



# RAMCO INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRONICS & COMMUNICATION

ENGINEERING

NEWSLETTER

ELECTROWITS

VOLUME 9, ISSUE 1 JULY 2022 - JUNE 2023

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The Department of Electronics and Communication Engineering (ECE) is established in the year 2013 with a vision to Develop futuristic technologist in Electronics and Communication Engineering to meet the global challenges and the societal needs of our nation. At present RIT offers a 4-year B.E. ECE programme with a sanctioned intake of 120 students. The laboratories are furnished with cutting-edge technology across various fields including Electronic Devices and Circuits, Digital Electronics, Microprocessors & Microcontrollers, Linear Integrated Circuits, Microprocessors & Microcontrollers, Very Large Scale Integration Circuits, Digital Signal Processing, Communication System, Computer Networks, Optical & Microwave, Embedded Systems. Additionally, there are specialized research facilities like the NI-LabVIEW Research Laboratory and Tessolve Semiconductor Laboratory.

The department also fosters professional associations/ societies such as RIT Electronica, IE(I), IETE, ISTE providing a platform for enhancing both technical and soft skills. Various events such as workshops, conferences, and industrial visits are organized, contributing to the overall growth of students. Their achievements span both academic and extracurricular domains, and the department proudly presents the "Electro-Wits" newsletter for the academic year 2022-2023.

## **Vision**

Develop futuristic technologist in Electronics and Communication Engineering to meet the global challenges and the societal needs of our nation.

## **Mission**

- Educate students to become enlightened engineers with the latest know-how to take on the challenges concerned with the society.
- Equip the students with the current trends and latest technologies in the field of Electronics and Communication Engineering to make them technically strong and ethically sound.
- Constantly motivate the students and faculty members to achieve excellence in Electronics and Communication Engineering and Research & Development activities.

## **Program Educational Objectives (PEOs)**

- Graduates will gain knowledge through continuous learning to enhance core competency and career prospects.
- Graduates will be technically competent to design, analyze, develop and implement Electronics and Communication Systems.
- Graduates will apply the basic fundamental concepts in Electronics and related fields to solve general engineering Problems related to societal needs.
- Graduates will be professionals with attributes, passion, positive attitude, ethics and moral values for a successful career.
- Graduates will Communicate effectively and interact responsibly with colleagues, employees, team members, clients and the society.

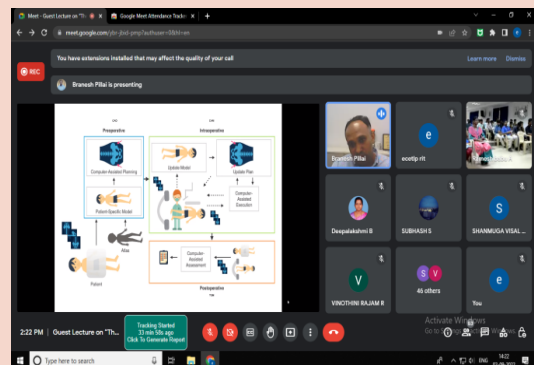
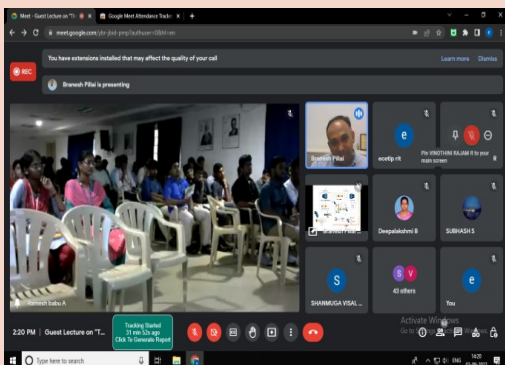
## **Program Specific Outcomes (PSOs)**

After successful completion of the degree, the students will be able to

- Adapt to emerging trends in Information and Communication Technology by innovating new ideas to solve existing/novel problems.
- Excel in latest technologies of Embedded Systems.
- Design, analyze and develop electronic products in the area of VLSI Design and Communication Systems.
- Contribute as Entrepreneurs in building electronic products

## Events Organized

- To fulfill the requirements of the Anna University Regulations (R-2017 & R-2021), an Academic Audit was scheduled for the Odd/Even semester courses of the Academic Year 2021-2022 on 12 Aug., 2022 for the Department of Electronics and Communication Engineering. Dr.D.Selvathi, Professor & Head, Department of Bio-Medical Engineering, Mepco Schlenk Engineering College, Sivakasi has been invited as the academic audit expert. She audited the course files and gave suggestions for improvement and positive comments. The department academic coordinator Mrs.G.Gnana Priya, AP(SG) coordinated the audit under the guidance of Dr.B.Deepa Lakshmi, HOD/Incharge and consolidated the positive points and suggestions for improvement based on the comments received from the academic audit expert.
- Dept. of ECE in association with IE(I) Students' chapter jointly organized a Guest Lecture titled "The Future of Biomedical Engineering and Robotics Technology" on 02 Sep., .2022 through Online Mode (Google Meet) for II & IV year ECE students. 190 students from II year & IV Year ECE were actively participated in this guest lecture. Resource Person Dr.M.Branesh, Foreign Expert/Principal Researcher, Centre for Biomedical and Robotics Technology, Mahidol University, Salaya, Thailand delivered a wonderful session about the Future of Biomedical Engineering and Robotics Technology. Students interact and gain more information's about recent applications of Biomedical Engineering and Robotics. Mr.A.Rameshbabu, AP/ECE and Mrs.G.Subhashini, AP/ECE coordinated this programme. Student coordinators M.Shrinithimeena and G.Manjula IV Year ECE B were gave welcome address and vote of thanks. Finally R.Diwya Dharshini and A.S.Amudhadevi IV Year ECE A were collected student's feedbacks.



## Events Organized

- Dept. of ECE in association with IETE students' chapter jointly organized a Guest Lecture titled "Out of the Box Thinking" on 03 Sep., 2022 for II & IV year ECE students. 190 students from II year & IV Year ECE were actively participated in this guest lecture. Resource Person Mr. S. Jeevanantharaja, Project/Test Management Specialist, Honeywell, Madurai delivered a wonderful session about Out of the Box Thinking. Students interact and gain more information's about innovative and creative thinking. Dr.A.Lakshmi, ASCP/ECE and Mr.D.Gopinath, AP/ECE coordinated this programme. Association Chairman Mr.R.Mahendraprakash, IV Year ECE B gave welcome address and Association Secretary Mr.S.Lingesh, IV Year ECE A gave vote of thanks. Finally Ms.C.Padmapriya, and Ms.S.Abinaya IV Year ECE were collected student's feedbacks.



## Events Organized

- Department of ECE in association with IETE Student Chapter organized Project Expo on behalf of Engineer's day Celebration on 27 Sep., 2022 at Communication systems lab and Electronic Circuits I & II Simulation lab. Totally 34 batch of students from second and third year ECE participated in the project expo. The event was organized by Mrs.V.SrirenaNachiyar, AP(SG)/ECE and Ms.L.Krishnakumari, AP/ECE, Ramco Institute of Technology, Rajapalayam. The students actively participated in this event. Mr.D.Karthik Prabhu, AP(SG)/EEE & Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE acted as juries for the Project Expo and selected four best projects.



## Events Organized

- Department of ECE in association with IE(I) Students Chapter organized a Webinar on “High Performance Processor” on 19 Oct, 2022 through Google Meet. Mr.Prasanth Pulla, System Architect, ARM acted as a resource person for this webinar. The Webinar was organized by Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE, Mr.P.Gunasekaran, AP/ECE and Mr.A.Rameshbabu, AP/ECE, Ramco Institute of Technology, Rajapalayam. The students actively participated in the webinar and clarified their doubts.

**RAMCO INSTITUTE OF TECHNOLOGY**  
Rajapalayam – 626 117, Virudhunagar District, Tamil Nadu  
(Approved by AICTE and Affiliated to Anna University, Accredited by NAAC, an ISO 9001:2015 Certified)

**Department of Electronics and Communication Engineering**  
In association with IE(I) - Students Chapter  
Organizing a Webinar on

### “High Performance Processor”

**Resource Person**  
**Mr. Prashanth Pulla**

**Date:** 19.10.2022 (Wednesday)  
**Time:** 02.30 pm to 3.30 pm

**Online Platform:** Google Meet  
[meet.google.com/vot-ksit-cmp](https://meet.google.com/vot-ksit-cmp)

**Chief Patron:** Dr.J.Ganesan, Principal  
**Patron:** Dr.S.Rajakarunakaran, Vice-Principal  
**Convener:** Dr.B.Deeplakshmi, Head/ECE

**Faculty Coordinators:**  
1. Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE  
2. Mr.P.Gunasekaran, AP/ECE  
3. Mr.A.Rameshbabu, AP/ECE

Recording | Prashanth PN is presenting

**Cortex-M6 block diagram**

- Processor core
  - Operates from registers, the 32-bit data path, and uses a stack to hold
  - Registers include sixteen 32-bit registers for both general and special usage.
- Processor operates in single-operand mode.
  - The operand register holds the source and destination.
  - Operates in either the single-operand mode, or in the double-operand mode.
  - Operates in either the single-operand mode, or in the double-operand mode.
  - 32-bit data path can be scaled to use 16-bit or 8-bit data paths.

