation on 30th July 2019 at the department.
- Drishti Online Test 30th August 2019
- Hands-on Training on "Proteus" was conducted on 31st August 2019.
- Three Days Workshop on "Advanced Projects based on IoT" was organized from 16th to 18th September 2019.
- Workshop on "Advanced Project Based IoT" was organized by for BE students 16/09/2019 and 17/09/2019 under ISTE students chapter. Mr. Tushar Kute and Mr. Aniket Thorve from MITU Skillologies Pvt. Ltd., Pune conducted the training sessions.
- One Day Workshop on Python was conducted on 21st September 2019.
- "FAST ASSESSMENT BY COMPANY EXPERTS (FACE)" event was conducted from 26/9/2019 to 28/9/2019 for TE & BE students under ISTE students chapter. Mr. Chetan Shinde from Ashman Technical Pvt. Ltd. was the external judge.
- Techno 2K20 Phase I Poster Presentation was conducted on 5th Oct 2019.
- Whizkey (OPC) Pvt. Ltd. & Department of Electronics & Telecommunication Engineering signed a Memorandum of Understanding (MoU) on 5th October 2019.

MoU with Whizkey (OPC) Pvt. Ltd.

The MoU facilitates the free 3 months hands on training, internship and also placement for the Electronics and Telecommunication, Electrical & Computer Engineering Graduates of MMCOE. The company will conduct its business activities from the Startup Innovation Lab of the Institute.

Industrial Visit

- One day visit to Endress and Hauser, Aurangabad and on 31st August 2019 for SE & TE students.
- One day visit to MKCL, Pune on 3rd September 2019 for BE students.
- One day visit to Precision Instruments and Engineering, Pune on 23st September 2019 for BE students.

E&TC Alumni Association

- Hands on training on Proteus software for TE students was conducted by Mr.Pranav auti and Mr.Aditya Fuke for the topic "DAQ &Sensor interfacing with microcontroller" on 31/8/2019.
- Mr.Kedar Bhusanikar, APM and Automation Consultant, Perform IT, Ireland conducted a lecture on "Recent trends and Job opportunities for E & TC graduates" for BE-E &TC students on 09/09/2019.
- Project Guidance to BE students was provided by Mr.Chetan Shinde throughout the semester.

Staff Achievement

- Ms. P. S. Sawant was awarded Elite grade and gold medal for NPTEL course in "Accreditation and Outcome Based Learning".
- Ms. P. S. Sawant was awarded Elite grade and Silver Medal for NPTEL course in "Introduction to Internet of Things".
- Ms. S. S. Tavse was invited as Guest Lecturer for "Digital Signal Processing" for TE E&TC at Zeal College of Engg, Pune.

Autonomous Driving

Autonomy technology is any kind of technology that can function without being told what to do by a person on Earth.

AuT technology shares many common traits. They are all based on recent breakthroughs in the domains of (deep) machine learning and artificial intelligence.

Student Achievements

- Aditya Joshi and Sagar Bhalerao were the member of team which won second prize on national level in SUPRA SAE India students formula 19 during 15th to 20th July 2019.
- Avinash Bobade (BE) secured first place and Saakshi Shalgaonkar(FE) secured third place in Inter Department 1 Minute Skipping Competition held on 21st December 2019 at MMCOE in boys and girls category respectively.
- Vijay Pillai(SE) secured third place in Inter Department Pull-Ups(Boys) Competition held on 21st December 2019.

BETA Activities

- BETA Committee Interviews were conducted on 22th July 2019.
- Social Activity was performed by Collection of Flood Relief Fund for Sangavi and Kolhapur.
- Khelotsav, intra department sports competitions, was organized fm 26 to 28 September 2019.

