ECE NEWS

Major Activities

1. **ECSA Inauguration**

The ECSA was inauguration by **Dr Sreekanth M** , CEO **Kabani Tech** in association with **IETE**.
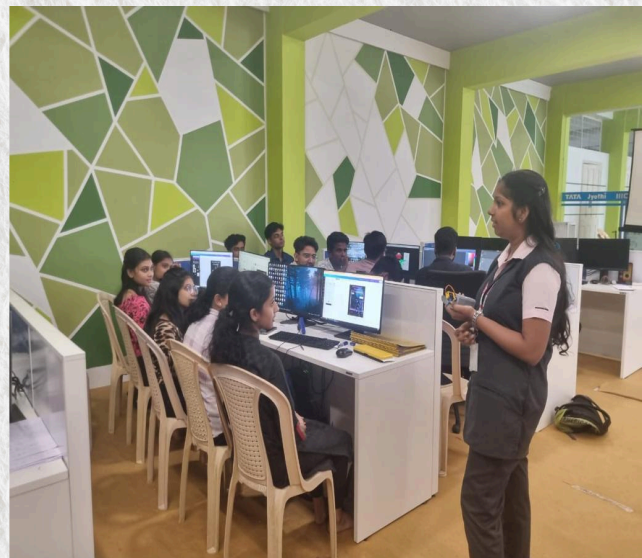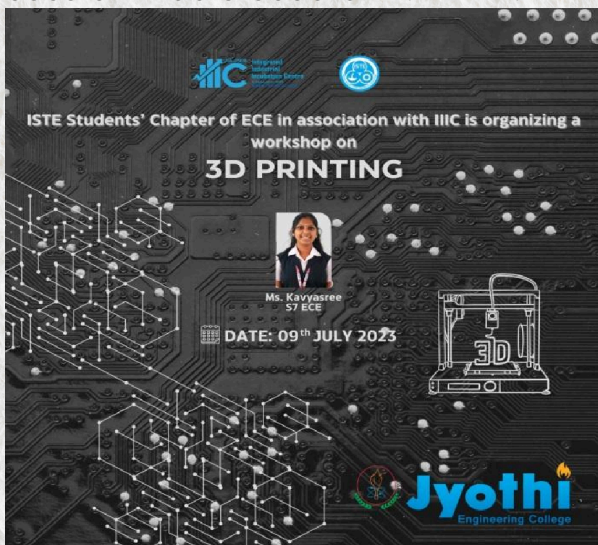
2. GATE 2023 Awareness Program

An awareness program for the Graduate Aptitude Test in Engineering exam, titled **"GATE 2023 Awareness Program"** was given to the fifth and seventh semester students by **ONES coaching centre, Thrissur** in association with **IETE**.
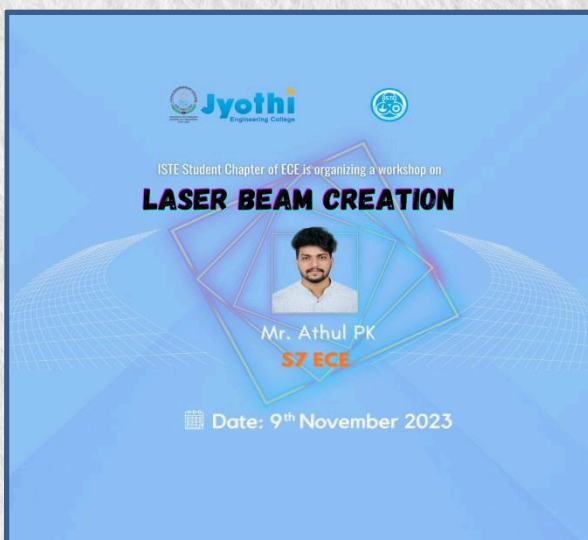
3. One day workshop on "3D PRINTING"

ISTE Student Chapter in association with IIIC, is conducted a one day workshop on **"3D PRINTING"** by **Ms. Kavyasree** Nair[th]on 9 July 2023. During the session, the resource person explains basics of 3D printing and the software used and the process of making with an example in detail. The topic was advanced and informative. More than 50 students from different branches attended the session. The session was closed at 4.00 PM.

4. One day workshop on "LASER BEAM CREATION"

ISTE Student Chapter, is conducted a one day workshop on **"LASER BEAM CREATION"** for the third year students. The resource person is from final year of ECE, Mr.Athul P K. The purpose of the workshop is to give an introduction to the laser beam development. This is done as a part of Tharang 2023.2.O. The final year students take initiative for their juniors. They developed a laser game for the Tharang 2023.2.O based on this workshop.