Participants: Prashanth PN, RAJA LAKSHMI L, AKSHITA RAJASRI B, You

Recording | Prashanth PN is presenting

**A-Profile Architecture**

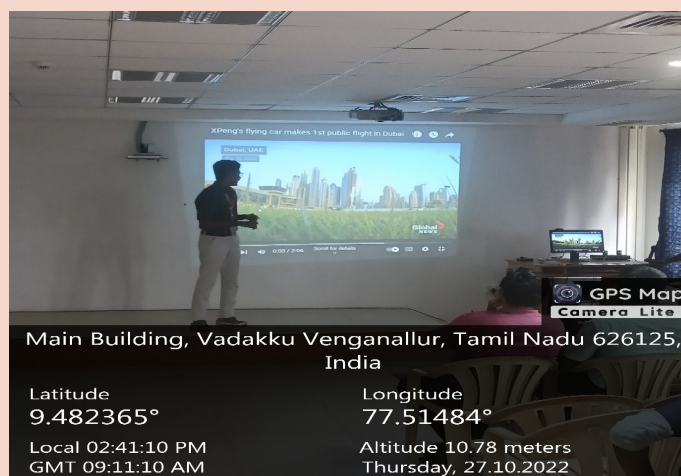
Diagram illustrating the A-Profile Architecture components across Armv8.0-A to Armv8.6-A:

- Armv8.0-A: Crypto, FP, AArch64, SIMD
- Armv8.1-A: AArch32, VHE, Atomics
- Armv8.2-A: SVE, RAS, Stat Profiling, HP FP
- Armv8.3-A: Pointer Auth, RCpc, Nested Virt.
- Armv8.4-A: Crypto ++, Secure EL2, Mem Model
- Armv8.5-A: RNG, BTI, Memory Tagging
- Armv8.6-A: Enhanced Virt. and system management, Enhanced PAC, Matrix Multiplication, BFloat16

Participants: Prashanth PN, RAJA LAKSHMI L, AKSHITA RAJASRI B, You

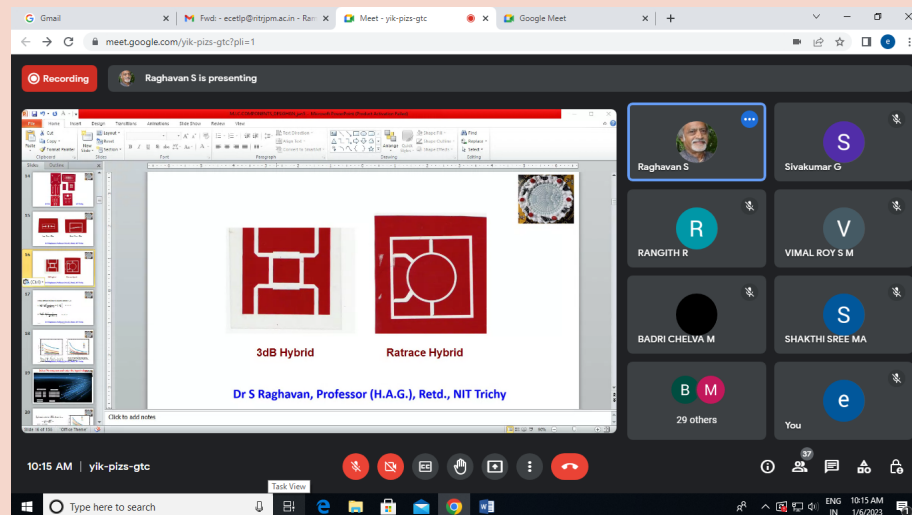
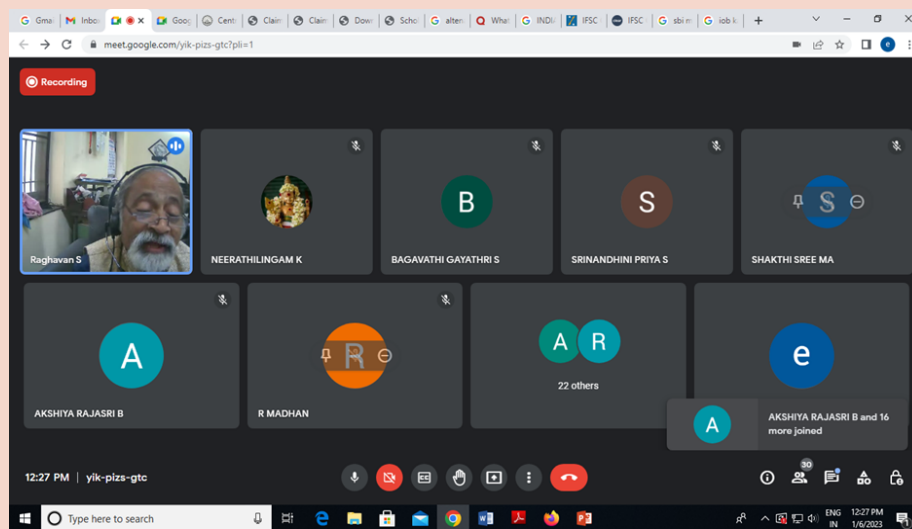
## Events Organized

- Dept. of ECE in association with IE(I) Students' Chapter jointly organized "Technical Film Show" on 27 Oct, 2022 at ECE Seminar Hall for II & III ECE students. The event was organized by Ms.S.Aarthi III ECE A, Ms.Y.Rathiprabha III ECE B, Ms.T.Dhivyadharshini, II ECE A and Ms.B.Rithika, II ECE B. Dr.B.Deepa Lakshmi, ASP/ECE, Convener and Mr.L.K.Balaji Vignesh, AP/ECE coordinated this event. Totally 27 students from II & III year ECE eagerly participated in this event. The videos related to the booming technologies like Artificial Intelligence, 6G and Pace Maker were presented by students. Student's presentation was evaluated by their Innovation, originality, Technical Merit, Applicability. Dr.S.Vairaprakash, ASP/ECE, acted as Jury for this event and gave his valuable feedback and suggestions. Three best videos were selected from the presentations.



## Events Organized

- Dept. of ECE in association with IE(I) Student's Chapter organized a value added course on "Microwave Integrated Circuit Components Design Essential" for III year students from 04.01.2023 to 06.01.2023. The course was handled by Prof. Dr. S. Raghavan, Professor (H.A.G.), Retd., (NIT Trichy), Adjunct Professor, Department of ECE. A total of 100 students attended the course and got benefited.



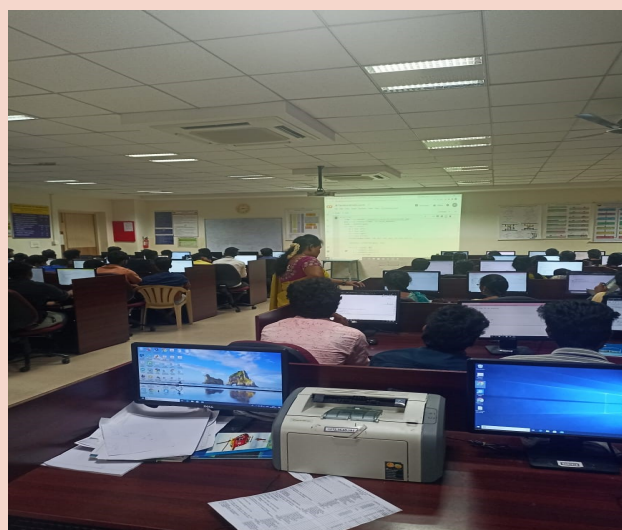
## Events Organized

- Dept. of ECE in association with the IETE student forum organized a “Idea Presentation (Vaijnyanika)” on 09.03.2023 (Thursday) for I, II & III year ECE students. Dr.S.Vairaprakash, Associate Professor/ECE acted as a Jury for this event. Students presented their ideas and it was evaluated by their Innovation, feasibility of product conversion, presentation, originality and response to queries. Dr.B.Deepa Lakshmi, Associate Professor & Head Incharge/ECE convener, Dr.K.Ragavan AP(SG)/ECE coordinated the event. The event was conducted by the Student coordinators Mr.Sakthi.C.R, Mr.A.Dilipkumar, III ECE, Ms.R.Inika, II ECE.



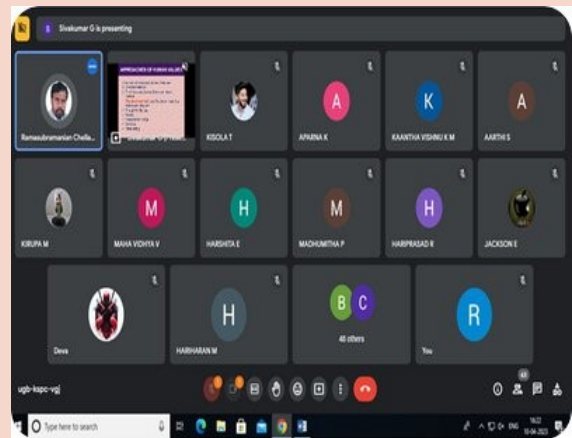
## Events Organized

- Dept. of ECE in association with IETE student chapter jointly organized an event “Circuit Debugging” on 01.04.2023 (Saturday) for II & III year ECE students. More than 30 students from II year & III Year ECE actively participated in the event. Participants were given wrong circuits and insisted on correcting and debugging them, which resulted in the correct and expected output. Mr.P.Venkatesh, AP/ECE coordinated this programme. Mr.S.Vijayan & Ms.K.Akshaya from III year ECE, Ms.A.Adheeba Banu & Mr.S.Shree Harish from II year ECE acted as student coordinators.
- The Department of ECE and RIT- Electronica organized a One-Day Workshop on “Machine Learning and Deep Learning for Modern Applications” for III ECE Students on 10.04.2023. Mrs.G.Priyanka, Assistant Professor(SG), Mepco Schlenk Engineering College delivered the session on topic “Machine Learning and Deep Learning for Modern Applications, uses and its importance.



## Events Organized

- Dept. of ECE in association with RIT-IETE Students Chapter Organized a Webinar on “Human Values” on 10.04.2023 for II & III ECE Students. Mr.K.S.P.Janardhan Babu, Director, M.S.Chellamuthu Trust & Research Foundation, Madurai addressed the students about human values. The program was coordinated by Mr.G.Sivakumar, AP/ECE, under the guidelines of convenor Dr.C.Arunachala Perumal, Professor & Head/ECE.



- Dept. of ECE in association with RIT Electronica organized a guest lecture on “Project Based Learning- Learn Through Innovations” for III ECE Students on 21.04.2023. Dr. V. Lingasamy, Manager, R&D, Rakuten Mobile Inc. Bangalore delivered the lecture on project ideas, implementation and finance management.



## Events Organized

- Dept. of ECE in association with the IETE student chapter organized an event “Poster Competition” on 27.04.2023 for II & III year ECE students. Students presented their poster ideas related to the themes of Digital India/Smart city and it was evaluated by their quality & originality, significance of topic, presentation and overall impression.



- Dept. of ECE in association with RIT Electronica organized a Workshop on “Circuit Simulation using TinkerCAD” on 24.04.2023 for the non-teaching staff members. Mr.B.Kannan, AP(SG)/ECE handled the session.

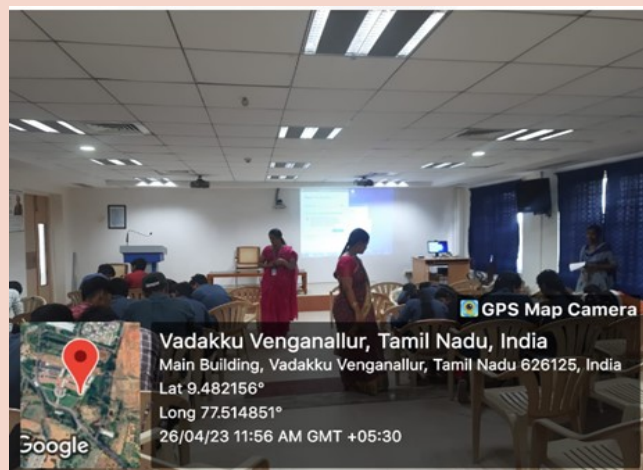


## Events Organized

- Dept. of ECE in association with the IETE Students' Chapter organized an event "Poster competition" on 27.04.2023 (Thursday) for the II & III ECE students. Students presented their poster ideas related to the themes of Digital India/ Smart city and it was evaluated by their quality & originality, significance of topic, presentation and overall impression. Dr.C.Arunachalaperumal, Professor & Head/ECE was the convener, Mrs. G. Gnana Priya, AP(SG)/ECE and Mrs. S. Jeeva, AP/ECE coordinated the event. The event was conducted by the student coordinators Mr.B.Jayasuriya, Ms.S.Srinandhini Priya, III ECE, Mr. K. Kalyanasundaram, Ms.S.Suvalakshmi, II ECE.