Student's View

An event like the Three Days Workshop on "Python based Artificial Intelligence" unleashed the talent of MMCOE. It was a perfect blend of platforms like Artificial intelligence, Machine learning and python Toolkits. This event has been totally managed by IETE students chapter of MMCOE "

- Gauri Bodade (T.E)

Guest Lectures

- Ms. Manasi Bidkar, Director MELCON (Melux Control Gears, Pvt. Ltd.) Pune on Scope of Electronics and Telecommunication Engineering in Industry on 4/7/2019 for SE students.
- Mr. Akshay Kudale Founder & Business Developer, DELDSIM.COM Use of Simulation software in Research of Digital Electronics & Hands on Trainer kit simulation on 20/7/2019 for SE students.
- Mr. Archis Bhave, CTO, PAKO Technologies PVT LTD on BE Project Ideas and Implementation on 22/7/2019 for BE students.
- Mr. Prasad Tasgaonkar, Director, Task Compusys Pune on Applications of Data Structure in Real World on 2/8/2019 for SE students.
- Dr. Jaideep Vaidya RBS Dean Research Professor in MSIS Dept. at Rutgers University on Engineering Secure and Privacy Preserving Systems for Big Data Environment on 28/08/2019 for TE students.
- Mr. Pranav Auti and Mr. Aditya Fuke, Co-founder Masin Tech on PCB design and simulation in Proteus on 31/8/2019 for TE students.
- Mr. Ganesh S., Application Engineer, B&R Industrial Automation, Pune on Introduction to Automation Tools on 4/9/2019 for SE,TE,BE E&TC, ELECTRICAL,MECHANICAL students.
- Mr. Anirudha Kulkarni on Uniform Plane waves and RF Antenna on 19/09/2019 for TE & BE students.
- Ms. Minakshi Atre, Asst. Prof. PVGCOET on Applications of Feature Extraction on 19/09/2019 for BE students.
- Mr. Vivek Aranke, Industry consultant and Professor VIIT, Pune on Switched Mode Power Supply on 20/9/2019 for SE & TE students.

Augmented Reality

Augmented reality is a technology that works on computer vision based recognition algorithms. It is a good way to render real world information and present it in an interactive way so that virtual elements become part of the real world.Google Glass, a wearable computer with optical head-mounted display, is a perfect example.

- Mr. Shreekrishna Joshi, MD, Atos Syntel Pvt. Ltd. Pune and Mr. Khopkar on IoT on 21/9/2019 for BE students.
- Dr. Ahutosh Marathe, Dean & Professor VIT on Applications of IIR & FIR filters on 21/09/2019 for TE students.
- Mr. Rohit Khopkar, Director, IT Dept. Atos Syntel Pvt. Ltd on Opportunities in Electronic Product Design on 24/09/2019 for BE students.
- Prof. Madhavi Belsare, Professor VGCOET on Recent Trends and Applications in Baseband Receivers on 25/09/2019 for TE students.
- Mr. Neeraj Kale from Embedded Developer Johnson Controls PVT LTD on Industrial Applications of Embedded Systems on 28/09/2019 for TE students.

