



Term: Summer | Issue: 11 | Date: April 4, 2022

Edited by: Dr. Amit Jain and Prof. Abhishek Javali

Message from Head of the Department



It was pleasure to be part of the team which strives to bring out the talents of the students and staff. Department of Electronics and Communication Engineering has always been striving to keep itself ahead of the competition. The essential purpose of a Department Newsletter/Magazine is to inform, engage, inspire and entertain a diverse readership – including Alumni, parents, students, faculty, staff and other friends of the department and college – by telling powerful stories that present a compelling, timely and honest portrait of the department to its extended family. This newsletter/magazine has made an earnest attempt in this direction and brought out activities of the department. I am sure the department will scale even greater heights in the years to serve the society.

Dr. Elumalai R

Editor's Note

It gives immense pleasure to introduce this Newsletter of Electronics and Communication Engineering, AMBROSIA – 2022 which means Nectar in Greek. We are grateful to our Principal and HOD for giving this opportunity to create newsletter. It has been a team work and learning experience to us. We are thankful to all staff who supported us during the making of this newsletter. At last we are thankful to who supported us directly and indirectly.

Article of Interest

1. 119 students of ECE got placed in campus drives held in the CMRIT campus..
2. Dr. Binish Fatimah serve as a reviewer in IETE Journal.
3. Dept of ECE successfully conducted an IEEE conference
4. Internal Smart India Hackathon 2022 was hosted by CMRIT in the campus
5. Dr. K Venkateswaran and Dr. Sridhar received a research grant of 3,00,000/- from VGST.
6. Dr. K Venkateswaran received a fund of 1,00,000/- from AICTE to conduct FDP

Faculty Awards and Achievements

1. Dr. Binish Fatimah published a paper in Q1 journal, Computers in Biology and Medicine
2. Dr. Amit Jain published a paper in Q2 journal, Journal of Computational Electronics, Springer
3. Dr. K Venkateswaran and Dr. Sridhar received a research grant of 3,00,000/- from VGST.
4. Dr. K Venkateswaran received a fund of 1,00,000/- from AICTE to conduct FDP
5. Dr. Binish Fatimah served as a reviewer for IETE journal and many international conferences.

Paper Publications

1. Dr. Amit Jain, "The design and performance of different nanoelectronic binary multipliers", Journal of Computational Electronics, Springer, November 2021
2. Dr. Binish Fatimah, "COVID-19 image classification using deep learning: Advances, challenges and opportunities", Computers in Biology and Medicine, March 2022.
3. Dr. Imtiyaz Ahmed, Dr. Abdul Wahid Nasir "Significance of Thermoelectric Cooler Approach of Atmospheric Water Generator for Solving Fresh Water Scarcity", Lecture notes in network and systems, Springer
4. Dr. Suganya S, "PAPR Reduction Using Advanced Partial Transmission Scheme for 5G Waveforms", Computer Systems Science and Engineering, Jan 2022.
5. Prof Krishna Teja, Prof Rahul Tiwari and Dr. K Venkateswaran "Power Allocation of Multiple subcarriers using Water Filling algorithm for RIS Aided Communication Systems", ICIRCA 2021, Sept 2021.
6. Prof. Abhishek Javali, prof. Aritri Debnath, Prof. Laxmi Sharma and Prof. Anindita Sahoo "IoT Assisted Power Electronics for Modern Power Systems", IoT Assisted Power Electronics for Modern Power Systems, Sept 2021.
7. Prof. Sachin Aralikatti, "Respiratory Sound Abnormality Classification using Multipath Deep Learning Method", ICIRCA 2021, Sept 2021.
8. Prof. Sachin Aralikatti, "IoT-Based Distribution Transformer Health Monitoring System using Node-MCU Blynk", ICIRCA 2021, Sept 2021.
9. Prof. Anindita Sahoo, "Acoustic communication System for Underwater Drone", ICOSEC 2021, Sept. 2021.
10. Dr. Aswini N, "Video Stabilization for Drone Surveillance System", Communications in Computer and Information Science, Oct. 2021.
11. Dr. Aswini N, "Drone Object Detection Using Deep Learning Algorithms", Communications in Computer and Information Science, Sept. 2021.
12. Prof. Alamuru Susmita, "Video event detection, classification and retrieval using ensemble feature selection", Cluster Computing, Dec 2021.

Guest Lecture

Sl no	Guest Lecture Topic	Expert	Completion Date
1	Future of Engineering	Mr.Akshay P HP Technologies, 6th B Main Rd, Prakash Nagar, Rajajinagar, Bengaluru, Karnataka 560021 Mob:8746904584	13 th Nov 2021
2	How Effective can be transition from Campus to Industry/ Corporate world	Dr. Simon K John Emeritus Scientist(G) Retired, RCMA, DRDO, Bengaluru Mob:9342574552	19 th Nov 2021
3	Design approach for Embedded System and IOT	Mr. Ram Prasad Embedded Design and IOT Trainer, Cranes Varsity, #82, Presidency Building, St Marks Road, Bengaluru 560001 Mob: 9845322997	8 th Dec 2021
4	Future of Engineering	Mr.Akshay P HP Technologies, 6th B Main Rd, Prakash Nagar, Rajajinagar, Bengaluru, Karnataka 560021 Mob:8746904584	11 th Dec 2021
5	Role of Machine Learning in Daily Life	Dr.Sandeep Kumar Technical Consultant (Free Lancer)	14 th Dec 2021