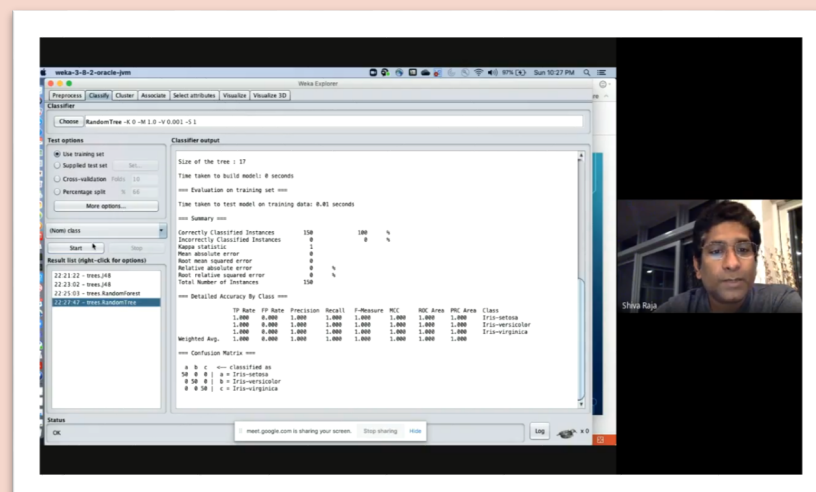
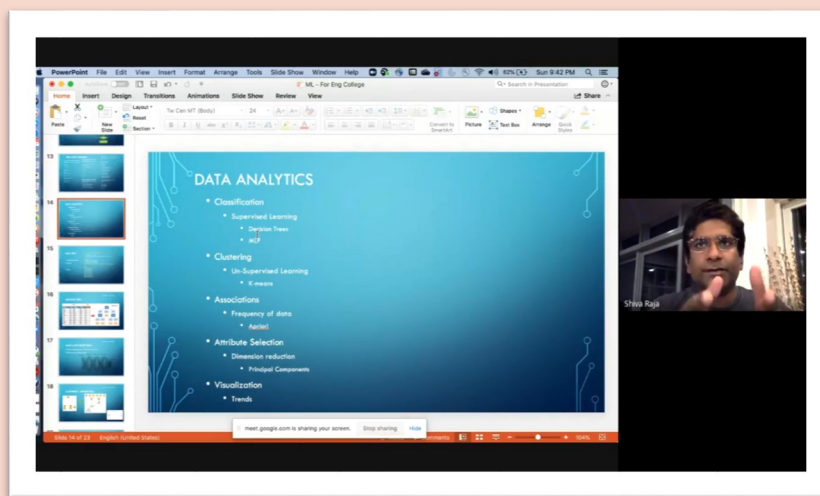


- Dept. of ECE in association with IE(I) Students' Chapter jointly organized an event "Technical Crossword Puzzle" on 26.04.2023 for II, III & IV ECE students. 37 students were actively participated in this guest lecture. Dr.C.Arunachala Perumal Professor & Head/ECE convener, Mrs.V.SrirengaNachiyar AP(SG)/ECE & Mrs.S.Jeeva, AP/ECE coordinated the event. Student coordinators Ms.V.Maha Vidhya, III ECE A, Ms.D.Sriranjani, III ECE B & Ms.R.Iceya, II ECE A coordinated the event. E-certificates provided to all the participants.



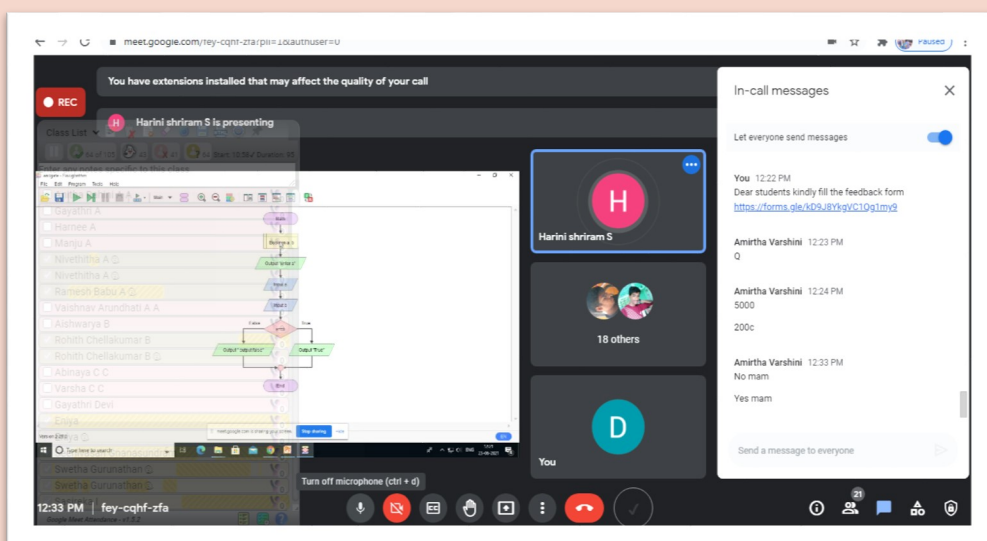
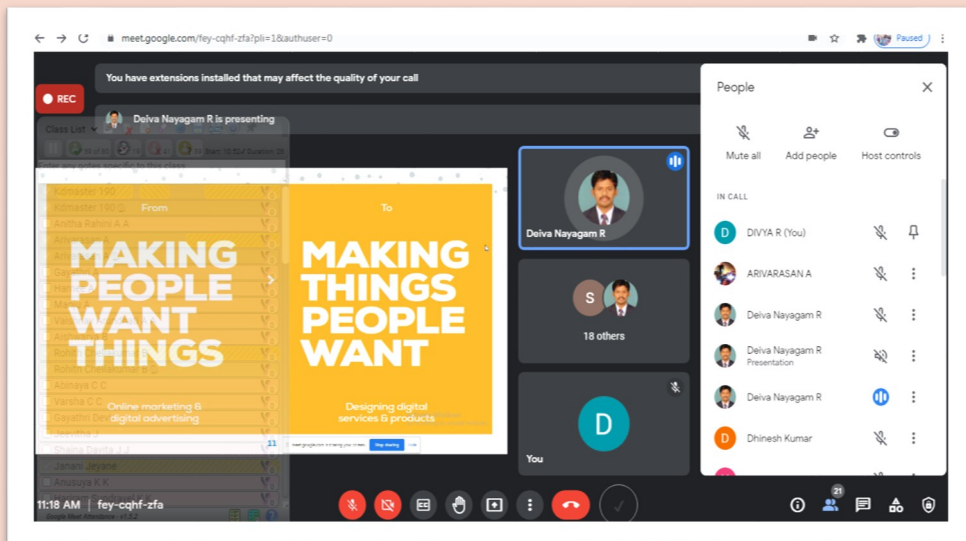
## Events Organized

- The Dept. of ECE organized a webinar on “Hands-On Training on Weka Tool” on 13 June, 2021 for II/III year ECE & EEE Students. The Resource Person Mr.Shiva Raja, Cadence, USA explained the concepts of Machine Learning and gave an exposure to handle the Weka Tool – Machine Learning Algorithm for Data Mining Tasks. The session was coordinated by Mr.R.Deiva Nayagam, AP/ECE under the guidelines of Dr.S.Kannan, HOD/EEE and Dr.S.Periyanayagi, HOD/ECE.



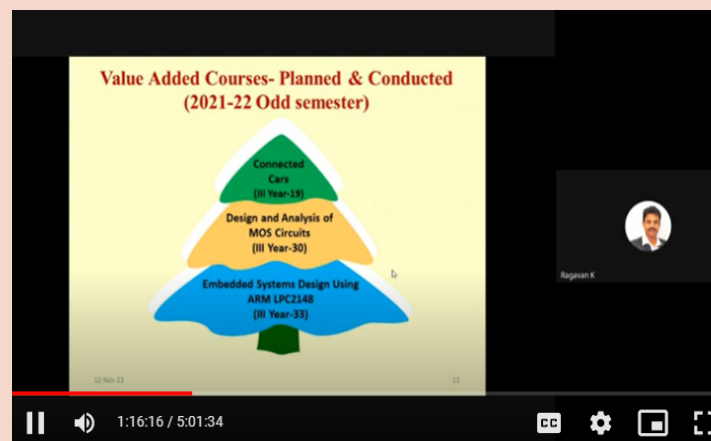
## Events Organized

- The Department of ECE in association with IETE Students' Chapter and IIC organized a three day school extension activities on **“Art of Problem Solving and Design Thinking using Flowgorithm”** during 21-23 June, 2021. Participants from X, XI and XII school students from various schools were actively participated in this program. The Resource persons Mr.R.Deiva Nayagam, AP/ECE, Ms.S.A.Radhika, AP/ECE and Ms.V.Harini Shriram, AP/ECE explained on the relevance of Design Thinking in tackling difficult challenges, as well as hands-on training on the Flowgorithm tool. The sessions were coordinated by Mrs.R.Divya, AP/ECE, Mr.R.Deiva Nayagam, AP/ECE, Ms.S.A.Radhika, AP/ECE and Ms.V.Harini Shriram, AP/ECE under the guidance of Dr.S.Periyanayagi, HOD/ECE.



## DAC MEETING

- Fifth DAC meeting organized by Department of ECE on 12 Nov., 2022. The DAC members were Dr.C.Vasanthanayaki, Professor & Head (PG)/ECE, Government College of Technology, Coimbatore, Mr.Prajesh kalathil, Vice president, Bharathi Airtel, Chennai, and Mr.Moorthi Kanagaraj, (Industrial Expert)/Director-Business Development, Enthu Technology Solutions India Pvt. Ltd., Dr.S.Raghavan, NITT, Professor, (HAG), Retd., RIT- ECE Department Advisory Member, RIT Alumni Experts attended the meeting to give valuable suggestions regarding NBA for programme assessment and quality improvement and providing guidelines for the progress of the department.



