ECS Newsletter

DEPARTMENT OF ELECTRONICS AND COMPUTER SCIENCE   2022-2023

The Department of Electronics and Computer Science started in academic year 2020-21, with total intake of 60 students. The course is introduced in line with the requirements of Industry 4.0.

Industry 4.0 technologies such as Artificial Intelligence, Genome Editing, Augmented Reality, Robotics, Internet Of Things, and 3-D printing are brought in major technological disruption and rapidly changing the way humans create, exchange, and distribute resources. The implementation of smart technologies at workplaces and close interaction between man and machine has led to a complete change in the way we work and has impacted all disciplines, industries, and economies. It has also created a job market for people with the necessary skill sets.

The syllabus for the course Electronics and Computer Science has been framed to include courses that build a conceptual understanding of the basics of Electronics aswell as Computer Science taking care of industry requirements as well as technological trends. Advanced courses have also been added to cover niche areas like Artificial intelligence and Machine Learning, Data Sciences, Mobile communication, VLSI, IoT, etc. A practical-oriented approach is being followed to make students proficient in the competitive industry environment as well as preparethem for higher education.

Editors:
Dr.Deepti Reddy
Prof.Kalyani Salvi
Prof.Neha Mahajan

Vision and Mission of ECS Department

VISION

To excel in the field of Electronics and computer science engineering for serving needs of thesociety.

MISSION

- ❖ To nurture the students to have technical skills for multidisciplinary in the field of Electronics and computer science.

- ❖ To inculcate ethical values and develop leadership qualities.

- ❖ To encourage research in cutting edge Technologies.

Program Educational Outcomes(PEOs)

- ✓ Build multidisciplinary domain knowledge.
- ✓ Develop the ability to innovate, design and evolve project implementing capabilities.
- ✓ Pursue higher studies and develop career in advanced technologies.

Program Specific Outcomes(PSOs)

- ❖ Students will be able to acquire knowledge in cutting- edge technologies.
- ❖ Students will be able to develop innovative multidisciplinary projects.

Department Activities

Department has organized various faculty development programs and student development program during July 2022 to June 2023. Faculty of the ECS department have conducted online lectures using google classroom and google meet and also used few simulation tools for conduction of practical sessions.

Academic/ Technical/ Sports achievements of students:

- ✓ Mr.Jailingam, from SE ECS completed four weeks of internship on "Web Development" at Teachnook.
- ✓ Ms. Shravani Veer, from TE ECS got runners up prize in inter zonal Volleyball Tournament held on 17 October 2022 organised by M.L. Dahanukar, Ville Parle.
- ✓ Ms. Ashwin Nair completed the internship on "Data Science" at Devtown.
- ✓ Shravani Sunil Veer-2nd prize in WAY OF ACE(Volleyball, S.I.E.S College of Arts, Science and Commerce
- ✓ Shravani Sunil Veer- winner of Carrom Doubles in TML 22-23
- ✓ Ms. Anamika Nevase. And Mr.Shivam Gupta From TE and SE were won Mumbai's biggest hackathon organized by Tech Entrepreneurs Association on 3 & 4 June 2023.
- ✓ Ms.Mrunal Kondekar,Ms.Shriya Kolamb kar and Ms.Sanya Sharma, From TE were Won Second Prize in Cognition organized by SIESGST.

MOU Signed by ECS Department:

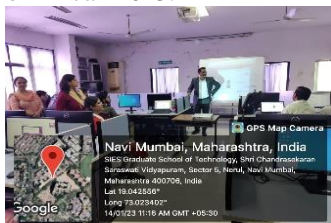- ❖ MoU signed with Acumen Tech-Sol Pvt Ltd. On 30th November 2022

Seminars /workshops organized by ECS Department:

- ✓ ECS department has organized an Expert talk on "State of Web Development" by Mr. Omkar Prabhu on 8 October 2022.

- ✓ ECS department has organized an Expert talk on "Cyber Security and its real world application" by Mr. Nikhil Salvi on 6 Jan 2023.
- ✓ ECS department has organized an Expert talk on "Ethical Hacking in Cyber security " by Mr. Azhad Shaikh on 14 Jan 2023.
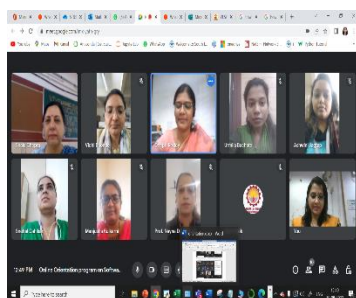

- ✓ ECS department has organized an Expert talk on "Use of Neural Network in Machine Learning" by Dr. Gurpreet Kaur on 2 March 2023.

Orientation Conducted by ECS Department:

- ❖ Orientation program conducted for Software Testing & Quality Assurance" by Kalyani Salvi on behalf of UoM under guidance of Dr.Deepti Reddy on 10thAugust, 2022.

Seminars /workshops/Faculty Development Program attended by ECS Department Faculty:

- ✓ Ms.Kalyani Salvi has Attended FDP on "Data Science & Big Data Analytics from 27 Aug. 22 to 24 Sep. 22 organized by PICT, Pune.
- ✓ Ms.Neha Mahajan has Attended FDP on "Data Science & Big Data Analytics from 27 Aug. 22 to 24 Sep. 22 organized by PICT, Pune.
- ✓ Ms.Rekha Gupta has Attended FDP on "Data Science & Big Data Analytics from 27 Aug. 22 to 24 Sep. 22 organized by PICT, Pune.
- ✓ Ms.Kalyani Salvi has Attended FDP on "AR/VR" from 19 June 23 to 24 June 23 organized by SIES GST Nerul.
- ✓ Ms.Neha Mahajan has Attended FDP on "AR/VR" from 19 June 23 to 24 June 23 organized by SIES GST Nerul.
- ✓ Ms.Rekha Gupta has Attended FDP on "AR/VR" from 19 June 23 to 24 June 23 organized by SIES GST Nerul.

SDP Conducted by ECS Department:

- ✓ ECS department has Conducted SDP on "Web Application in Cyber Security" by Ms. Kalyani Salvi and Ms. Neha Mahajan from 2 Jan. 2023 to 7 Jan. 2023

Note from the HOD's Desk

Electronics and Computer Science is the integration of electronics engineering and computer science to develop software and hardware systems. The syllabus is designed according to the requirements of Industry 4.0 which includes software engineering, embedded systems, VLSI, Robotics, Cloud Computing, Big data analytics, Machine Learning, etc. The scope is very wide in both hardware and software industry.