Workshops Attended

Sl. No.	Faculty Name	Date	Details	Event Duration (days)	FDP/ Workshop
1	Dr.Sridhar N	06/09/2021 - 10/09/2021	Academy Online Elementary FDP on " Hyper spectral remote sensing and its applications" , AICTE Training And Learning (ATAL) at CMR Institute of Technology, 06/09/2021 to 10/09/2021	5 day	AICTE Training And Learning (ATAL) FDP
2	Prof. Shilpi Ruchi Kerketta	15/11/2021- 20/11/2021	Faculty Development program on "Recent Trends on Microwave and Beyond Techniques" conducted from 15th-20 Nov, 2021, SRM_AP. FDP on, "An Overview of Teaching Techniques in Basic Electronics and Communication Engineering", from 13th to 17th December 2021, 5-day AICTE-VTU Joint Training program	5 Days	FDP
3	Prof. Shilpi Ruchi Kerketta	12/11/2021- 15/11/2021	FDP on, "Creative Thinking /Patent Drafting and Filing" Innovation and Entrepreneur Cell, 12th - 15 Nov 2021, CMRIT Bangalore	4 Days	FDP
4	Prof. Shilpi Ruchi Kerketta	13/12/2021- 17/12/2021	FDP on, "An Overview of Teaching Techniques in Basic Electronics and Communication Engineering", from 13th to 17th December 2021, 5-day AICTE-VTU Joint Training program	5 Days	FDP
5	Dr. Abhilasha Sharma	06/12/2021- 10/12/2021	FDP on "Blockchain and its Security Perspectives", Online (AICTE), 06-12-2021 to 10-12-2021, 5 days]	5 Days	FDP
6	Prof. Harsha B.K	06/09/2021- 10/09/2021	Hyper spectral remote sensing and its applications, ATAL 06th Sep - 10th Sep 2021	5 days	AICTE Training And Learning (ATAL) FDP
7	Prof. Sutapa Sarkar	06/09/2021- 10/09/2021	ATAL Online Elementary FDP on "Hyper spectral remote sensing and its applications" , 06-09-2021 to 10-09-2021	5 days	AICTE Training And Learning (ATAL) FDP
8	Prof. Preethi.A	06/09/2021- 10/09/2021	ATAL Online Elementary FDP on "Hyper spectral remote sensing and its applications" , 06-09-2021 to 10-09-2021	5 days	AICTE Training And Learning (ATAL) FDP
9	Prof. Krishna Teja	06/09/2021- 10/09/2021	ATAL Online Elementary FDP on "Hyper spectral remote sensing and its applications" , 06-09-2021 to 10-09-2021	5 days	AICTE Training And Learning (ATAL) FDP
10	Prof. Monika Singh	22/03/2022- 24/03/2022	NPTEL AICTE Approved FDP on "AI:Constraint Satisfaction"(24th Jan,22-22nd March,22)	3 days	NPTEL AICTE Approved FDP
11	Prof. Sachin Aralikatti	06/09/2021- 10/09/2021	ATAL Online Elementary FDP on "Hyper spectral remote sensing	5 days	AICTE Training And Learning (ATAL) FDP

			and its applications" , 06-09-2021 to 10-09-2021		
	Prof. Richa Tengshe	13/09/2021-28/09/2021	IIT Kanpur Advanced Training school on PYTHON + R + MATLAB Based Simulation and design of 4G/ 5G MIMO-OFDM Wireless Systems (13th to 28th September 2021) Organized by Prof. Aditya K. Jagannatham, EE Department, IIT Kanpur	18 Days	FDP
	Prof. Ravish Hegde	11/10/2021-28/10/2021	Python/Matlab and Nysim for Machine Learning in 5G mmWave MIMO Technology (Oct 11 to 28, 2021)	20 Days	FDP

Workshops Conducted By Faculty

Sl. No	Name of the Organizer/ Main Coordinator	Title of the program	Category (FDP/STTP/LTTP/ Workshop/ Webinar)	Duration (days)	Technical Field of the workshop	Details of the other Coordinator if any
1.	Dr. Amit Jain	Special Function Op-amp Design	1 week STTP	5Days (27/12/2021-31/12/2021)	analog circuit design	Prof. Jyothi M Roogi and Prof. Sachin Aralikatti
2.	Dr. Binish Fatimah	signal processing and machine learning	1 week STTP	5Days (20/12/2021-26/12/2021)	Signal processing and ML	Richa Tengshe and Anindita Sahoo
3.	Dr. K. Venkateswaran	Hyperspectral Remote sensing and its applications	FDP	5Days (06/09/2021-10/09/2021)	Remote Sensing	Prof. Harsha, Prof. Krishanateja, Prof. Sridhar, Prof. Ashutosh, Prof. Rahul Tiwari
4.	Dr Eisha Akanksha	1 Week LTTP ONLINE Hands On FDP/Industrial Training on ANN & ML	LTTP	5Days (15/11/2021-16/11/2021)	Machine learning and Artificial Intelligence	Prof. Aritri Debnath

Faculty Tech Talk

Sl No	Name	Date of Presentation	Topic
1	Mr. Abishek Javali	16/9/2021	Recent Trends in Device to Device/ Chip to Chip (D2D/C2C) Communication
2	Mrs. Sutapa Sarkar	23/9/2021	Generalized Energy Based Spectrum Sensing: Active Threshold Correction under Noise
3	Ms. Susmita Alamaru	22/10/2021	Event Detection and classification using ensemble feature selection in user generated videos
4	Mrs. Pappa M	21/10/2021	NOMA techniques in Emerging Wireless Systems
5	Dr. R.Elumalai	11/11/2021	Security for IIOT