## FACULTY CONTRIBUTION

- Mr.L.K.Balaji Vignesh AP/ECE acted as Resource Person of Faculty Training Program on “Emerging Research Trends in Computer Science (Deep Learning Techniques)” organized by Amity School of Engineering and Technology, Madhya Pradesh on 28 July, 2022.
- Mr.R.Deiva Nayagam, AP/ECE delivered a session on “About the ECE Department and Present status of RIT ECE Alumni” for the I ECE MQ admitted students on 03 Aug., 2022 through Google Meet.
- Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE delivered a session on “Placement and Training Activities on RIT” and arranged Alumni Interaction with I ECE MQ admitted students on 04 Aug., 2022 through Google Meet.
- Mr.B.Kannan, AP(SG)/ECE delivered a Technical Session on “Circuit Simulation using Tinkercad” for the I ECE MQ admitted students on 05 Aug., 2022 through Google Meet.
- Mrs.R.Ramalakshmi, AP/ECE delivered a session on “Basics of Communication with fun Quizzes” for the I ECE MQ admitted students on 08 Aug., 2022 through Google Meet.
- Mrs.V.SrirengaNachiyar, AP(SG)/ECE delivered a session on “Basics of Electronics with Technical Quiz activity” for the I ECE MQ admitted students on 10 Aug., 2022 through Google Meet.
- Dr.A.Lakshmi, ASP/ECE delivered a session on “Electronic Circuit Construction & Simulation using PHET simulator” for the I ECE MQ admitted students on 11 Aug., 2022 through Google Meet.
- Mr.G.Sivakumar, AP/ECE delivered a session on “Basics of Internet of Things” for the I ECE MQ admitted students on 12 Aug., 2022 through Google Meet.
- Dr.S.Vairaprakash, ASP/ECE delivered a session on “Hands on Training on Virtual Lab- Basics ” for the I ECE MQ admitted students on 16 Aug., 2022 through Google Meet.

## FACULTY CONTRIBUTION

- Mr.L.K.Balaji Vignesh, AP/ECE delivered a session on “Hands on Training on MATLAB-Basics ” for the I ECE MQ admitted students on 17 Aug., 2022 through Google Meet.
- Dr.K.Ragavan, AP(SG)/ECE delivered a session on “Communication & Networking: Basics” for the I ECE MQ admitted students on 18 Aug., 2022 through Google Meet
- Mr.B.Kannan AP(SG)/ECE delivered a guest lecture on “Raspberry Pi” organized by RIT -Automation and Robotics Club on 07 October 2022.
- Mr.L.K.Balaji Vignesh AP/ECE acted as Resource Person for a Webinar on “Design of Microwave Amplifiers using Smith Chart” organized by Francis Xavier Engineering College (Autonomous), Tirunelveli on 16 Nov., 2022.
- Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE acted as a Session chair in the International Conference on Smart Engineering for Renewable Energy Technologies organized by Department of EEE, RIT on 24.03.2023
- Dr.S.Vairaprakash ASP/ECE acted as session chair in International Conference on Smart Engineering for Renewable Energy Technologies organized by Department of EEE, RIT on 25.03.2023
- Dr.A.Lakshmi ASP/ECE acted as Session Chair in the International Conference on Smart Engineering for Renewable Energy Technologies organized by Department of EEE, RIT on 25.03.2023
- Dr.R.Rajalakshmi acted as Session in the International Conference on Smart Engineering for Renewable Energy Technologies organized by Department of EEE, RIT on 25.03.2023

## FACULTY ACHIEVEMENTS

- National Commission for Women (NCW) has approved the proposal for conducting "Promotion of Work for Housewives: Career Counselling Sessions for Home Makers" for Ramco Institute of Technology. The coordinator for the programme is Dr.A.Lakshmi ASCP/ECE, Dr. V.Anusuya ASCP/CSE, Dr. L.Sathikala ASCP/Maths. Acknowledgement number is: NCW/1202112266134/CCW/2022-2023/59 The proposal has been sanctioned with the amount of Rs 80,000/-
- Ankur Gupta, R.D.Padmavathy, B.Kannan, R.Deiva Nayagam has registered an Indian design Patent "Device for Detecting Diseased Leaves in Plant by Image Processing", Design Number: 360018-001, which was published in the Patent Office Journal No. 28/2022 Dated 15/07/2022.
- Dr.A.Azhagu Jaisudhan Pazhani, Associate Professor/ECE received Anna University supervisor recognition under the branch of Information and Communication Engineering. Supervisor reference no: 4040056
- Dr.A.Lakshmi ASP/ECE received Anna University Supervisor Recognition under the branch of Information and Communication Engineering. Supervisor Reference No: 4140120

## FACULTY PUBLICATIONS

- M. Jamuna Rani and **A. Azhagu Jaisudhan Pazhani** “Computational efficient compression scheme for satellite images”, Earth Science Informatics.
- Gurpreet Singh, Jothi Prabha Appadurai, Varatharaju Perumal, Kavitha K, Anil Kumar T. Ch., DVSSSV Prasad, **Azhagu Jaisudhan Pazhani A**, Umamaheswari Kandasamy, “Machine learning based modelling and predictive maintenance of turning operation under cooling / lubrication for manufacturing systems”, Advances in Materials Science and Engineering.
- C.Nandagopal, P.SivaKumar, **R.Rajalakshmi** and S.Anandamurugan, "Mobility Aware Zone-Based Routing in Vehicle Ad hoc Networks Using Hybrid Metaheuristic Algorithm", Intelligent Automation & Soft Computing, DOI: 10.32604/iasc.2023.031103 (SCIE).
- Dhanusha P.B, Muthukumar A, **Lakshmi A** published a paper titled “A Novel approach for Early Invention of Retinal Disorders using Machine Learning” in Springer Lecture Series- Part of the Lecture Notes in Networks and Systems book series, Volume 436, pp. 345–355. Published on 02 Aug., 2022. [https://link.springer.com/chapter/10.1007/978-981-19-1012-8\\_23](https://link.springer.com/chapter/10.1007/978-981-19-1012-8_23)
- **S.Periyanayagi**, **G.Gnana Priya**, T.Chandrasekar, V.Sumathy and S.P.Raja, “Artificial intelligence and IoT-based biomedical sensors for intelligent cattle husbandry systems”, International Journal of Wavelets, Multiresolution and Information Processing, Vol. 2022. (SCIE).
- **B.Kannan**, S.Karthigai Lakshmi, "Brain cancer analysis using deep learning architecture on MRI brain image", International Journal of Medical Engineering and Informatics, DOI: 10.1504/IJMEI.2022.10048344. (Scopus Indexed)
- Dankan Gowda V, Avinash Sharma, Mirzanur Rahman, Parismita Sarma , Rajesh L, GhazaalaYasmin, **A. Azhagu Jaisudhan Pazhani** “A novel method of data compression using ROI for biomedical 2D images” Elsevier, Measurement: Sensors Journal ,Volume 24, September 2022. (Scopus Indexed)

## FACULTY PUBLICATIONS

- Nallamilli P.G. Bhavani, Ganapathy Senthilkumar, Shahnazeer Chembalakkat Kunjumohamad, **Azhagu Jaisudhan Pazhani**, Ravi Kumar, Abolfazl Mehbodniya, Julian L. Webber, “Real-Time Inspection in Detection Magnetic Flux Leakage by Deep Learning Integrated with Concentrating Non-Destructive Principle and Electromagnetic Induction”, IEEE Instrumentation & Measurement Magazine (Volume: 25, Issue: 7, October 2022)
- Manjunathan Alagarsamy, Vijay Mathiyazhagan, Dinesh Paramathi Mani, Malarvizhi Chitrakannu, **Balaji Vignesh Lappasi Kannan**, Kannadhasan Suriyan, “Circular Slot antenna for triband application”, International Journal of Reconfigurable and Embedded Systems, November, 2022. DOI: <http://doi.org/10.11591/ijres.v11.i3.pp226-232> (Scopus Indexed)
- **R.Deiva Nayagam**, K.Aarthi, S.Mirra, “Colon Cancer Classification on Histopathological images using Deep Learning Techniques”, International Journal of Engineering Research & Technology (IJERT), Vol. 10, Issue 8, 2022.
- **Sivakumar G, Deiva Nayagam R, Balaji Vignesh L K, & Sreenga Nachiyar V**, Drug delivery system for chronic obstructive pulmonary diseases using IoT, International Journal of Health Sciences,6(S8), 5331–5338, 2022.
- **Azhagu Jaisudhan Pazhani.A**, P. Gunasekaran, Vimal Shanmuganathan, Sangsoon Lim,\*Kaliappan Madasamy , Rajesh Manoharan and Amit Verma, “Peer–Peer Communication Using Novel Slice Handover Algorithm for 5G Wireless Networks”, Journal of Sensor and Actuator Networks. 2022, 11, 82. <https://doi.org/10.3390/jsan11040082>. (ESCI, Scopus & WoS, Q1 Journal)
- **Deepa Lakshmi.B**, Rajendran R S, Jackrit Suthakorn and Branesh M. Pillai, “Impact of CIGS, CdS and i – ZnO film thickness, temperature on efficiency enhancement of CIGS solar cells” Journal of Ceramic Processing Research. Vol. 23, No. 6, pp. 1~6 (2022)
- N. P. G. Bhavani, **B. Deepalakshmi**, K. Sujatha & C. Tamilselvi, “Smart Monitoring and Quality Control in Leather Processing Industry” Cognitive Science and Technology book series (CSAT), Jan 01, 2023