Cryptography

The art and science of concealing the messages to introduce secrecy in information security is recognized as cryptography. The process of disguising a message in such a way as to hide its substance is encryption. An encrypted message is ciphertext. The process of turning ciphertext back into plaintext is decryption.
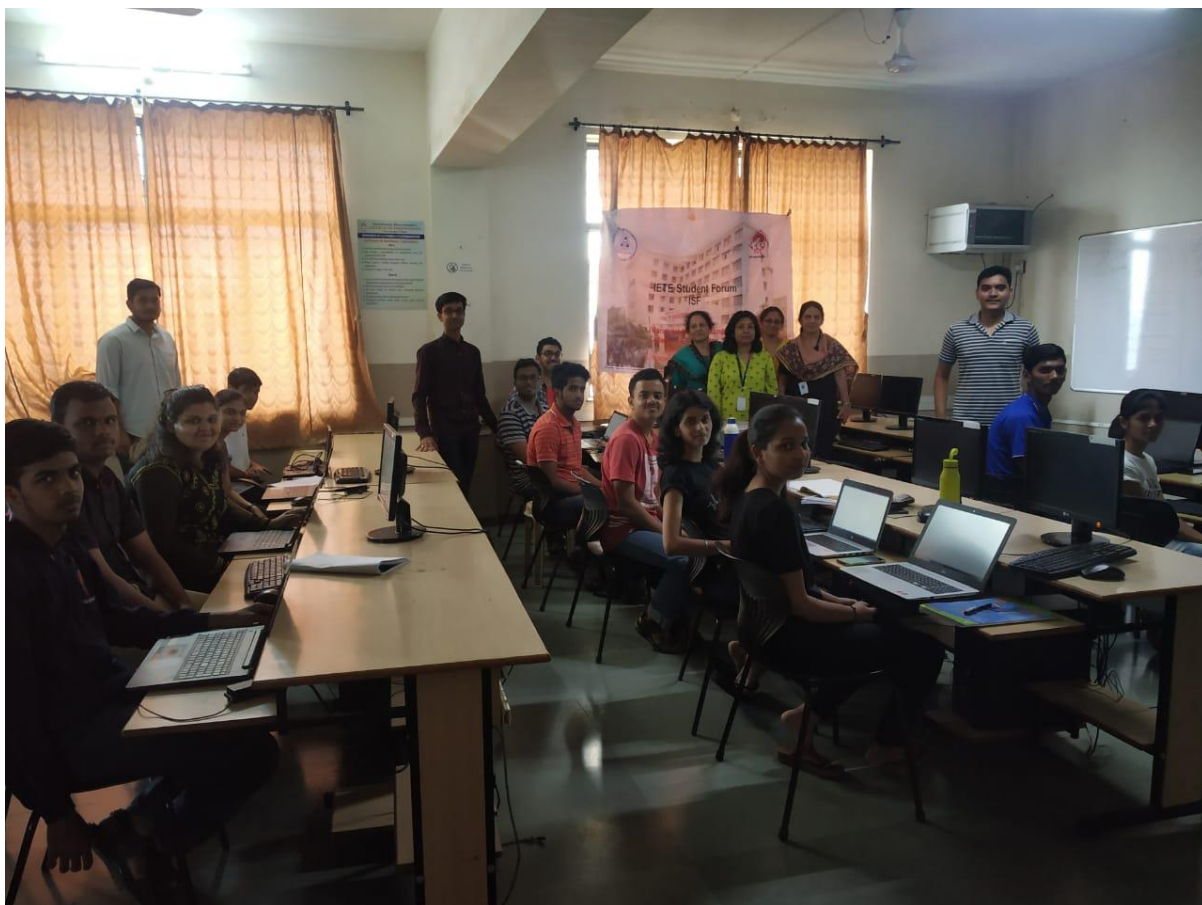
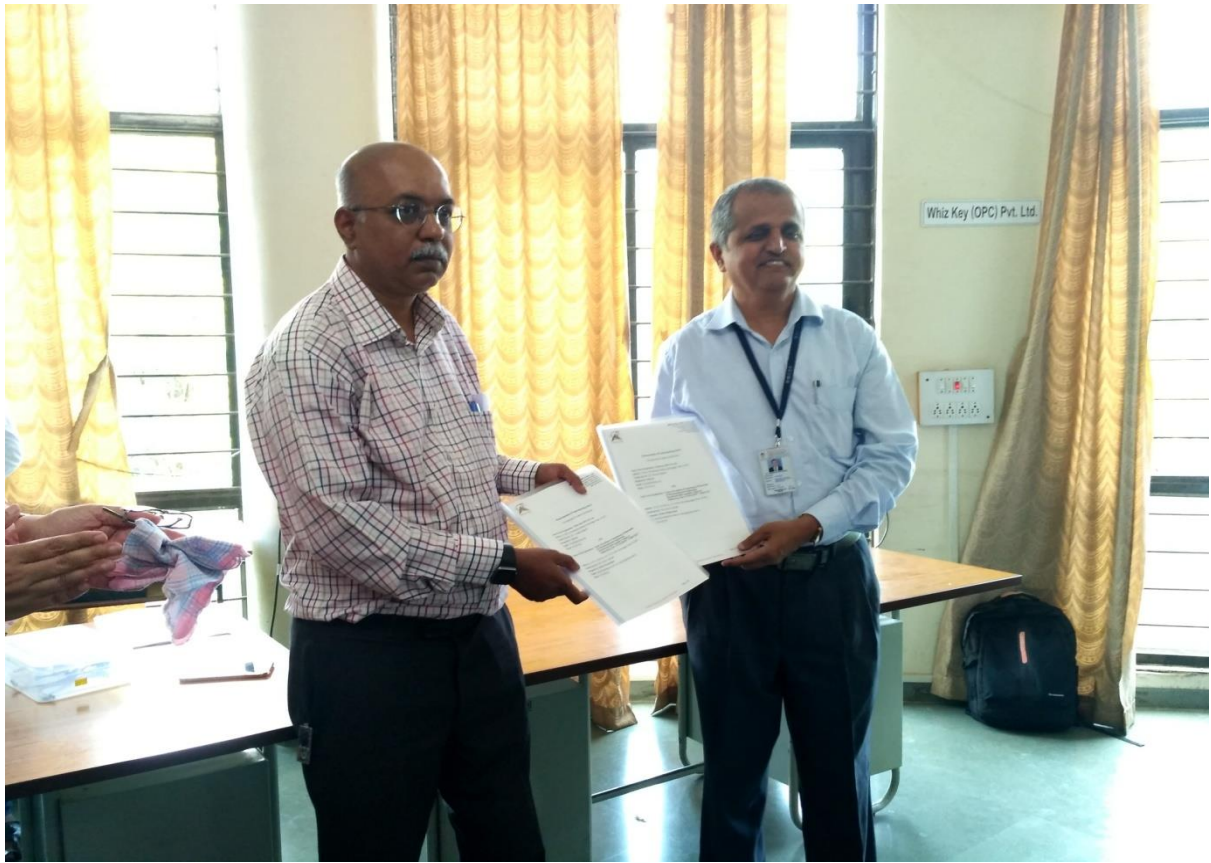# Photo Gallery