6	Dr. Sharmila K P	11/11/2021	Time Sensitive Networks
7	Dr. Amit Jain	18/11/2021	Compact Modelling of MOSFET
8	Dr. Binish Fathima	25/11/2021	low-rank matrix completion
9	Dr. Eisha Akanksha	25/11/2021	Cloud Based IOT Architecture
10	Dr. Venkateswaran	30/12/2021	Integrated Services Digital Network
11	Dr. Naveen Kumar G N	9/12/2021	Mitigation of Power quality problems using Digital Controllers
12	Dr. Chetan H	15/12/2021	Identifying ADHD in kids using MRI IP
13	Dr. Ananth Kumar M S	12/1/2022	Wearable Antennas

EE & C Report

INTERNAL HACKATHON FOR SMART INDIA HACKATHON 2022 REPORT

Date of Event:

21st MARCH 2022

Chief Coordinator: Dr. Sharmila K P

Faculty coordinators: Prof. Reshma P Eldho

Panel of Judges:



Sl. No	Name	Department
1	Dr. Sagar M	Mechanical Dept.
2	Dr. Bijayani Panda	Mechanical Dept.
3	Dr. Tukaram Shet	PHY
4	Dr.K.Venkateswaran	ECE
Sl. No	Name	Department
1	Dr. M. Lakshmanan	EEE
2	Dr. Binish Fathima	ECE
3	Mr. Harish	ISE
4	.Dr. P.Kavitha	CSE

Jury Members - For the Software teams- Panel 3		
Sl. No	Name	Department
1	Dr..Devaraj Somasundaram	ECE
2	Dr.Jagadeswari	CSE
3	Dr.Manoj Chella	CSE
4	Dr. P Velraj	EEE

CMR Institute of Technology organized an internal hackathon for SMART INDIA HACKATHON on the 21st of March 2022 within its campus. This hackathon was conducted with the intention of bringing out the creativity and the ability of students to bring about innovative solutions for various problem statements stated by Smart India Hackathon for both hardware and software domains. Students from various departments registered for the event with great zeal and enthusiasm and came up with innovative solutions for the various problem statements specified by SIH by looking into the problem and the requirements from different perspectives. This event was considered as the short listing round for the next phase of the hackathon. The software domain of the hackathon was evaluated by a panel of 8 judges while the hardware domain was evaluated by a panel of 4 judges. The projects were evaluated on the basis of innovativeness, novelty, clarity, feasibility, practicability, sustainability, scale of impact, user experience and scope for future progress. There were a total of 48 teams who registered of which 34 were of software and 14 were of hardware. 15 teams from software and hardware domain were shortlisted for the next round. The review process was seen to be quite extensive. Each review stage was assessed and graded by the esteemed panel of judges who are experts in their respective fields and they were left impressed by the innovative work of the diverse participants. The esteemed panel also shared their knowledge and experiences which turned out to be enlightening and enriching for all the young participants. Some of the projects that were presented in front of the panel were: Smart dress for coal mine workers, Automatic tyre replacement of Four-wheeler Vehicles, Traffic surveillance with accident detection, Develop a smart attendance capturing Mobile App. All projects were innovative and presented a creative approach to many of our modern day problems.

The event turned out to be a major success and ended on a good note.



Event Name: Webinar on Understanding Japanese Language
Club Name: Foreign Languages CLUB.
Date: 9th December, 2021.
Platform: Zoom Meeting
Time: 5pm to 6pm
Faculty Coordinator: Dr.Sharmila K P.

Description-

The session was conducted by SNRC (Sakura Nihongo Resource Centre) on 9th December 2021 on zoom meeting (online) from 5pm onwards and the session concluded by 6pm.

The session consisted of 25 participants along with two associates from the SNRC addressing the crowd. The session started with a small introduction of Ms Ashwini who was the key spokesperson for the webinar followed by introduction to their company SNRC and what they do. They gave an insight on how SNRC works to help institutes and individuals in learning Japanese online based on certain timings. All the information was shared via presentation mode.

They laid emphasis on why students need to learn Japanese and how it is useful to have an additional foreign language as part of your resume giving you higher chances of being selected by multinational companies. They also mentioned about Japan and its work background and most importantly why the students need to focus on job opportunities available in the east side than the west side.

They stated that the east side especially Japan has a lot of job openings for youngsters in various fields as the Japanese population mainly falls in the older range of people and Japan requires youngsters whereas the western countries has way more competition than the east with fewer job openings available. The session was concluded with why students should take up Japanese language and consider working in Japan as it only has more benefits. They also showed some videos about their students and how content they were with the classes conducted by them.

Finally, we had a small Q and A and the session was concluded with thanks and gratitude.





Event Name:

Shark Tank: An Innovative Business Monopoly Game

Objective:

To help students gain knowledge and focus on start-ups and innovation along with confidence in presenting their ideas to the world.

Summary:

Shark Tank was a business monopoly game giving the students an amazing opportunity to pitch out their startup ideas to the world where they would be judged and given feedback by industry experts which would in turn help them further in their start-ups to be successful. The rules and instructions of events were as follows:

Each team had a time limit of 5mins (3 mins to pitch their ideas + 2mins for cross questioning by the judges). Every participant had to keep their camera's on while presenting their ideas and could use any mode of presentation (powerpoint or vocal).

Main points to be included while presenting were funding amount required and why, percentage of profit or ownership of their company they are ready to share with the sharks (judges). It was up to the participants if they wanted to register as a team of two or solo but if team of two then each participant was requested to speak during their turn or presenting their ideas to the sharks.