## FACULTY PUBLICATIONS

- **P.Gunasekaran, A.Azhagu Jaisudhan Pazhani** and T.Ajith Bosco Raj, "A Novel Method for Multiple Object Detection on Road Using Improved YOLOv2 Model" Informatica 46 (2022) 567–574.
- **Mrs.R.Ramalakshmi, Dr.K.Ragavan, Mrs.G.Gnana Priya, Mrs.V.SrirengaNachiyar, Ms.L.Krishna Kumari** , Dr.S.Tamil Selvi "Performance Evaluation of Different MIMO Systems" Journal of Pharmaceutical Negative Results (Scopus Indexed). DOI: 10.47750/pnr.2023.14.S02.160.
- N.Thenmoezhi, B.Perumal, **A.Lakshmi**, "Clustering based image segmentation for optimal image fusion using CT and MRI images" International Journal of Modeling, Simulation and Scientific Computing. (Scopus indexed & SCI). DOI: doi.org/10.1142/S1793962324410010
- Avinash Sharma, K.D.V.Prasad, Sadashiva V.Chakrasali, V.Dankan Gowda, Chanakya Kumar, Abhay Chaturvedi and **A.Azhagu Jaisudhan Pazhani**, "Computer Vision Based Healthcare System for Identification of Diabetes & its types using AI, Measurement: Sensor (Elsevier), Volume:27, March 2023.
- **Mrs.G.Subhashini, Dr.S.Vairaprakash, Ms.R.Chandralekha, Dr.R.Rajalakshmi, Ms.A.S.Amudhadevi** and Ms.R.Ishwarya, "Modelling and Analysis of different types of TSV for Three Dimensional Integrated Circuits", IEEE International Conference on Networking and Communications (ICNWC 2023), SRM Institute of Science and Technology, Chennai, 05.04.2023.
- **Vairaprakash** Selvaraj, Alagarsamy Manjunath, Thangaraju Dineshkumar, Dinesh Paramathi Mani "Classification of COVID-19 Patient Based on Multilayer Perceptron Neural Networks Optimized with Garra Rufa Fish Optimization Using CT Scan Images" International Journal of Pattern Recognition and Artificial Intelligence, 9th May 2023, DOI:https://doi.org/10.1142/S0218001423570033
- **R. Deiva Nayagam, D. Selvathi, R. Geeta, D. Gopinath and G. Sivakumar**, "Mobile Application based Indoor Positioning and Navigational System using Dijkstra's Algorithm", J. Phys.: Conf. Ser. 2466 012007, 2023. (Scopus Indexed)
- M. Savithri, M. Pradeepa, D. Rajendra Prasad, Durgaprasad Gangodkar, **R. Rajalakshmi**, Shaik Shafi, N. M. Sinchana, K. R. Prasanna Kumar, and Nagarajan Selvam, "Enhancement of QoS in Internet of Things Wearable Devices Dependent on 5G Technology", Wireless Communications and Mobile Computing, Volume 2023, https://doi.org/10.1155/2023/6709109. (ACM Digital Library, Scopus)

## FACULTY PUBLICATIONS

- T.D.Subha, **C.Arunachalaperumal**, “A hybrid CapSA-WHO method used for performance enhancement of tandem perovskite solar cell”, Expert Systems with Application (ESWA), Elsevier, Vol. 230, Issue No. 15. SCI (impact factor 8.665) <https://doi.org/10.1016/j.eswa.2023.120554>
- **Radhakrishnan Rajalakshmi**, Sivakumar Pothiraj, Miroslav Mahdal and Muniyandy Elangovan, “Adaptive Fuzzy Logic Deep-Learning Equalizer for Mitigating Linear and Nonlinear Distortions in Underwater Visible Light Communication Systems” Sensors 2023, Vol. 23, Issue No. 12, 5418; <https://doi.org/10.3390/s23125418>, June 2023. (SCIE), Indexed in PubMed (Impact factor :3.847)
- P Sivakumar, **R Rajalakshmi**, P Dhanush, M Vinay, B Adithya, K Jagadeeshwar, “10GB MAC CORE Verification Reference (Input Monitor) Module”, 2023 7th IEEE International Conference on Intelligent Computing and Control Systems (ICICCS), June 2023 IEEE Xplore (Scopus Indexed).
- P Sivakumar, I Shashank, **R Rajalakshmi**, K Manoj Kumar, G Nanda Nandan, K T..Kumar, “A Novel Technique to Detect the Muscle Disorder”, 2023 7th IEEE International Conference on Intelligent Computing and Control Systems (ICICCS), June 2023, IEEE Xplore (Scopus Indexed).
- N.Bhuvaneshwary, J.Deny, **A.Lakshmi**, “Hybrid Optimized Verification Methodology using Deep Reinforcement Neural Network”, Journal of Intelligent & Fuzzy Systems, 13 June 2023, DOI: 10.3233/JIFS-232132
- Dr.B.Paulchamy, Dr.C.Natarajan, **Dr.S.Vairaprakash**, Dr.A.Purushothaman, “Implementation of Lane Marking Detection Algorithm for FPGA using Soft Computing Technique”, Gradiva Review Journal, ISSN No: 0363-8057, June 2023.

## CONFERENCE PARTICIPATIONS

- A.Lakshmi, R.Alaguselvi, A.Elavarasi, K.Loggaa Sri Agitha presented a paper titled, "Design and Analysis of a Slotted Monopole Antenna for Detecting Breast Cancer using Ultra- Wide Band Application" in the third International Conference on Applied Science, Engineering, Technology and Management (AICASETM '22) organized by Alpha College of Engineering, Thirumazhisai, Chennai on 23 Sep., 2022.
- V.SrirengaNachiyar, S.Lingesh, R.Kavin kumar, C.M.Kesava Mugesh Kumar, K.Ragavan, participated in the third ACE International Conference on Applied Science, Engineering, Technology and Management" organized by Alpha College of Engineering held on 23 Sep., 2022.
- Dr.B.Deepa Lakshmi, ASP/ECE presented a paper titled, "A Complete Review on preprocessing of Tamil Handwritten Character Recognition" in the third International Conference on Applied Science, Engineering, Technology and Management (AICASETM '22) organized by Alpha College of Engineering, Thirumazhisai, Chennai on Sep 2022.
- S. Dhanasekaran, P. Gomathi, A. Renaldo Maximus, Thiyagarajan Krishnan, B. Kannan, "Solar Tree-based Smart City Street Light Control System using IoT BLYNK Platform", 1st IEEE International Conference on Automation, Computing and Renewable Systems from 13th to 15th December 2022 at MZCET. (978-1-6654-6084-2/22/©2022 IEEE) – Scopus
- R.Deiva Nayagam, D.Gopinath, G.Sivakumar, "Mobile Application based Indoor Positioning and Navigational System using Dijkstra's Algorithm", Fourth National Conference on Communication Systems, National Institute of Technology, Pudhucherry, 23.12.2022.
- Dr.K.Ragavan AP(SG)/ECE, Mrs.R.Ramalakshmi AP/ECE, Mrs.V.Srirenga Nachiyar, AP(SG)/ECE & Mrs.G.Gnana Priya AP(SG)/ECE presented a paper on IEEE Sponsored 5th International Conference on "Smart Systems and Inventive Technology (ICSSIT 2023) organized by Francis Xavier Engineering College on 25 January 2023.

## CONFERENCE PARTICIPATIONS

- M. Pondurai, Mr. L. K. Balajivignesh, Ms. R. Chandralekha, Dr. S. Viraprakash, K. Neerathi, and M. Paranitharan presented a paper titled "Rectangular Microstrip Patch Array Antenna for Short Wave Radio Band Applications" in the IEEE International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023), organized by JCT College of Engineering and Technology, Coimbatore, 641105, on February 4, 2023.
- Ms.L.Krishnakumari, Mrs.R.Ramalakshmi, Mrs.V.SrirengaNachiyar, Mr.K.Ragavan, Mrs.K.Ramalakshmi presented a paper titled "Analysis of Liver Tumor Segmentation Using Deep Resnet" in IEEE Sponsored 3rd International Conference "Artificial Intelligence and Smart Energy" ICAIS 2023 organized by JCT College of Engineering and Technology, Coimbatore on 04 February 2023.
- P. Sivakumar, R. Rajalakshmi, Arun Kumar T, R. Nanda Kishore, G. Mounika, K. Sai Kumar, "A Novel Sensing System to Detect the Overflow of Septic Tanks", IEEE Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), 2023, IEEE Xplore, March 2023, DOI: 10.1109/ICAIS56108.2023.10073674. (Scopus Indexed)
- L.Krishna Kumari, "Robust Visual Object Tracking in Clustered Environment", IEEE 5th International Conference on Contemporary Computing and Informatics, IEEE Xplore, March 2023, DOI: 10.1109/IC3I56241.2022.10073327. (Scopus Indexed)
- S.Vairaprakash and S. Rajagopal published a book chapter titled "Brain-Computer Interface-Based Real-Time Movement of Upper Limb Prostheses Topic: Improving the Quality of the Elderly with Brain-Computer Interface" in the book "Brain-Computer Interface", page no. 179-204, ISBN 978-1-119-85720-4. Publisher: Scriver-Wiley.
- B. Kannan, R.Monika, M.Seethadevi, G.Sanghavi, "Automatic Damage Detection of Historic Masonry Buildings Based on Densenet Deep Learning Model", International Conference on Recent Advances and Innovations in Science, Engineering, Technolgy, and Management (iCRAISETM-2023), Solamalai College of Engineering, Madurai, 21.04.2023 to 22.04.2023.

## CONFERENCE PARTICIPATIONS

- R.Deiva Nayagam, S.Marikrishnauthami, N.Sakthi Abirami, “Tampered image Detection based on Ring Partition and Half Toning”, International Conference on Recent Advances and Innovations in Science, Engineering, Technolgy, and Management (iCRAISETM-2023), Solamalai College of Engineering, Madurai, 21.04.2023 to 22.04.2023.
- D.Gopinath, R.Deiva Nayagam, G.Sivakumar, S.Karthik, P.Deepak Chakravarthi, “Intelligent Intravenous Syringe Pump”, IEEE International Conference on Intelligent Systems for Communication, IoT and Security, ICISCoIS 2023, IEEE Explore. (Scopus Indexed)
- Dr.C.Arunachala Perumal, C.Pradeep, V.Surendar presented a paper titled, “A double layer encryption using cryptographic algorithms for communication”, in ISTE sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- Dr.A.Lakshmi, S.Subhash, P.Veeramanimaran, A.Vijayalaxmanasen presented a paper titled, “Critical Equipment Healthyness Monitoring And Alert System”, in ISTE sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- Dr.R.Rajalakshmi, A.Sushma, R.Vinothini Rajam presented a paper titled, “Classification and Detection of Leukaemia from Bone Marrow Microscopic Images Using Convolutional Neural Network”, in ISTE sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- Dr.R.Rajalakshmi, Jaya Mahima.M and Indhumathi.C presented a paper titled, “Satellite Image Based Wildfire Detection and alerting System Using Machine Learning”, in ISTE sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.

## CONFERENCE PARTICIPATIONS

- R.Ramalakshmi, M.Anudharshini, K.Gayathri presented a paper titled "A Hybrid Sunflower Optimization Algorithm for Cluster Head Selection in the Internet of Things" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- R.Ramalakshmi, M.Sabriyah, P.Sneha presented a paper titled "Interoperative Biopsy Site Relocalization in Endoscope for Gastro Intestinal Tract Using DLT" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- Mrs.S.Jeeva, M.Marimuthu, R.Rajeshwaran presented a paper titled "Evaluation of Image Enhancement Techniques on Enamel Hypoplasia : A Comparative Study" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- G. Gnana Priya, P. Kalidas, S.Kamalesh, M.Kesavanand presented a paper titled "DDOS Attack Detection Using Two Different ML Algorithms" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- G. Gnana Priya, R.Manojkumar, S.V.Shanmugavishal presented a paper titled "Alzheimer's Classification Using Deep Learning" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- A.Rameshbabu, Mr.D.Giritharan, Mr.A.Kumaraguruparan presented a paper titled "Design and Implementation of Efficient ALU using Pass Transistor Logic", in the ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'23), organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.

