

# K.J.Somaiya Institute of Engineering & Information Technology

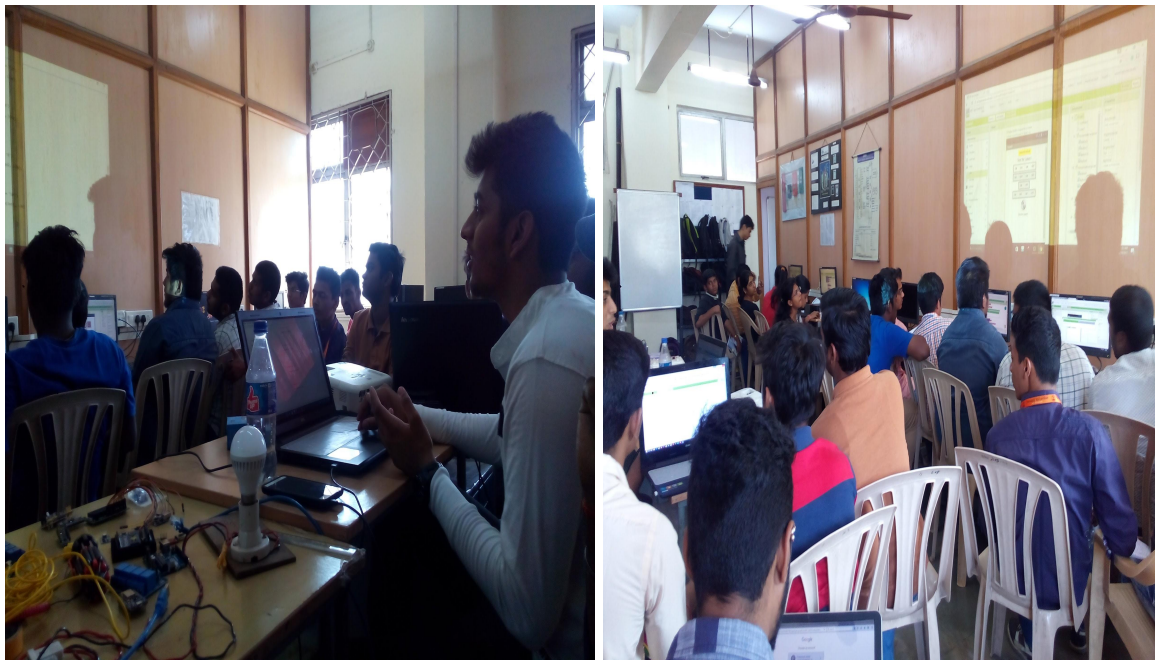
## Newsletter

### “Techotsav”

Academic Sem : Jan 2017-April 2017

#### 1. Details of Co-Curricular Activities Organized by the Department:

1. Prof. Sarika Bhosle has arranged a one day workshop on “Mobile App Development & Getting Start with IoT using Open Source Cloud Platform” under KJSIEIT-ISTE Students Chapter in Association with IETE at KJSIEIT, Sion on 28<sup>th</sup> Jan. 2017.



Some photos of workshop

2. Prof. Sarika Bhosle has arranged a one day workshop on “ Arduino Board & Its Programming” under KJSIEIT-ISTE Students Chapter in Association with IETE at KJSIEIT, Sion on 6<sup>th</sup> Aug 2016.
3. Panel Discussion on ‘Bridging the gap between the Industries & Academia’ arranged by Dr. Milind Nemade and Prof. Vrinda Ulhas on 27<sup>th</sup> Feb. 2017

#### 2. Students Achievements:

1. Kapil Goswami, Anjali Parmar, Vijaya Mishra (BE ETRX) students exhibited their project “ ArcadeVR- mocap suit in India’s biggest maker movement “Makermela” as a maker for the year 2017. organized by K J Somaiya, Vidyavihar awarded Certificate of

appreciation.