Faculty Achievements

Dr. Prajoon P

Published SCI Indexed Paper Titled *" Investigation of variable field plate length in GaN HEMT on SiC substrate for MMIC applications"* Microelectronics Journal, (**Elseiver**) https://doi.org/10.1016/j.mejo.2023.105866

Attended a webinar on *" Empowering Engineering Excellence through MATLAB And Simulink"*, organized by **CoreEL Technologies**

Ms. Roshni Rajan K

Completed the faculty Orientation Program for delivering the **Ignite Entrepreneurship** course conducted by **Wadhwani Entrepreneur Network**, Wadhwani Foundation from 18th July 2023 to 21st August 2023

Dr. Gaswin Kastro G

Completed the faculty Orientation Program for delivering the **Ignite Entrepreneurship** course conducted by **Wadhwani Entrepreneur Network**, Wadhwani Foundation from 18th July 2023 to 21st August 2023

Participated in 5 days FDP *"Design and FE Simulation of RFMEMS Devices"* by **Vellore Institute of Technology.**

Dr. Shiny M I & Ms .Saritha P

Undergone one day industrial visit to **"JANATICS"** Pneumatic products manufacturing company on 07-08-23.

Faculty Achievements

Ms. Saritha P

Presented a paper titled **"Analysis of Decoupler Controlled Three Input Multiport Boost Converter for Hybrid Electric Vehicle"** in **Hinweis Second International Conference on Power Control and Embedded System - PCES** on October 27- 28, 2023.

Dr. Sindhu S

Participated in 8 day National Level online FDP on **Research Methodology using ChatGPT and AI tools** organized by PG department of Computer Applications, **IQAC** and **Lincoln University College of Marian College, Kuttikanam** in association with the **Kerala StateHigher Education Council (KSHEC)** from 21st September 2023 to 29th September 2023.

Completed NPTEL course in Accreditation and Outcome based Learning with an Elite Tag

Dr. Shiny M I & Dr. Gaswin Kastro G

Organized one week workshop with the title "**Scratch:Building foundations of code creativity**" on 13-18th November 2023, in online mode from 6:00 pm to 7:30 pm. The program was organized by the I**EI ECE Chapter** in association with IIIC.

Organized a webinar with the title **"Shaping the Future: Hardware Design Roles in Emerging Industries"** on November 1st 2023, in online mode from 6:00 to 7:00 pm. The program was organized by the IEI ECE Chapter in association with IIIC. The session was handled by Mr. Binoy Johnson, a Hardware Developer in R&D Digital Grid at Siemens

Student Achievements

1. **Aiswarya P. K.** (S7 ECE) was awarded Certificate of Merit by the **Architects and Engineers Association, Thrissur**.

2. **Fathima Shilna M**, **Anliya Rose David**, **Aloka Anil**, **Vismaya**, **Krishnendu** from S3 ECE attended **national level symposium on emerging technologies for green energy** organized by **IEEE Kerala section, Kochi** on 8th and 9th September 2023.

3. **Annliya Rose David**, **Nihala Farvin**, **Joyal Jaimy**, **Sujil P U**, **Saahil K Lazar**, **Sreya** from S3 ECE attended the **NSS orientation program** conducted on 22nd September 2023.

4. **C. Sanjana Manoj**, **Anjali K**, and **Sreelakshmi K. G.** from S3 ECE attended a workshop on ***"Google Flutter App Development"*** at the **Indian Institute of Space Science and Technology, Thiruvananthapuram** on September 23rd during **Conscientia 2k23**.

5. Five Students from S5 ECE and Thirty Five Students from S7 ECE attended **Nasa Space Apps** challenge Competition.

6. **Mr. Sujil P U** and **Mr. Saahil K Lazar** has participated in the workshop on Electric Vehicle Technology conducted on 21st October 2023 by EEE department of JECC.

7. **Ms. Andriya** & **Ms. Athira** of S7 ECE demonstrated their project ***One Touch Irrigation Automation System*** in Keraleeyam 2023 on 7th November 2023.