## CONFERENCE PARTICIPATIONS

- A.Rameshbabu, Ms.C.Padma Priya, Ms.M.Vaishnavi presented a paper titled “Design of Advanced Automatic Teller Machine Using Facial Recognition With Atmega-328 Microcontroller”, in the ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23), organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- P.Venkatesh, R.Kavin Kumar , R.Chidhambaranathan presented a paper titled "Design and Analysis of transient characteristics of SWB antenna using different substrates for wireless applications" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- P.Venkatesh, I.Santhish, K B Nhidhees Laksh Kumar, Ms.R.Chandralekha, presented a paper titled "Design of Compact Printed Antenna For 5G Applications" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- L.Krishna Kumari, Manjula G, Sanghavi G, Sneha B has presented a paper titled “Faster RCNN Based Vehicle Detector in Foggy Areas” in the ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- R.Deiva Nayagam, I.S.Gomathi Nayagam, G.Ganesh presented a paper titled, "Image Segmentation of Prostate cancer using Deep Learning" in ISTE sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET’23) organized by Karpagam Institute of Technology, Coimbatore, 05-06 May, 2023.
- R.Chandralekha, R.Diwya Dharshini, K.Loggaa Sri Agitha, “Examining Fetal Biometric Ultrasound Images for Anomalies using Deep Learning Technique”, on The International Conference on Newer Engineering Concepts and Technology,(ICONNECT-2K23), K.Ramakrishnan College of Technology, Trichy, 2023.

## CONFERENCE PARTICIPATIONS

- G.Sivakumar, S.Balaji, R.Mahendra Prakash, T.Naveen Ajaykumar, "Hybrid Light Weight Cryptography Model for Resource Constraint IOT Devices", ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTST'23), Karpagam Institute of Technology, Coimbatore, May 2023
- G.Sivakumar, C.M.Keshava Mugeshe Kumar, R.Arumuga Viswanath, "Machine Learning based Anomaly Detection in Networks" ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTST'23), Karpagam Institute of Technology, Coimbatore, May 2023
- V.SreengaNachiyar, K. Kalimuthu S.Lingesh, S.Hariharan, "Classification of EEG Signals using AI" ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTST'23), Karpagam Institute of Technology, Coimbatore, May 2023
- V.SreengaNachiyar, S.Prakathi, P.Vijayasankari, "Deep Convolutional Neural Network Architecture For Automatic Detection of Brain Tumors in MR Images", ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTST'23), Karpagam Institute of Technology, Coimbatore, May 2023.
- Mrs.G.Subhashini, Dr.S.Vairaprakash, Ms.R.Chandralekha, Dr.R.Rajalakshmi, Ms.A.S.Amudhadevi, Ms.R.Ishwarya, "Modelling and Analysis of different types of TSV for Three Dimensional Integrated Circuits", IEEE International Conference on Networking and Communications (ICNWC 2023), SRM Institute of Science and Technology, Chennai, 25 May, 2023 IEEE Xplore (Scopus Indexed), DOI: 10.1109/ICNWC57852.2023.10127533.

## FACULTY PARTICIPATION

### Events Attended

- Dr.B.Deepa Lakshmi, ASP/ECE, Mr.A.Rameshbabu AP/ECE, Dr.R.Rajalakshmi, AP/ECE & Mrs.G.Subhashini attended FDP on "Universal Human Values - I" organized by AICTE, Delhi during 11-15 July 2022.
- Mrs.R.Ramalakshmi AP/ECE attended a Faculty Training Program on "5G Wireless Communication Technology" organized by IEEE India Council during 28-30 July, 2022.
- Dr.A.Azhagu Jaisudhan Pazhani, ASCP/ECE, Dr.A.Lakshmi, ASCP/ECE, Mr.B.Kannan, AP(SG)/ECE, Mrs.R.Ramalakshmi, AP/ECE, Mr.A.Rameshbabu, AP/ECE, Mr.P.Gunasekaran, AP/ECE, Mr.R.Deiva Nayagam, AP/ECE, Dr.R.Rajalakshmi, AP/ECE, Mrs.G.Subhashini, AP/ECE, Ms.S.Harini Shriram, AP/ECE attended a Workshop on "TinyML for scientific use cases" organized by Ramco Institute of Technology, Rajapalayam on 25 July, 2022.
- Mr.P.Gunasekaran AP/ECE attended Regional Meet IIC MoE's Innovation cell organized by PSNA College of Engineering Dindigul on 09 Aug., 2022.
- Mr.A.Rameshbabu, AP/ECE acted as a Faculty Mentor for a Short Term Training Program on "Design Thinking" organized by IUCEE from January 2022 to June 2022.
- Dr.K.Ragavan, AP(SG)/ECE attended the IITM PALS Executive Committee (EC) Members Orientation meeting organized by Expert Members of the PALS Team on 17 Aug., 2022.
- Mrs.G.Gnana Priya AP(SG)/ECE attended a FDP on "Emerging trends in communication and signal processing for next generation applications" organized by BBIT Kolkata in collaboration with NIT Silchar during 12-16 Sep., 2022.
- Mrs.G.Gnana Priya AP(SG)/ECE, Mr.D.Gopinath AP/ECE, & Mr.L.K.Balaji Vignesh AP/ECE, attended an Online workshop on "Improving Research Writing using Grammarly" organized by Bridge People Technology Solutions Pvt. Ltd., Bangalore on 12 Sep., 2022.
- Mr.L.K.Balaji Vignesh AP/ECE, attended a Workshop on "Microstrip Antenna for future communication system" organized by Manipal University, Jaipur on 16 Sep., 2022

## FACULTY PARTICIPATION

### Events Attended

- Mr.B.Kannan, AP(SG)/ECE attended a STTP on “Powering IoT using Raspberry Pi/ Arduino” organized by Naan Mudhalvan Upskilling Platform-Skillsda (Thiagarajar College of Engineering, Madurai) during 19-23 Sep., 2022.
- Mr.P.Gunasekaran, AP/ECE attended a FDP on “Naan Mudhalvan - Training the Trainer - Block chain” organized by Naan Mudhalvan Upskilling Platform-Skillsda (Thiagarajar College of Engineering, Madurai) during 19-21 Sep., 2022.
- Mr.L.K.Balaji Vignesh AP/ECE & Mr.P.Venkatesh AP/ECE attended National Level Seminar on “Research Issues in Reconfigurable Metamaterials and Metasurfaces for Antenna Design” organized by Velammal College of Engineering and Technology (Autonomous), Madurai during 7-8 October 2022.
- Dr.R.Alagusevi AP/ECE attended International Workshop on “Research Methodology” organized by Research and Publication Division Scholars Gate-Research Training Institute on 8 October 2022.
- Ms.L.Krishna Kumari, AP/ECE attended International Workshop on “Research Methodology” organized by Research and Publication Division Scholars Gate-Research Training Institute on 8 October 2022.
- Mr.G.Sivakumar, AP/ECE & Mr.L.K.Balaji Vignesh, AP/ECE attended a Workshop on “AWS Educator Master Class” organized by ICT Academy during 10-11 October 2022.
- Mr.R.Deiva Nayagam, AP/ECE attended Naan Mudhalvan Programme on “Machine Learning with Application to Object Recognition” organized by Infosys, Chennai on 11 October 2022.
- Dr.K.Ragavan, AP(SG)/ECE attended Naan Mudhalvan Programme on “CyberSecurity” organized by Infosys, Chennai on 12 October 2022.
- Mr.R.Deiva Nayagam, AP/ECE successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 19 - 23 Sep., 2022. (Certificate received on 25 Oct., 2022)
- Mrs.G.Gnana Priya, AP(SG)/ECE attended a webinar on “IP Awareness/Training program” organized by Sasurie College of Engineering on 19 Oct., 2022.

## FACULTY PARTICIPATION

### Events Attended

- Dr.B.Deepa Lakshmi HOD Incharge & ASCP/ECE attended a Short Term Course on “Engineering Optimization using MATLAB” organized by NITTTR, Chandigarh during 31-4 November 2022.
- Ms.L.Krishnakumari AP/ECE attended a Webinar on “Scheduling Tasks in Energy Harvesting IoT” organized by IEEE Student Branch and Department of Electronics and Communication Engineering, NMIT, Bengaluru on 18 Nov., 2022.
- Mrs.G.Subhashini AP/ECE attended International Seminar on “Quality Assurance through Accreditation” organized by National Institute of Technical Teachers Training and Research (NITTTR) on 24 November 2022.
- Dr.R.Alaguselvi AP/ECE & Ms.R.Chandralekha AP/ECE attended FDP on “Internet of Things (IOT) and Cloud Interface” organized by St. Joseph’s Institute of Technology during 21-23 November 2022.
- Ms.R.Chandralekha AP/ECE attended Workshop on “Artificial Intelligence” organized by Pixel tests - IIT Madras CCE on 27 November 2022.
- Mr.D.Gopinath AP/ECE attended “4th International Conference on Soft Computing and its Engineering Applications (icSoftComp2022)” organized by Charotar University of Science & Technology, Changa, Gujarat during 9-10 December 2022.
- Mr.D.Gopinath AP/ECE attended International Webinar on “Reconfigurable Intelligent and Holographic Surfaces for Wireless Communications” organized by IEEE VTS Madras Section Chapter on 2 December 2022.
- Mrs.R.Ramalakshmi AP/ECE, Mr.D.Gopinath AP/ECE & Mr.A.Rameshababu AP/ECE Dr.K.Ragavan, AP(SG)/ECE attended NAAC sponsored two day national level workshop on “Role of NAAC in Enhancing Quality in Higher Education Institutions” organized by Ramco Institute of Technology during 16-17 December 2022.
- Dr.A.Lakshmi ASCP/ECE, Dr.K.Ragavan AP(SG)/ECE, Mrs.R.Ramalakshmi AP/ECE, Mrs.S.Jeeva AP/ECE, Mr.D.Gopinath AP/ECE, Mr.G.Sivakumar AP/ECE, Dr.R.Rajalakshmi AP/ECE & Ms.R.Chandralekha AP/ECE attended Seminar on “Primary Aspects of Paper Writing” organized by School of Electronics Engineering, IEEE Antenna Propagation Society Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar on 20 December 2022.