Benefits:

To find out flaws and take desired measures to overcome them, if any new add-ons are required for your start-up to become the best, to know the availability and uniqueness of your idea, how to present your ideas in the ethical formal way, how funding works and what are the required necessities while searching for funds for your start-up.



Event date: - 13 January 2022

Time: 2:00-3:00 PM

Target group: - 3rd, 4th year B.E students

No of Students Registered: - 98

Google meet link used for the webinar: <https://meet.google.com/zzm-whse-seb>

Speaker 1: Prof. Rahul Tiwari, ECE Department

Speaker 2: Mr. Dinesh Kumar M

Chief Coordinator: Dr. Sharmila K.P

DESCRIPTION

EE & C cell organized a webinar on “GATE: A doorway for success in Engineering career” on 13th January 2022. The objective of this webinar was to address the students about the importance of the GATE examination in one’s career.

This awareness session was targeted at students who were interested in pursuing their masters in engineering in India or wanted to secure a job in PSU. The session was addressed by Prof Rahul Tiwari of the ECE Department and Mr. Dinesh Kumar M from IITians GATE Classes. Later the student’s doubts were answered by the guest speakers.

GIST

The webinar began with an inaugural address by Harshit Prajapati and by Dr. Sharmila KP addressing the objectives of the Higher studies club and the importance of this webinar. The guest speaker was welcomed by the student. Prof Rahul Tiwari took over the session by explaining to the students about the GATE examination and the eligibility criteria for applying to this examination and the validity of the GATE Score Card.

He also talked about the mode of conduct of the examination. By appearing for the GATE examination, candidates become eligible for applying in MTech in IITs, NITs, or Top Universities. Through the GATE examination candidates can also apply for PSUs/Govt jobs. There are more than 50+ PSUs, he added. There is also the scope of a career in management through the GATE examination.

Later he talked about how to clear the GATE examination in the first attempt. Certain points to focus upon are -

- i.) Identify the weak and strong subject
- ii.) quality of study material
- iii.) solving previous year QP
- iv.) attempting mock tests
- v.) continuous revision of topics
- vi.) figuring out the common mistakes

After this Mr. Dinesh Kumar M from IITian GATE Classes took over the session and started by discussing the opportunities available for candidates after GATE. He talked about the various MNCs that come to recruit candidates from IITs after MTech.

Mr. Dinesh went on to discuss the two main opportunities through GATE which are PSUs or Govt Jobs and Higher Studies (PG or Ph.D.) in India or abroad. He told about various colleges for MTech and Doctorate in India i.e IIT, NIT, IISc, IIST, DIAT. Some universities that intake from GATE are NUS and NTS from Singapore and TUG and RWTH Aachen from Germany.

An important point kept forward by Mr. Dinesh was about the stipend received by the Govt of India to candidates pursuing masters in India so they don't need to rely on parents for financial needs. This stipend is around ₹ 12,400 for master and around ₹ 35,000 for the Ph.D. program.

He discussed the GATE exam pattern which is conducted in online mode with a duration of 3 hours and various sections of the question paper. He later guided students with the preparation strategy for the GATE examination.

Placement Records

SL. No.	Placement Drive Date	Company Name	USN	Student	Salary(LPA)
1	4th Sept 2021	Deloitte	1CR18EC082	KARAN BHAGAT	7.6
2	4th Sept 2021	Deloitte	1CR18EC116	MEHUL KUMAR	7.6
3	4th Sept 2021	Deloitte	1CR18EC123	MOSES MONIE A	7.6
4	4th Sept 2021	Deloitte	1CR18EC181	SANKET KUMAR SATPATHY	7.6
5	4th Sept 2021	Deloitte	1CR18EC200	SOUMIL BISWAS	7.6
6	4th Sept 2021	Deloitte	1CR18EC202	SRI SAGAR KP	7.6
7	14th Sep 2021	Surewaves MediaTech	1CR18EC031	ASHWINI S	8
8	14th Sep 2021	Surewaves MediaTech	1CR18EC159	R V PRANAV SAI	8
9	21th Sept 2021	Eurofins	1CR18EC079	K N OMKAR NAG	9.5
10	21th Sept 2021	Eurofins	1CR18EC153	PRATTIPATI LEELA KRISHNA	9.5

11	21th Sept 2021	Eurofins	1CR18EC084	KISHORE N A	9.5
12	21th Sept 2021	Ellucian	1CR18EC160	RAHUL CHAUHAN	7
13	21th Sept 2021	Ellucian	1CR18EC235	VISMAYA V NAIR	7
14	25th Sept 2021	Epsilon	1CR18EC016	AMITH C R	5
15	25th Sept 2021	Epsilon	1CR18EC098	M GOMATHY	5
16	25th Sept 2021	Epsilon	1CR18EC190	SHAILI KUMARI	5
17	25th Sept 2021	Epsilon	1CR18EC193	SHIVAM KASHYAP	5
18	25th Sept 2021	Epsilon	1CR18EC219	TUSHAR P	5
19	25th Sept 2021	Capgemini	1CR18EC002	ABHAY TRIVEDI	4.25
20	25th Sept 2021	Capgemini	1CR18EC020	ANUP GUPTA	4.25
21	25th Sept 2021	Capgemini	1CR18EC024	ARFAH AADIL	4.25
22	25th Sept 2021	Capgemini	1CR18EC039	BHAVYA PRAKASH	4.25
23	25th Sept 2021	Capgemini	1CR18EC056	DIVYA S	4.25
24	25th Sept 2021	Capgemini	1CR18EC073	INAKOLLU RAHUL KUMAR REDDY	4.25
25	25th Sept 2021	Capgemini	1CR18EC091	L SAI ROJA	4.25
26	25th Sept 2021	Capgemini	1CR18EC096	LIKITH G	4.25
27	25th Sept 2021	Capgemini	1CR18EC100	M SAI DEEPAK	4.25
28	25th Sept 2021	Capgemini	1CR18EC118	MOHAMMED JAWAD SALEEM	4.25
29	25th Sept 2021	Capgemini	1CR18EC142	PAMULA DIVYA	4.25