PCB Design Workshop

Handover of B&R Kit

Workshop on "Advanced Projects based on IoT"
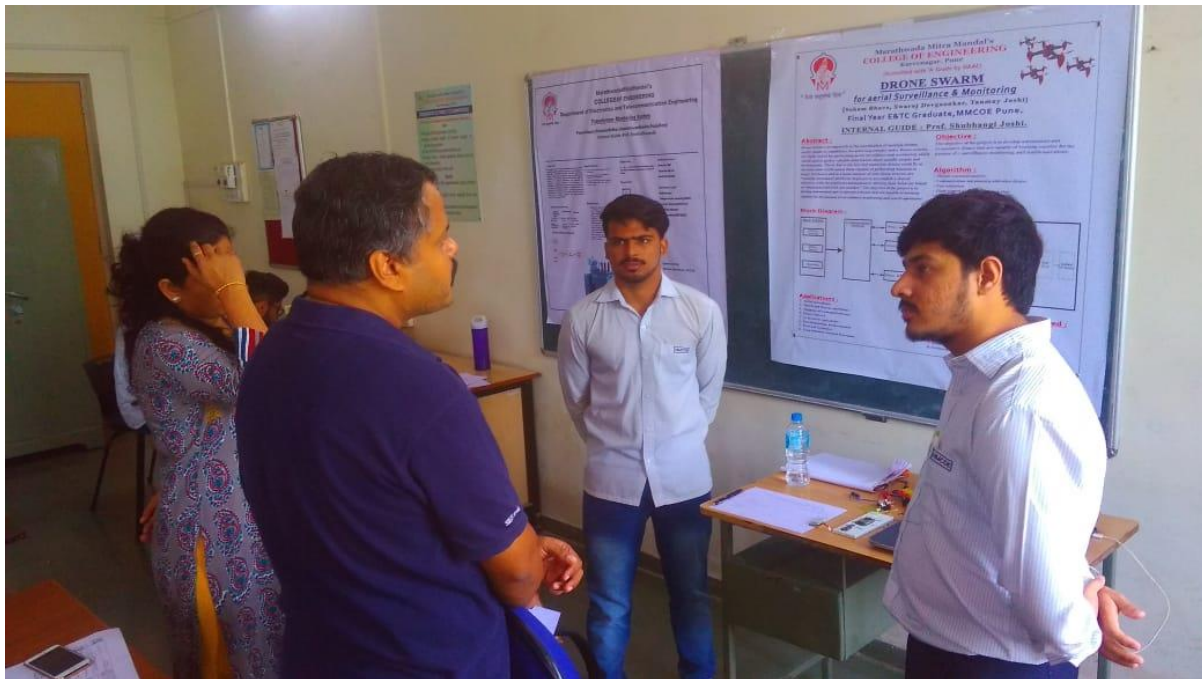

One Day Workshop on Python

MoU Signing with Wizkey Solutions Pvt. Ltd

Poster Presentation

Poster Presentation

Seminar on "Introduction to Automation Tools" by Mr. Ganesh from B&R Automation

Mr. Kedar Bhusanikar conducting the Guest Lecture

Khelotsav

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