## FACULTY PARTICIPATION

### Events Attended

- Mrs.G.Subhashini AP/ECE attended Seminar on “Integrating Terrestrial and Non Terrestrial Networks: 3D Opportunities and challenges” organized by IEEE Madras Section Vehicular Technology Society Chapter on 20 December 2022.
- Dr.A.Lakshmi ASCP/ECE, Mr.D.Gopinath AP/ECE, Mr.A.Rameshbabu AP/ECE, Mr.G.Sivakumar AP/ECE, Mrs.G.Subhashini AP/ECE & Dr.R.Rajalakshmi AP/ECE attended IEEE Sponsored FDP on “Awareness of Electronic Tools For System Design” organized by Sri Sai Ram Institute of Technology, Chennai during 19-24 December 2022.
- Dr.R.Alaguselvi, AP/ECE, Ms.R.Chandralekha, AP/ECE, Webinar on “Recent Trends In Antenna Design And Its Applications”, Sethu Institute of Technology, 29.12.2022
- Mr.A.Rameshbabu, AP/ECE, Dr.R.Rajalakshmi, AP/ECE, Dr.A.Lakshmi, ASP/ECE, STTP on “IEEE MAS Sponsored FDP on Recent Trends In 5G Communication Networks”, Sri Sai Ram Institute of Technology, Chennai, 26.12.2022 to 30.12.2022
- Mr.B.Kannan AP(SG)/ECE, Mrs.R.Ramalakshmi AP/ECE, Ms.S.Harini Shriram AP/ECE, Dr.R.Alaguselvi AP/ECE, Ms.R.Chandralekha, AP/ECE, Workshop on “An Overview of Patents & Procedure for Protection, Ramco Institute of Technology, Rajapalayam, 20.01.2023.
- Mr.B.Kannan, AP(SG)/ECE & Mr.G.Sivakumar, AP/ECE attended a FDP on “Microsoft Power BI Data Analyst Associate” organized by Ramco Institute of Technology, Rajapalayam in association with ICT Academy during 30 January 2023 to 03 February 2023.
- Mrs.S.Jeeva, Mrs.G.Subhashini, Ms.Chandra Lekha visited Sugapriya Mineral Water, Srivilliputhur during 05.01.2023 - 06.01.2023
- Dr.B.Deepa Lakshmi ASCP/ECE, Dr.A. Azhagu Jaisudhan Pazhani ASCP/ECE, Dr.S.Vairaprakash ASCP/ECE, Dr.A.Lakshmi ASCP/ECE, Dr. K. Ragavan AP(SG)/ECE, Mr.B.Kannan AP(SG)/ECE, Mrs.G.Gnana Priya AP(SG)/ECE, Mrs.R.Ramalakshmi AP (SG)/ECE, Mrs.V.Srirenga Nachiyar AP(SG)/ECE, Mrs.S.Jeeva AP/ECE, Mr.D.Gopinath AP/ECE, Mr.A.Rameshbabu AP/ECE, Mr.P.Gunasekaran AP/ECE, Mr.R.Deiva Nayagam AP/ECE, Mr.G.Sivakumar AP/ECE, Mr.P.Venkatesh AP/ECE, Ms.S.Harini Shriram AP/ECE, Dr.R.Rajalakshmi AP/ECE, Mrs.G.Subhashini AP/ECE, Ms.L.Krishnakumari AP/ECE, Ms.R.Chandralekha attended National level online workshop on “Journal Paper Writing” organized by Ramco Institute of Technology, Rajapalayam on 10 February 2023.

## FACULTY PARTICIPATION

### Events Attended

- Mrs.V.Srirenga Nachiyar AP(SG)/ECE attended Online FDP on “Professional Readiness for innovation, Employability & Entrepreneurship-IOT” organized by Nan Mudhalvan
- Ms.L.Krishnakumari attended Nan Mudhalvan Training-FDP on “Blockchain” organized by Thiagarajar College of Engineering, Madurai during 13-17 February 2023.
- Ms.L.Krishna Kumari participated in the five days Tamilnadu State Government sponsored Five days faculty development programme on "Blockchain Technology and its applications-An Implementation perspective",from 06.02.2023 to 10.02.2023 organized by the faculty development training centre in association with Department of Information Technology in association with government college of engineering, Erode in online mode.
- Ms.R.Chandralekha, AP/ECE attended a FDP on “An Integrated Approach to Reviewing Your Paper: Leveraging the Power of Citation Tools and ChatGPT” organized by Rajeev Gandhi College of Management Studies-R&D Committee, Mumbai on 10.04.2023.
- Mr.C.Arunachala Perumal attended an One Week STTP on Curriculum Development Process organized by NITTTR Chandigarh during 15-19 May, 2023
- Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE, Mr.R.Deiva Nayagam, AP/ECE attended a Training on “MoKuGo Testing Kit” organized by Tessolve Semiconductors Pvt. Ltd., Bangalore at NEC, Kovilpatti on 29-30 June 2023.

## ONLINE COURSES

### Faculty Online Course Completion

- Mrs.G.Gnana Priya, AP(SG)/ECE completed online course on “5G for Everyone” offered by Coursera on 4 July, 2022.
- Mrs.R.Ramalakshmi, AP/ECE completed online course on “Wireless Communications Onramp” offered by Mathworks on 7 July, 2022.
- Dr.R.Rajalakshmi, AP/ECE completed online course on “Signal Processing on Ramp” offered by Mathworks on 7 July, 2022.
- Ms.S.Harini Shriram, AP/ECE completed online course on “Wireless Communications Onramp” offered by Mathworks on 8 July, 2022.
- Dr.R.Rajalakshmi, AP/ECE completed online course on “Successful Research Grant Applications – Getting it Right” offered by Research Academy on 7 July, 2022.
- Mrs.G.Subhashini, AP/ECE completed an online course on “Machine Learning Onramp” offered by Mathworks on 11th July 2022.
- Mrs.V.SrirengaNachiyar, AP(SG)/ECE completed an online course on “Students Self Assessment with Microsoft” offered by Coursera on 18 July, 2022.
- Mrs.V.SrirengaNachiyar, AP(SG)/ECE completed an online course on “Use Canva to Create Social Media Visuals for business” offered by Coursera on 18 July, 2022.
- Mr.L.K.Balaji Vignesh, AP/ECE completed an online course on “Deep Learning Onramp” offered by Mathworks Training Services on 21 July, 2022.
- Mr.B.Kannan, AP(SG)/ECE completed an online course on “Introduction to Microsoft Excel” offered by Coursera on 22 July, 2022.
- Mrs.G.Subhashini, AP/ECE completed an online course on “Introduction to IoT” offered by Cisco on 23 July, 2022.
- Mrs.R.Ramalakshmi, AP/ECE completed an online course on “How to prepare a proposal for a review article” offered by Elsevier on 27 July, 2022
- Mr.R.Deiva Nayagam, AP/ECE completed a three month online course on “Professional Ethics & Sustainability” offered by NITTT on 01 Aug., 2022.
- Mr.L.K.Balaji vignesh, AP/ECE completed a three month online course on “Orientation towards technical education and curriculam aspects” offered by NITTT on 01 Aug., 2022.
- Dr.R.Rajalakshmi, AP/ECE completed an online course on “Discover how metrics can boost funding and networking opportunities” offered by Research Academy on 02 Aug., 2022.

## ONLINE COURSES

### Faculty Online Course Completion

- Dr.R.Rajalakshmi, AP/ECE completed an online course on “Create Your First Web App with Python and Flask” offered by Coursera Project Network on 08 Aug., 2022.
- Dr.R.Rajalakshmi, AP/ECE completed an online course on “Certified peer reviewer course-12 modules” offered by Research Academy on 14 Aug., 2022.
- Dr.R.Alaguseelvi, AP/ECE completed an online course on “Deep Learning Onramp” offered by Mathworks on 27 Aug., 2022.
- Ms.R.Chandralekha, AP/ECE completed an online course on “Deep Learning Onramp” offered by Mathworks on 27 Aug., 2022.
- Dr.K.Ragavan, AP(SG)/ECE completed an online course on “Funding Hacks for Researchers” offered by Elsevier on 09 Sep., 2022.
- Mr.B.Kannan, AP(SG)/ECE completed online course on “Machine Learning Onramp” offered by Mathworks on 26th September 2022.
- Dr.A.Lakshmi, ASP/ECE completed online course on “Reinforcement Learning onramp” offered by Mathworks on 1st October 2022.
- Ms.R.Chandralekha, AP/ECE completed online course on “NIECer 103: Scientific Writing in Health Research” offered by NPTEL/ICMR(NIE) on 1 Nov., 2022.
- Dr.S.Vairaprakash, ASP/ECE completed online course on “Deep Learning Onramp” offered by Mathworks on 2 Nov., 2022.
- Mr.P.Gunasekaran, AP/ECE completed an online course on “Learn CCNA 200-301 Network Fundamentals Online” offered by SkillUP on 7 November 2022.
- Mrs.R.Ramalakshmi, AP/ECE completed online course on “Structuring your article Correctly” offered by Research Academy Elsevier on 28 th November 2022.
- Dr.R.Alaguseelvi, AP/ECE completed online course on “NIECer 103: Scientific Writing in Health Research” offered by Indian Council of Medical Research (ICMR)-National Institute of Epidemiology on 28 th November 2022.
- Mrs.S.Jeeva, AP/ECE completed online course on “Reinforcement Learning Onramp” offered by Mathworks Training Services on 16 December 2022.
- Mrs.R.Ramalakshmi, AP(SG)/ECE completed online course on “Share Data Through the Art of Visualization” offered by Coursera on 20.02.2023

## ONLINE COURSES

### Faculty Online Course Completion

- Ms.R.Chandralekha, AP/ECE completed online course on “Ask Questions to Make Data-Driven Decisions” offered by Coursera on 7th March 2023.
- Mrs.R.Ramalakshmi, AP(SG)/ECE completed online course on “Data Analysis with R Programming” offered by Coursera on 10th March 2023.
- Mrs.G.Subhashini, AP/ECE completed online course on “Prepare data for Exploration” offered by Coursera on 10th March 2023.
- Mrs.G.Subhashini, AP/ECE completed online course on “Process Data from Dirty to Clean” offered by Coursera on 10th March 2023.
- Mrs.R.Ramalakshmi, AP(SG)/ECE completed online course on “Google Data Analytics Capstone: Complete a Case Study” offered by Coursera on 16th March 2023.
- Mr.D.Gopinath, AP/ECE completed online course on “Ask Questions to Make Data-Driven Decisions” offered by Coursera on 17th March 2023.
- Dr.A.Azhagu Jaisudhan Pazhani, ASP/ECE completed an online course on “AI in Healthcare” offered by Great Learning on 23rd March 2023.
- Mr.A.Rameshbabu, AP/ECE completed an online course on “Instructional Planning and Delivery” offered by NITTT on 25th March 2023.
- Mr.A.Rameshbabu, AP/ECE completed an online course on “Technology Enabled Learning & Life Long Self Learning” offered by NITTT on 25th March 2023.
- Mr.A.Rameshbabu, AP/ECE completed online course on “Creative Problem Solving , Innovation and Meaningful R & D” offered by NITTT on 25th March 2023.
- Mr.R.Deiva Nayagam, AP/ECE completed an online course on “Technology Enabled Learning & Life Long Self Learning” offered by NITTT on 25th March 2023.
- Mrs.G.Gnana Priya, AP(SG)/ECE completed an online course on “Discrete Time Signal Processing” offered by NPTEL on 26<sup>th</sup> March 2023.
- Mrs.S.Jeeva, AP/ECE completed an online course on “Discrete Time Signal Processing” offered by NPTEL on 26<sup>th</sup> March 2023.
- Dr.A.Lakshmi, ASP/ECE completed an online course on “Data for Exploration” offered by Coursera on 28<sup>th</sup> March 2023.
- Mr.D.Gopinath, AP/ECE completed an online course on “Prepare Data for Exploration” offered by Coursera on 28<sup>th</sup> March 2023.