2. Soumil Shah, Shailendra Jadeja. (BE ETRX) students exhibited their project “ AI based IOT controlled Smart House” in India’s biggest maker movement “Makermela” as a maker for the year 2017. organized by K J Somaiya, Vidyavihar awarded Certificate of appreciation.
3. Kapil Goswami, Vijaya Mishra (BE ETRX) has presented their project “ArcadeVR-Boady Motion Captured Suit for Virtual Reality Applications (year 2017) in ZEE 24 TAAS YOUNG INNOVATOR AWARDS 2016 guided by Dr. Milind U. Nemade.
4. Nikhil Tejpara, Mandar Chalke, Hemadevi Bhist, Parvez Patel has presented project “RFID based Eco Multipurpose Smart Bag with Tracking System” (year 2017) in ZEE 24 TAAS YOUNG INNOVATOR AWARDS 2016 guided by Prof. Medha Asurlekar.
5. Pradnya Jawale, Chirag Joshi, Jignesh Kataria has presented their project “Speech Recognition System for Blind People using Raspberry Pi & Jasper Platform” (year 2017) in ZEE 24 TAAS YOUNG INNOVATOR AWARDS 2016 guided by Dr. Milind U. Nemade.
6. Gaurav Mishra and Raj Misal from TE ETRX attended 22<sup>nd</sup> Annual International Conference on Advanced Computing & Communications (ADCOM 2016) at Bangalore and ARM Design Challenge in PES University Bangalore.
7. Kapil Goswami, Vijaya Mishra, Anjali Parmar (BE ETRX) Participated in 8<sup>th</sup> Indian Youth Science Congress organized by University of Mumbai,M.S. Swaminathan Research Foundation, Chennai, RG National Institute of Youth Development, Chennai,with the title of Presentation: Arcade V R Full Body Motion Capture suite for virtual reality in Education & Industrial Applications.
8. Gaurav Mishra from TE ETRX Shortlisted for the hackathon (project competition) held in IIT Mumbai on 27<sup>th</sup> Jan. to 29<sup>th</sup> Jan. 2017.
9. Soumil Shah and Shilendra Jadeja has received certificate of Excellence in “Story of Makers” for being 1<sup>st</sup> runner-up for Artificial Intelligence IOT based Time Home Automation and Security at story of Makers – A National level “Maker Movement” held on 25<sup>th</sup> & 26<sup>th</sup> March 2017, organised by Tarun Mitra Mandal.



Soumil Shah and Shilendra Jadeja has received certificate of Excellence in “Story of Makers”

10. Gaurav Mishra has received a certificate of Appreciation for participated in “Project Mania” national level project presentation competition organised by Forum of Electronics & Telecommunication Students (FETS) in association with TCS & EMTRON Technology, by Sardar Patel Institute of Technology Matrix 2K17 on 15<sup>th</sup> & 16<sup>th</sup> Feb. 2017.
11. Gaurav Mishra and Raj Misal Awarded Certificate for reaching the finals of ARM Design Contest 2016 on Smart Transportation Systems, and Won gift voucher of Rs. 10,000/- held on 26<sup>th</sup> March 2017 organized by Advance computing & Communication Society at TVS Institute of Quality & Leadership (IQL), Anekal, Karnataka.



Gaurav Mishra Awarded Certificate for reaching the finals of ARM Design Contest 2016

12. Gaurav Mishra and Raj Misal Attended 22<sup>nd</sup> Annual International Conference on Advanced Computing & Communications (ADCOM 2016) at Bangalore and ARM Design Challenge in PES University Bangalore.



