K. J. Somaiya College of Engineering
(Autonomous College Affiliated to University Of Mumbai)
Department of Electronics Engineering

NEWSLETTER

July-December 2019

Somaiya
TRUST

Thought from the HOD

We are pleased to present the departmental Newsletter for the term July-December 2019. This Newsletter will definitely help to showcase the activities that are happening in the department. It also helps in building up teamwork which is very much needed today in the world of competition. It provides a platform for exposing the merits and academic achievements of the faculty. This would definitely create an impact in the minds of readers, by way of providing larger visibility and dimension to the department.

I would like to thank Principal, Management, colleagues and students for their support as Head of Department.

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Dept. of Electronics Engineering,
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Vidyavihar (E), Mumbai – 77

Vision:

To impart excellent quality-education by keeping pace with rapidly changing technologies and to create technical manpower of global standards with ethical and social values.

Mission:

Efforts to impart quality and value based education to
- Raise satisfaction level of all stake-holders
- Create competent professionals

Provide all possible support to promote research and development activities

Program Educational Objectives (PEOs):

A graduate of Electronics Engineering will

PEO1: Adapt to upcoming technologies to solve real life problems of society.

PEO2: Pursue higher education or research, demonstrate entrepreneurial qualities.

PEO3: Emerge as a leader with professional and ethical outlook, exhibit effective Communication, teamwork and multidisciplinary approach.

Program Outcomes (POs):

After successful completion of the program, graduate will be able to:

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The Engineer and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

PSO1: Develop applications in the areas of embedded systems, Communication, Control and Automation.

PSO2: Pursue higher studies in VLSI, Signal and Image processing.

Departmental Activities:

- FY Induction programme was organized in the department in the month of August 2019.
- Departmental EESA Council 2019-20 was inaugurated on August 6,2019.
- Parent-Proctor Meeting was organized in the department in September 2019.
- Session on "Bodhi Tree" was conducted by Dr. M.D. Patil for all faculties in the department in November 2019.
- Departmental Open day was organized successfully in December, 2019 for SY Students.
- Mr. Aashish Kulkarni from FESTO gave a presentation for installing center of excellence for Industrial Automation lab in the department in December 2019.
- A project on Hydrophonics under e-Farm was displayed in Abhiyantriki 2019 and Maker-Mela 2019. This was coordinated by Mrs. Kirti Sawlani and Mr. Kiran Kardile.
- Lectures were conducted for nonteaching staff during the semester. Details are:
  - Basics of Hydraulic System by Mr. Uday Chhatre
  - Basics of Virtual Instrumentation by Mrs. Parul Sindhwad
  - Introduction to eSIM by Mrs. Megha Sharma
  - Android Programming by Dr. Ninad Mehendale
  - Networking by Mr. Umang Patel and Mrs. Sudha Gupta

Session on Bodhi Tree

FY Induction Program

E-Farm Project

Teachers' Day Celebration

FESTO Presentation

Parent-Proctor Meeting

Session on Android Programming

Session on Networking

EESA Council 2019-20

Teachers Day

Workshop on eSIM

Workshop on Virtual Instrumentation

Workshop on Calculator

Workshop on Hydraulics

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Abhiyantriki 2019

Circuit designing Workshop

HOD felicitating Mrs. Rajashri Paralikhar

HOD presenting a token of appreciation to Mr. Mukesh Jain.

Session by Puneet Takur

Session by Mr. gajendra Deshmukh

| e-farm Project-Hydroponics | Session on GRE and Overseas Education |

Faculty Activities:

Department encourages faculty to enhance the knowledge in their own interest areas. Faculty can apply through FDC for any relevant workshop, STTP or technical course throughout the semester.

- Mrs. Rajashree Daryapurkar attended a STTP on "CCNA Routing And Switching: Introduction to Networks" at Cisco Networking Academy in July 2019.

- Mrs. Arati Phadke attended a workshop on "Systems Thinking: A computational Approach Using PBL" at KLE Technological University, Hubballi in month of November 2019.

- Mrs. Annu Abraham attended a STTP on "Factional Calculus Applications in Control, Computing Signal & Image Processing" at Ramrao Adik Institute of Technology, Navi Mumbai in November 2019.

- Mrs. Bharati Khedkar attended a STTP on "Modern 3D Modeling and Printing Techniques" at Sardar Patel Institute Of Technology in December 2019.

- Mr. Inderjit Singh Dhanjal attended a one week FDP on "VLSI chip Design Hands-on using open source EDA" at Ministry of Electronics and Information Technology (MeitY) in December 2019.

- Ms. Bhargavi kaslikar and Ms.. Megha Sharma Attended a ISTE approved STTP on "Emerging Trends in the Field of Mechatronics" at KJSCE mechanical department from December 23-27,2019.