SL. No.	Placement Drive Date	Company Name	USN	Student	Salary(LPA)
1	Oct 2021	ACCENTURE	1CR18EC073	Inakollu Rahul Kumar Reddy	6.5

2	Oct 2021	ACCENTURE	1CR18EC083	Kavya K K	6.5
3	Oct 2021	ACCENTURE	1CR18EC175	Sahana S R	6.5
4	Oct 2021	ACCENTURE	1CR18EC177	Saicharitha Mogili Prasad	6.5
5	Oct 2021	ACCENTURE	1CR18EC239	Yerukalapudi Bharadwaj	4.5
6	Oct 2021	ACCENTURE	1CR18EC121	Monica Patel K R	4.5
7	Oct 2021	ACCENTURE	1CR18EC028	Arthi Raj Kumar	4.5
8	Oct 2021	ACCENTURE	1CR18EC155	Preethi Reddy H	4.5
9	Oct 2021	ACCENTURE	1CR18EC198	Snigdha Chowdhury	4.5
10	Oct 2021	ACCENTURE	1CR18EC003	Abhinav Saxena	4.5
11	Oct 2021	ACCENTURE	1CR18EC059	Ealayaraja Shekar	4.5
12	Oct 2021	ACCENTURE	1CR18EC118	Mohammed Jawad Saleem	4.5
13	Oct 2021	ACCENTURE	1CR18EC033	Ayush Kumar	4.5
14	Oct 2021	ACCENTURE	1CR18EC041	Cathrin Benny	4.5
15	Oct 2021	ACCENTURE	1CR18EC058	Durgesh Nandan	4.5
16	Oct 2021	ACCENTURE	1CR18EC011	Akash Chandrashekar N	4.5
17	Oct 2021	ACCENTURE	1CR18EC233	Vipul Raj	4.5
18	Oct 2021	EY	1CR18EC025	ARIHANT JAIN	4.37
19	Oct 2021	EY	1CR18EC036	BASAVARAJU J P	4.37
20	Oct 2021	EY	1CR18EC179	SANJANA C	4.37
21	Oct 2021	EY	1CR18EC189	SHAIK AARON	4.37
22	Oct 2021	EY	1CR18EC196	SIDDHARTH A PUJARI	4.37
23	Oct 2021	EY	1CR18EC199	SOUJANYA	4.37
24	Oct 2021	EY	1CR18EC201	SOUPTIKA HAZRA	4.37
25	Oct 2021	EY	1CR18EC218	TUMMALA HARSHINI CHOWDARY	4.37
26	Oct 2021	EY	1CR18EC227	VIBHA SASTRY	4.37
27	Oct 2021	Amadeus	1CR18EC075	JATIN C	9.32
28	Oct 2021	Koch	1CR18EC041	CATHRIN BENNY	7.5
29	Oct 2021	Koch	1CR18EC091	L SAI ROJA	7.5
30	Oct 2021	Koch	1CR18EC199	SOUJANYA	7.5
31	Oct 2021	Koch	1CR18EC231	VINESH M	7.5
32	Oct 2021	Cognizant_GenC	1CR18EC172	S SHAMINI	6.75
33	Oct 2021	Cognizant_GenC Elevate	1CR18EC014	AMAN MISHRA	4.25
34	Oct 2021	Cognizant_GenC Elevate	1CR18EC084	KISHORE N A	4.25
35	Oct 2021	Cognizant_GenC	1CR18EC196	SIDDHARTH A PUJARI	4.25

		Elevate			
36	Oct 2021	Cognizant_GenC	1CR18EC004	ABHISHEK KUMAR	4
37	Oct 2021	Cognizant_GenC	1CR18EC035	BAGHYASRI B	4
38	Oct 2021	Cognizant_GenC	1CR18EC047	CHINMAYA Y HEGDE	4
39	Oct 2021	Cognizant_GenC	1CR18EC055	DINESH M	4
40	Oct 2021	Cognizant_GenC	1CR18EC066	GUNNAM LIKITHA REDDY	4
41	Oct 2021	Cognizant_GenC	1CR18EC070	HARSHBARDHAN PANDEY	4
42	Oct 2021	NUTANIX	1CR18EC031	ASHWINI S	19.32
43	Oct 2021	NUTANIX	1CR18EC065	GOVIND SAI KRISHNAN A	19.32
44	Oct 2021	RT CAMP	1CR18EC010	AKASH AMAN	12
45	Oct 2021	L&T INFOTECH	1CR18EC060	G B MANOJ KUMAR	5
46	Oct 2021	Visionet Systems	1CR18EC026	ARJUN VARMA	3.8
47	Oct 2021	Visionet Systems	1CR18EC040	BIRENDAR KUMAR SINGH	3.8
48	Oct 2021	Visionet Systems	1CR18EC069	HARISH NR	3.8
49	Oct 2021	Visionet Systems	1CR18EC074	J SANTHOSH	3.8
50	Oct 2021	Visionet Systems	1CR18EC087	KRISHNA REDDY K	3.8
51	Oct 2021	Visionet Systems	1CR18EC099	M K SAITEJA	3.8
52	Oct 2021	Visionet Systems	1CR18EC110	MANIKANTA HM	3.8
53	Oct 2021	Visionet Systems	1CR18EC060	G B MANOJ KUMAR	3.8
54	Oct 2021	MUSIGMA	1CR18EC108	MANASA REDDY M	3.5
55	Oct 2021	MUSIGMA	1CR18EC225	VARSHITHA U R	3.5