### **Faculty Activities:**

1. Prof. Milid Nemade , Prof. Sheetal Jagtap and Prof.Sejal Shah Attended Syllabus Revision Meeting of University of Mumbai for Electronics Engineering held at Vidyalankar Institute of Technology on 9<sup>th</sup> Feb. 2017.
2. Dr. M. U. Nemade has appointed as Adjunct Faculty in the Dept. of EXTC at Saraswati College of Engineering, Kharghar.
3. Prof. Medha Asurlekar has received grant from University of Mumbai of Rs.25000/- on the proposal of minor research for research project: “GPS based Pollution Detection & Control System for environment”. Letter no 421, with reference no APD/237 of 2017 in Jan.2017.
4. Prof. Sheetal Jagtap has received grant from University of Mumbai Sanctioned Rs.35000/- on the proposal of minor research for research project: “Low Cost Self Assistive Voice Controlled Wheelchair for Disabled People”.
5. Prof. Ganesh Wadmare has received grant from University of Mumbai Sanctioned Rs.25000/- on the proposal of minor research for research project: “IoT based Maximum Solar Power Point Tracking System for Greenhouse Application.”
6. Prof. Medha Asurlekar has received Certificate of Appreciation for One day conference on New Initiatives in Apprenticeship Training on 20<sup>th</sup> Oct 2016.
7. Dr. M. U. Nemade has appointed as Member of the Vigilance Squad to the Examination Centers ,Moderation Committee Member and Syllabus Revision Committee during First & second half of the year 2016.
8. Prof.VrindaUllas, Prof. Sejal Shah, Prof. Pankaj Deshmukh and Prof. SarikaBhosale has appointed as Member for Revision of syllabus of University of Mumbai.
9. From 30<sup>th</sup> Nov.2016 to 11<sup>th</sup> Dec. 2016 , Prof. Vrinda Ulhas has completed online course on “Outcome based education” and scored 97.5%
10. From 8<sup>th</sup> July 2016 to 3<sup>rd</sup> Sept. 2016 , Prof. Vrinda Ulhas has completed online course on “Publishing and Reviewing Papers in Engineering Education” and scored 84%
11. From 20<sup>th</sup> Feb to 17<sup>th</sup> March 2017 ,Prof. Sejal Shah has completed online NPTEL course on Medical Image Analysis.

### **Papers Published/Presented by Faculties/Students in National & International Conferences/Journals/ Technical Events/ Council:**

- 1.Prof. Sejal Shah and BE students has published a paper on “Library Assistant Robot using Firebird V” in an International Conference held at Datta Meghe College of Engineering, Airoli,on 7<sup>th</sup> & 8<sup>th</sup> April 2017.
- 2.Parth Dave,Rohitpuri Goswami, Kailash Patel and Rushabh Soni students from BE ETRX has published a paper on “Design & Development of Water Distillation & Desalination Plant “ in Volume 5, Issue III, of International Journal for Research in Applied Science & Engineering Technology (IJRASET 6685) with ISSN No: 2321-9653 .

3. Karan Shah, Milan Sabadiya, Viral Pandya and Pruthvi Chauhan with guide Prof. Sheetal Jagtap has presented a paper and published a paper on “Smart noticeboard with Attendance system” in International Conference held at Datta Meghe College of Engineering, Airoli with ISBN-978-93-86171-02-3

**Awards /Recognitions received by faculty and students:**

**1. Mr. Kapil Goswami** (BE Student) developed PIR based counter device. This is a PIR based device which sense the moment within a sensor range, and increments the counter and displays on a 4 digit 7 segment display. The main feature on this device is counter value stored in EEPROM memory so when we turn off device and later when we turn on device, counting starts from previous stored value, while in other microcontroller and similar devices it reset automatically after turn off.

The company “*Shivaay Enterprises*” required this kind of device for their application and **Mr. Kapil Goswami** received order of manufacturing and delivery of 100 quantities of this device. The cost of this device is decided as Rs.1000 per unit.

**2. Mr. Gaurav Mishra and Mr. Raj Misal** won the *Promising Presentation Award* at *ARM Design Contest 2016*, TVS IQL Anekal, Karnataka for presentation title "Cluster Braking System for Autonomous Vehicles" on March 26, 2017 organised by Advanced Computing and Communications Society.

**3. Mr. Soumil Shah, Mr. Shilendra Jadeja** and his team won *Second place cash prize of Rs. 15000/-* in National Level Project Competition "Story of Makers" held at Matunga, Mumbai.

4. Nikhil Anjane, Bharatesh Atman, Suyash Chavan, Pratik Chavan, Ketan Bhadra, Rishab Gujarathi, Aniruddha Sawant, Rajas Bhadkamkar from TE ETRX has participated in ROBOCON 2017 and held 9th Position (out of 110 teams participated).