8. Event: **Green Energy Expo** at **Calicut Trade Center**
Date:17,18&19th November 2023
First Prize : One Touch Irrigation Automation System
Team Members: **Noopura Mohan**-S7 ECE, **Josmal Mathew**-S7 ECE, **Aneena C Binu**-S7 ECE, **Athul P S**-S7 ECE
Second Prize : Self Stabilizing Parkinson's Spoon
Team Members: **KavyaSree A Nair**-S7 ECE, **Soumya M**-S7 ECE

9. The following students of S3 ECE have participated in the UI UX master class conducted by CESA in collaboration with IEDC JECC on 9th Nov 2023.
Sreelakshmi K G, Antony Johnson, Bhanupriya, Darsana C, C Sanjana Manoj

10. **Durga CK, Sivajyothik M, Aivin Simon, Anjali K, Afeefa Sherin T A, Sreelakshmi K G** of S3 ECE has attended a one day workshop on cyber security and ethical hacking organized by **Techmaghi** in association with **Tryst '24 IIT Delhi** on 25th November 2023.

GALLERY

Congratulations

RESHMA HENDRY
SGPA 9.24

AISWARYA P. K.
SGPA 9.22

GOPIKA U.
SGPA 9.07

Toppers S6 (2020-2024),
Electronics and Communication Engineering

www.jecc.ac.in

Congratulations

C. SANJANA MANOJ 9.86	ARUN SHANKAR T. K. 9.6	MERIN MARIA SUNNY 9.52	SOUMYA P. V. 9.14
ANJALI K. 9.05	DURGA C. K. 8.67	SREELAKSHMI K. G. 8.62	ANTONY JOHNSON 8.6
SIVAJYOTHIK M. 8.45	ADITHYA KALARIKAL SAJKUMAR 8.29	NIHALA FARVIN P. S. 8.14	MARIYAM ROSA BABU 8

Toppers S2 (2022-2026 Batch),
Electronics and Communication Engineering

www.jecc.ac.in

Congratulations

Aiswarya P. K. (S7 ECE)
was awarded Certificate of Merit
by the Architects and Engineers Association, Thrissur.

www.jecc.ac.in

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MOOC Courses

Sl No.	Semester	Name of Student	Course Details
1.	S3	C Sanjana Manoj	NPTEL course on Digital Circuits
2.	S3	Sreelakshmi KG	NPTEL course on Digital Circuits
3.	S3	Anjali K	NPTEL course on Digital Circuits
4.	S5	Pranav Prasad	NPTEL course on Introduction to IoT
5.	S5	Edwin Roshan N	NPTEL course on Introduction to IoT
6.	S5	Joe Kolathingal	NPTEL course on Introduction to IoT
7.	S5	Edwin Roshan N	NPTEL course on Data Science for Engineers
8.	S5	Remya P	NPTEL course on Digital Circuits
9.	S5	Krishnaja K	NPTEL course on Digital Circuits
10.	S5	Nandana S	NPTEL course on Digital Circuits
11.	S7	Gopika U	NPTEL course on Google Cloud Computing Foundation
12.	S7	Jincy Susan John	NPTEL course on Google Cloud Computing Foundation

OTHER ACTIVITIES

1. **Ms.Kavyasree A Nair** of S7 ECE was a resource person for the one day workshop on *"3D Printing"* on 09-08-23 on for the first year students as part of the orientation program. The program was organized by **ISTE ECE** and **IIIC**. Venue-IIIC

2. A one day Boot Camp for the **NASA SPACE APPS** challenge organized by the **IIIC** and **ISTE ECE student chapter** for the ECE students.

3. **ECSA** Inauguration by **Dr Sreekanth M** , CEO **Kabani Tech** in association with **IETE**

4. A webinar by **Mr. Binoy Johnson** (2007-11 ECE batch Jyothi Alumnus), Hardware Developer, R&D - Digital Grid at **Siemens** was conducted by **IEI (EC)** & **IIIC** on November 1st 2023. The topic was *" Shaping the Future - Hardware Design Roles in Emerging Industries".*

5. Organized a One day workshop in association with **IETE** *"RoboVerse: Grasping Concepts, Coding, and Creating Robots",* as part of **Tharang- 2023 2.0**

6. Organized a one week workshop with the titled *"Scratch: Building foundations of code creativity"* on 13-18th Nov 2023, in online mode from 6:00 pm to 7:30 pm. The program was organized by the **IEI ECE Chapter** in association with **IIIC**.

7. **Mr.Sachin Manoharan** of S7 ECE has successfully completed *Python for Data Science,AI & Development*, an online non credit course authorized by **IBM** and offered through **Coursera.**

8. **Ms.Reshma Hendry** of S7 ECE received memento on being the semester 6 topper

9. **Ms.Nihala Farvin** of S3 ECE was awarded a scholarship from **DonBosco Cooperators Trust** with Rs.20,000/- for her academic performance .