SL. No.	Placement Drive Date	Company Name	USN	Student	Salary(LPA)
1	Nov 2021	ACCENTURE	1CR18EC228	VIDYA SHANKAR V	4.5
2	Nov 2021	Comviva	1CR18EC006	ADARSH PRABHAKAR	3.75
3	Nov 2021	Comviva	1CR18EC221	UTKARSH KUMAR	3.75
4	Nov 2021	Comviva	1CR18EC225	VARSHITHA U R	3.75
5	Nov 2021	Wipro	1CR18EC017	ANAND N V	3.5
6	Nov 2021	Wipro	1CR18EC034	BR SHREYAS	3.5
7	Nov 2021	Wipro	1CR18EC072	I LAKSHMI LAVANYA	3.5
8	Nov 2021	Wipro	1CR18EC081	KALASAPATI VENKATA SAI PRADYUMNA	3.5
9	Nov 2021	Wipro	1CR18EC093	LAKSHMIKANTHA S	3.5
10	Nov 2021	Wipro	1CR18EC117	MITHUN KUMAR P	3.5
11	Nov 2021	Wipro	1CR18EC145	PAVAN KUMAR K	3.5

12	Nov 2021	Wipro	1CR18EC167	ROHIT BISTAKI	3.5
13	Nov 2021	Wipro	1CR18EC187	SAURABH SUMAN	3.5
14	Nov 2021	Wipro	1CR18EC203	SRI SAI PRANEETHA RAVIPATI	3.5
15	Nov 2021	Wipro	1CR19EC414	ROHAN S A	3.5
16	Nov 2021	Wipro	1CR18EC026	ARJUN VARMA	3.5
17	Nov 2021	Wipro	1CR18EC066	GUNNAM LIKITHA REDDY	3.5
18	Nov 2021	Wipro	1CR18EC169	SRIRAMULA GURU SRINIVASULA REDDY	3.5
19	Nov 2021	Clarivate	1CR18EC046	CHETHAN V K	6.48
20	Nov 2021	Clarivate	1CR18EC120	MOHAN S	6.48
21	Nov 2021	Clarivate	1CR18EC176	SAI ROHAN REDDY S P	6.48
22	Nov 2021	Clarivate	1CR18EC036	BASAVARAJU J P	6.48
23	Nov 2021	Clarivate	1CR18EC221	UTKARSH KUMAR	6.48
24	Nov 2021	Sprinklr	1CR17EC036	ASHUTOSH MISHRA	5
25	Nov 2021	Sprinklr	1CR18EC183	SATADEEPA BANERJEE	5
26	Nov 2021	IBM	1CR18EC203	SRI SAI PRANEETHA RAVIPATI	4.5
27	Nov 2021	HCL	1CR18EC205	SRIKANTH G	3.65
28	Nov 2021	TCS Ninja	1CR18EC134	NISARGA MAHESH GHOTANKAR	3.96
29	Nov 2021	TCS Ninja	1CR18EC164	RANJITHA R	3.96
30	Nov 2021	Wipro	1CR18EC060	G B MANOJ KUMAR	3.5

SL. No.	Placement Drive Date	Company Name	USN	Student	Salary(LPA)
1	Dec 2021	Wipro	1CR18EC074	J SANTHOSH	3.5
2	Dec 2021	Wipro	1CR18EC076	JAY VATSH	3.5
3	Dec 2021	Wipro	1CR18EC150	PRASHANT KUMAR	3.5
4	Dec 2021	Wipro	1CR18EC215	TEJAS S L	3.5
5	Dec 2021	Wipro	1CR18EC207	SUBRAMANYA A R	3.5
6	Dec 2021	wipro	1CR18EC145	PAVANKUMAR K	3.5
7	15/12/2021	ALTIMETRIK	1CR18EC051	D SUDEEP REDDY	7
8	15/12/2021	ALTIMETRIK	1CR18EC141	PADMASHREE S	7
9	9/10/2021	PWC	1CR18EC110	MANIKANTA HM	6
10	22/12/2021	LOGITUIT	1CR18EC052	DEEPAK B	3.5
11	22/12/2021	LOGITUIT	1CR18EC071	HEMANTH H M	3.5
12	27/12/2021	HEXAWARE	1CR18EC015	AMBAR SHUKLA	3.5
13	27/12/2021	HEXAWARE	1CR18EC005	ABISHEK T	3.5
14	21/12/2021	MPHASIS	1CR17EC116	NAVEEN N K	3.25
15	21/12/2021	MPHASIS	1CR18EC163	RAKESH KUMAR M	3.25

16	21/12/2021	MPHASIS	1CR19EC415	ROHITH N	3.25
17	24/01/2022	TEMENOS	1CR18EC130	NELATURI MADHAN MOHAN REDDY	6.3
18	Jan 2022	SOCIETY GENERALE	1CR18EC130	NELATURI MADHAN MOHAN REDDY	5.3
19	Jan 2022	SOCIETY GENERALE	1CR18EC007	ADHESH MAYUR	5.3
20	28/01/2022	L&T TECHNOLOGY SERVICES	1CR18EC111	MANJUNATHA G N	4
21	03/01/2022	REVATURE	1CR18EC018	ANIMESH PRADHAN	4
22	28/01/2022	TECH MAHINDRA	1CR18EC119	MOHAMMED MATEENULLA KHAN	3.25

Student's Professional Society/Club

ETA Club:

1. Techno Journal

OBJECTIVE: To improve the skills on journal writing for students which will help them to publish technical papers in good conferences.