- Dr. Sudha Gupta attended a one day workshop on "Avishkar Research Convention 2019-2020" at Department of Student's Devlopment, University of Mumbai in July 2019

- Mrs. Shila Dhande and Mrs. Megha Sharma attended a workshop on "eSlim, a First Course in the loT Series for Teachers" at MES Pillai College of Engineering, New Panvel organized by IIT Bombay in September 2019

- Mrs.Seema Talmale attended a "International Engineering Educator Certification Program (IIEECP) - Phase I" at K J Somaiya College of Engineering during July 2019.
- Mrs. Amrita Naiksatam attended a STTP on "Diode Circuits and Their Application with Explosure to A mobile EDA" at Shree L.R.Tiwari College of Engineering in July2019.
- Dr. Sudha Gupta , Ms. Bharati khedkar and Mr. Umang Patel attended a One week AICTE & ISTE approved course on "Networking Fundamentals with hands on Traning (In collaboration with CISCO Networking Academy) at K J Somaiya College of Engineering in July 2019.
- Mrs. Bhargavi Kaslikar attended a five day workshop on "Train the Trainer workshop-developing Co-creative mindset applying Design and Systemic Approaches for innovation in Educational Institution" at Don Bosco Institute of Technology, Mumbai in the month of September 2019.
- Mr. Nilesh Lakade attended a session on "Experiential learning, automation, machine learning & Business ethic" at Tata Consultancy Services during August 2019.
- Dr. Ankita Modi attended a QIP on "Electromagnetic Fields and Waves : Theory and Application" at IIT Bombay during July 2019.

Expert Lecture Delivered:
- Mr. Milind Marathe conducted a guest lecture at Ballubhai Krishnial Majmudar Science College, valsad, Gujarat in September 2019.
- Dr. J. H. Nirmal was invited as Session Chair at Dwarkadas J Sanghvi College of Engineering in October 2019.
- Mr. Milind Marathe conducted a Guest Lecture at Centre for professional Development in Higher Education, University of Delhi in September , 2019.
- Mrs. Amrita Naiksatam organized a workshop on "R Programming" as Remote Center coordinator. This was coordinated by Ms. Deepa Jain.

Guest Lectures:
- Guest Lecture on Design and development of Antenna For Parametric Analysis was organized by Ms. Seema Talmale and Mr. Makarand Kulkarni on September 24,2019.
- Mrs. Amrita Naiksatam organized a workshop on "R Programming" as Remote Center coordinator. This was coordinated by Ms. Deepa Jain.
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Faculty Achievement:
- Dr. Sudha Gupta reviewed "IEEE-Access-2019-35139" during August 2019.

Student Activity:

- EESA Council, organised two events in the Technical Fest of the college-Abhiyantriki. Circuit Frenzy, wherein the participants had to scratch their head doing connections for different circuits. And another was Drive with Force was Arduino coding competition based on gesture-controlled robotics.
- Circuit designing workshop was organized by EESA on August 28,2019.
- A lecture on Stress management was conducted by Mrs.Rajashri M Paralikhar, Yoga therapist, on October 3, 2019.
- A session on "Career Counselling with future perspectives" by Mr. Mukesh Jain (Representative of Capgemini) was conducted on Octoober 4,2019.
- Mr.Puneet Thakur (Assistant Manager-Marketing, AZENT Overseas Education) conducted a session on GRE and Overseas Education on October 9,2019.
- Mr. Gajendra Deshmukh (Assistant Manager with L&T hydrocarbon engineering) conducted a session on CAT/GATE/GMAT preparation on October 22,2019.
- A session on "Importance of ethics and moral values" was conducted by Mr. Jayesh Chande on October 23,2019.

Results:

S.Y B. Tech. 2018-19

- RANE YUKTA
- BILKHU HARMANJEET
- BOSE ANUBHAV

T.Y.B. Tech. 2018-19

- MULIK ASHAWAMI & JOSHI AMOGH
- GOLWALKAR RUCHA
- BOOTWALA HAMZA

L.Y. B. Tech 2018-19

- KULKARNI SOHAM
- DHULLA SANJANA
- KESARKAR LEENA & SAYYAD AYESHA

FY M. Tech.

- KRITHIKA PADMANABHAN
- GEHLOT SURAJ

Placement:

We congratulate our students who got placed in many prestigious companies like Accenture, Capgemini, L & T Infotech, Oracle, TCS, Cartesian Consulting.

Student Internships:

Many students have successfully completed their external Internship from reputed companies like Mukund Ltd, Sankalp Technical Services, Reliance Jio, Career Launcher The Machine Learning Internship, etc. Some student also completed Internal internship offered by Faculty of KJSCE

Students Achievements:

Many of our students participate in many co-curricular and extra-curricular activities and get awards.

"Education is learning what you didn't even know you didn't know.

Daniel J. Boorstin