Count: 16

Benefits: It was helpful for final year students especially in writing technical paper out of their project work carried out.

2. Quizonics

OBJECTIVE: Quiz to enhance the technical skills related to analog electronics in the students.

Count: 19

Benefits: Students were able to analyze complex problems and solve with short time.



3. OP-AMP QUIZ

OBJECTIVE: The technical quiz on applications of operational amplifiers for arithmetic operations

Count: 14

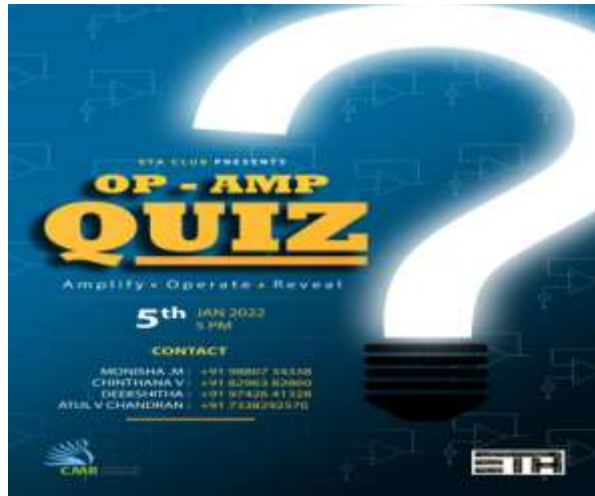
Benefits: Students were benefitted with the concepts op-amps.

4. Tech Hub

OBJECTIVE: TO introduce electronic design automation for modelling mixed-signal systems such as field-programmable gate arrays and integrated circuits.

Count: 21

Benefits: It was helpful for higher semester students who are on going to do internship in VLSI company.



5. Workshop

OBJECTIVE: To help first years students in understanding the operation of arduino and guide them to do mini projects on arduino.

Count: 22

Benefits: Students came up with mini projects and demonstrated during college events



TAQ Club

1. TECKZITE

OBJECTIVE: "teckzite" a technical and electronics based competition where the students would compete individually. the competition consisted of one round viz. in this round participants were given basic electronics questions to be solved in 45 minutes time.

Count: 40

Benefits: Tricky questions made the student to think divergently

2. TECHNOFILIA21

OBJECTIVE: to solve puzzles based on the electronics instruments used in labs.

Count: 16

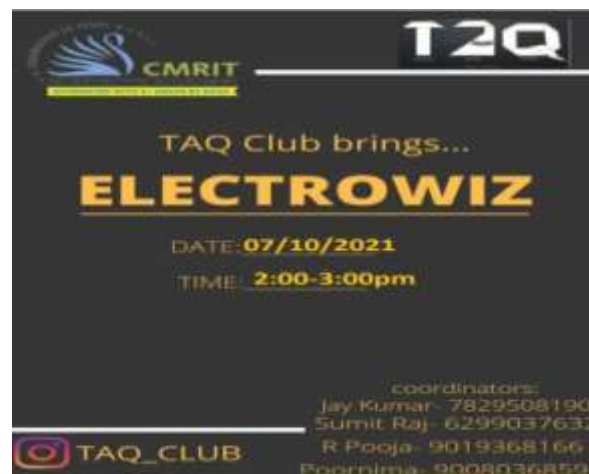
Benefits: Made students learn new skills apart from textual knowledge

3. ELECTROWIZ

OBJECTIVE: To explore the importance of various electronics devices.

Count: 18

Benefits: Made students learn new skills and how to use electronics components for real time projects was given apart from textual knowledge.



Connaissance Club:

1. Know Your Phone

OBJECTIVE: To create awareness about excess usage of electronics gadgets in day to day life

Count: 14

Benefits: Students discussed the pro and cons of modern lifestyle.

2. LOGIC CHARADES

OBJECTIVE: Testing MATLAB coding skills on spot for a given problem statement

Count: 8

Benefits: It was useful for students to upgrade their programming skills



3. ELECTRO BUZZ

OBJECTIVE: To enhance knowledge of power electronics and instrumentation by giving crossword topic.

Count: 13

Benefits: It really enhanced skill of the students related to power electronics and instrumentation



MOOC Details

Students as well as faculty will be becoming part of massive open online courses which are conducted by Swayam (NPTEL), Coursera and Udemy. Some of the sample certificates achieved by the faculty and students are outlined as below:



SI.No.	Faculty Name	Title of MOOC	Department	Evaluation Agency	Name of evaluator
1.	Dr. Sharmila.K.P	Multi-Core Computer Architecture – Storage and Interconnects	CSE	SWAYAM/NPTEL	Prof. John Jose
2.	Dr. Amit Jain	Static Timing Analysis and Clock Tree synthesis	ECE	Udemy	Kunal Ghosh
3.	Dr. Binish Fatimah	Deep Learning: GANs and Variational Autoencoders	ECE	Udemy	Jose Portilla
4.	Dr. Eisha Akanksha	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	ECE	SWAYAM/NPTEL	Prof. Aditya K. Jagannatham
5.	Dr.Venkateswaran K	Innovation, Business Models and Entrepreneurship	ECE	SWAYAM/NPTEL	Prof. M Padmavati/Prof. Shreya Matilal
6.	Dr.Imtiyaz Ahmed B K	Multi-Core Computer Architecture – Storage and Interconnects	CSE	SWAYAM/NPTEL	Prof. John Jose
7.	Mrs.Pappa.M	Multi-Core Computer Architecture – Storage and Interconnects	CSE	SWAYAM/NPTEL	Prof. John Jose
8.	Dr.Sridhar N	Innovation, Business Models and Entrepreneurship	ECE	SWAYAM/NPTEL	Prof. Rajat Agrawal, IIT Roorkee
9.	Dr. Suganya.S	Patent Search for Engineers and Lawyers	ECE	SWAYAM/NPTEL	Prof. M Padmavati/Prof. Shreya Matilal
10.	Mrs.Sridevi.S	Innovation, Business Models and Entrepreneurship	ECE	NPTEL	Prof. Rajat Agrawal, IIT Roorkee
11.	Dr.Chetan.H	Data analytic specialization	ECE	Coding invaders	Srikanth Gopalkrishna, Lead Data scientist
12.	Mr.Sunilkumar.K.H	CMOS Digital VLSI Design	ECE	SWAYAM/NPTEL	Prof. Sudeb Dasgupta, IIT Roorkee
13.	Dr.Naveenkumar.G.N	Sensors and Sensor Circuit Design, Introduction to python	ECE	COURSERA,Udemy	James Zweighaft Instructor Electrical, Computer, & Energy Engineering

		programming			University of Colorado Boulder, Avinash jain instructor UDEMY
14.	Mrs.Aritri Debnath	Computer Hardware, Operating System and Networking	ECE	Udemy	Ilanchezhian K - Technical Associate in INFRASTRUCTURE MANAGEMENT SERVICE
15.	Mr.Harsha B.K	Using Python to Interact with the Operating System	ECE	Coursera	Google
16.	Mrs.Sutapa Sarkar	Mastering Microcontroller and Embedded Driver Development	ECE	Udemy	Udemy
17.	Mrs.Jyoti.M.Roogi	SoC verification using System Verilog/Learn SystemVerilog Assertions and Coverage Coding in-depth	ECE	UDEMY	Ramdas Mozhikunnath M
18.	Ms.Suganya J	Introduction to circuit theory-electrical engineering	ECE	Udemy	Rahsoft Electrical and Bio-Electrical Courses
19.	Mrs.Preethi.A	Patent Search for Engineers and Lawyers	ECE	SWAYAM/NPTCL	Prof. M Padmavati/Prof. Shreya Matilal
20.	Mr.Krishna Teja	Algebra Trigonometry - Polynomial and Rational Functions	ECE	Udemy	Joe Rush
21.	Ms.Monika Singh	Millimeter Wave Technology	ECE	SWAYAM/NPTCL	Mrinal Kanti Mandal, IIT Kharagpur
22.	Mr.Sachin Aralikatti	Axiomatic Probability-Mathematics	ECE	Udemy	Chan Rush Yan
23.	Mr.Manjunath V Gudur	Digital Systems: From Logic Gates to Processors	ECE	COURSERA	Elena Valderrama
24.	Mrs.Richa Tengshe	Introduction to Research and Principles Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	ECE	SWAYAM/NPTCL	By Prof. Prathap Haridoss and Prof. Aditya K. Jagannatham
25.	Mrs.Anindita Sahoo	A-Z Hands-on Tableau For Data Science	CSE	UDEMY	Kirill Eremenko
26.	Mr.Abhishek Javali	Introduction to Research	ECE	SWAYAM/NPTCL	Prof.Prathap Haridoss
27.	Mr.Ashutosh Srivastava	Electromagnetic Theory	ECE	SWAYAM/NPTCL	Dr. Pradeep Kumar K

28.	Mrs.Aswini N	Computer Vision master Class	ECE	UDEMY	Jones Granatyr
29.	Sushma B	Essential Mathematics for Machine Learning	Mathematics	Swayam-NPTEL	SK Gupta and Sanjeev Kumar
30.	Chित्रalekha G	Cloud Computing	CSE	SWAYAM/NPTEL	Prof. Soumya Kanti Ghosh
31.	Dr.Ananth Kumar M.S.	Accreditation and Outcome based Learning	ALL Depts.	NPTEL-Swayam	Prof. S.K. Das Mandal & Prof. Anup Kumar Ray
32.	Sophiya Susan	Cloud Computing		NPTEL-Swayam	By Prof. Soumya Kanti Ghosh IIT Kharagpur
33.	Susmitha Alamuru	Introduction to Machine Learning	CSE	SWAYAM/NPTEL	Kiran Nayak
34.	Laxmi Sharma	Introduction to cyber security	ECE	Swyam NPTEL	Dr. Jeetendra Pandey
35.	Arun S	5G Masterclass: Architecture, NR RAN, Core and Call Flows	ECE	Udemy	Prof. Sathishkumar Jagadeesan
36.	Raveesh Hegde	Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications	TCE	SWAYAM/NPTEL	Prof. Aditya K. Jagannatham
37.	Dr. Meenakshi Patil	NBA Accreditation and Teaching and learning in Engineering (NATE)	EE	SWAYAM/NPTEL	Prof N J Rao
38.	Dr. Abhilasha Sharma	Microcontroller embedded c programming	ECE	Udemy	Prof. Soumya K. Ghosh
39.	Dr. Somasundaram	Embedded Systems Engineering & MATLAB Programming	ECE	Udemy	Uplatz Technologies
40.	Prof. Shilpi	The complete Basic Electricity and Electronics course	ECE	Udemy	Prof. Fabrizio Guerrieri
41.	Dr. Kangkana Baishya	Introduction to the Internet of Things and Embedded Systems	ECE	Coursera	Prof. Ian Harris