## ONLINE COURSES

### Faculty Online Course Completion

- Ms.R.Chandralekha, AP/ECE completed an online course on “Prepare Data for Exploration” offered by Coursera on 29th March 2023.
- Mr.R.Deiva Nayagam, AP/ECE completed an online course on “Python for Data Science” offered by NPTEL on 26th March 2023.
- Ms.L.Krishna Kumari, AP/ECE completed an online course on “Introduction to IOT” offered by Cisco Networking Academy on 10 April 2023.
- Ms.S.Harini Shriram, AP/ECE completed an online course on “Matrix algebra for Engineers” offered by Coursera on 13 April 2023
- Dr.S.Vairaprakash, ASP/ECE completed online course on “Introduction to IOT” offered by Cisco Networking Academy on 22 April 2023.
- Mr.R.Deiva Nayagam, AP/ECE completed an online course on “ Fundamentals for Beginners” offered by Great Learning Academy on April 2023.
- Dr.A.Lakshmi, ASP/ECE completed online course on “Process Data from Dirty to Clean” offered by Coursera on 25th April 2023.
- Mr.B.Kannan, Assistant Professor (SG)/ECE completed online course on “Microprocessors and Microcontrollers” offered by NPTEL IIT Kharagpur on May 2023.
- Mr.G.Sivakumar, Assistant Professor/ECE completed online course on “Communication Networks” offered by NPTEL IIT Kharagpur on May 2023.
- Mrs.G.Subhashini, Assistant Professor/ECE completed online course on “Analog Circuits and Systems through SPICE Simulation” offered by NPTEL IIT Madras on May 2023.
- Ms.S.Harini Shriram, Assistant Professor/ECE completed online course on “Communication Networks” offered by NPTEL IIT Kharagpur on May 2023.
- Dr.R.Rajalakshmi, Assistant Professor/ECE completed online course on “Google Data Analytics Capstone: Complete a Case Study” offered by Coursera on 16th May 2023.

## ONLINE COURSES

### Faculty Online Course Completion

- Ms.R.Chandralekha, Assistant Professor/ECE completed online course on “Google Data Analytics Capstone: Complete a Case Study” offered by Coursera on May 26th 2023.
- Ms.R.Chandralekha, Assistant Professor/ECE completed online course on “Share Data Through the Art of Visualization & Data Analysis with R Programming” offered by Coursera on May 25th 2023.
- Dr.R.Rajalakshmi, Assistant Professor/ECE completed an online course on “Data Analysis with R Programming” offered by Coursera on 29 May, 2023.
- Mrs.G.Subhashini, Assistant Professor/ECE completed an online course on “Analyze Data to Answer Questions, Share Data Through the Art of Visualization & Google Data Analytics Capstone: Complete a Case Study” offered by Coursera on 29 May, 2023.
- Dr.S.Vairaprakash, Associate Professor/ECE completed an online course on “Foundations:Data, Data Everywhere” offered by Coursera on 03 June, 2023.
- Mrs.R.Ramalakshmi, AP(SG)/ECE completed an online course on “Mathematics for Machine Learning: Linear Algebra”, offered by Coursera on 10 June, 2023.
- Mr.R.Deiva Nayagam, AP/ECE completed an online course on “Mathematics for Machine Learning: Linear Algebra”, offered by Coursera on 10 June, 2023.
- Dr.S.Vairaprakash, Associate Professor/ECE completed online course on “Process Data from Dirty to Clean” offered by Coursera on June 12th 2023.
- Dr.S.Vairaprakash, Associate Professor/ECE completed online course on “Share Data Through the Art of Visualization” offered by Coursera on June 12th 2023.
- Mr.B.Kannan, Assistant Professor (SG)/ECE completed online course on “Introduction to Calculus” offered by Coursera on June 15th 2023.

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- M.Dhinesh, III ECE participated in Final Round of Ideathon-2K22, A National Level Design Contest for Innovations in Defence Electronics, at Kalam Institute of Youth Excellence Foundation, Hyderabad.



- R.Hariprasad, III ECE secured First Prize in Solo Dance at Legacy'22, Intercollegiate Cultural Competition at Mepco Schlenk Engineering College, Sivakasi, during 16-17 Sep., 2022.



- L.Rajalakshmi, M.A.Shakthi Shree, III ECE Secured First Prize in the Treasure hunt at Legacy'22, Intercollegiate Cultural Competition at Mepco Schlenk Engineering College, Sivakasi, during 16-17 Sep., 2022.

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- V.Sneha Asvini, M.A.Shakthi Shree, D,Sriranjani, M.Sivaranjini Secured Second Prize in Divide and Conquer Event at Legacy'22, Intercollegiate Cultural Competition at Mepco Schlenk Engineering College, Sivakasi, during 16-17 Sep., 2022.



- L.Rajalakshmi, M.A.Shakthi Shree participated in the Maruvaarthai at Legacy'22, Intercollegiate Cultural Competition at Mepco Schlenk Engineering College, Sivakasi, during 16-17 Sep., 2022
- L.Rajalakshmi, III ECE participated in the Voice of Legacy at Legacy'22, Intercollegiate Cultural Competition at Mepco Schlenk Engineering College, Sivakasi, during 16-17 Sep., 2022.
- M.A.Shakthi Shree participated in the Event- Graphix at Legacy'22, Intercollegiate Cultural Competition at Mepco Schlenk Engineering College, Sivakasi, during 16-17 Sep., 2022
- B.Jeyarudhra, S.Lakshana, V.Mahavidya, III ECE A participated in the event and won I prize in Technical Paper Presentation Entitled on "Artificial hand using Embedded System" organized by ISIE-RIT-SRA, Ramco Institute of Technology, Rajapalayam on 10-11 Oct., 2022.
- B.Akshiya Rajasri, H.Karthiga, B.R.Gunaksha, III ECE A participated in the event and won I prize in Technical Paper Presentation Entitled on "Artificial hand using Embedded System" organized by ISIE-RIT-SRA, Ramco Institute of Technology, Rajapalayam on 10-11 Oct., 2022.

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- B.M.Akila, G.Anusuya, M.Kirupa, III ECE A participated in the event and won II prize in Technical Paper Presentation Entitled on “Spinronics Devices” organized by ISIE-RIT-SRA, Ramco Institute of Technology, Rajapalayam on 10-11 Oct., 2022
- Akshayarajasri, V.Sneha Asvini, II ECE has passed the Cambridge Business English Certificate (BEC) at the Preliminary level.
- M.Hariharan, R.Shrinithi, D.Sriranjani, S.Srinandhini Priya, L.Rajalakshmi, S.Suruthi has passed the Cambridge Business English Certificate (BEC) at the Vantage level.
- S.Subhash, S.Hariharan, IV ECE participated in the Ek Bharat Shreshth Bharat Camp-II (EBSB Camp- II) for NCC Cadets from 10 Oct., – 19 Oct., 2022 at Jhansi, UP.
- S.Subhash, IV ECE, Won the Best Cadet Award- Senior Medal for the whole Tamilnadu group in the EBSB Camp at Jhansi, UP.
- S. Subhash, IV ECE, got the CUO (Cadet Under Officer) rank for the whole Tamilnadu group based on his performance and leadership qualities in the EBSB Camp at Jhansi, UP.



## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- Eniya M, Dharsan S, Dhineshkumar S, Meera A, Kiruthiga R, II ECE A participated in a session titled "My story-Motivational session by successful innovator" organized by Ramco Institute of Technology in association with RIT-EDC and RIT-IIC on 03.12.22.
- S.Selvapriyadharshini of I Year ECE B participated in "IQUIT" a Non-Technical Event in the Symposium held at Kamaraj College of Engineering and Technology on 15.02.2023.
- S.Selvapriyadharshini of I Year ECE B participated in "Capture It" a Non-Technical Event in the Symposium held at Kamaraj College of Engineering and Technology on 15.02.2023.
- S.Nevashene, S.Puvansri, M.Varalaksmi & B.Vijayashree of I Year ECE B participated and win cash prize of Rs.750/- in "Tech-o-War" a technical event in the National Level Techno Symposium held at Mepco Schlenk Engineering College on 18.02.2023.
- S.Sanchavi Priya of I Year ECE B participated in the events Kho – Kho, Ball Badminton and Volley Ball and got "Winner" in the Tenth Sports Day held at Ramco Institute of Technology, Rajapalayam on 10.03.2023.
- B.Sankara Gomathi of I Year ECE B participated in the event Disc Throw and won Second prize in the Tenth Sports Day held at Ramco Institute of Technology, Rajapalayam on 10.03.2023.
- A.Nandhiya of I Year ECE B participated in the events Kho – Kho and Ball Badminton and got "Winner" in the Tenth Sports Day held at Ramco Institute of Technology, Rajapalayam on 10.03.2023.
- M.Ponamani & B.Vijayashree of I Year ECE B participated in the events Kho – Kho, Ball Badminton, Throw Ball and Volley Ball and got "Runner" in the Tenth Sports Day held at Ramco Institute of Technology, Rajapalayam on 10.03.2023.
- S.Selva Priyadharshini of I Year ECE B participated in 4\*100 meters and 4\*400 meters Running and won Third prize in the Tenth Sports Day held at Ramco Institute of Technology, Rajapalayam on 10.03.2023.
- S.Sridevi Nachiyar of I Year ECE B participated in 100 meters Running and won Third prize in the Tenth Sports Day held at Ramco Institute of Technology, Rajapalayam on 10.03.2023.

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- M.Kartheeswaran, II ECE A got First Prize in Insas Rifle Kholna Jodna Competition held during the Army Attachment Training at Army Camp Pallavaram.
- M.Eniya, R.Kiruthiga, A.Meera, II ECE A participated in the workshop titled "CISCO Packet Tracer" organised by National Engineering College, Kovilpatti on 18.03.2023.
- R.Hari Prasath, M.Kartheeswaran, II ECE A attended Army Attachment Training held at Army Camp, Pallavaram from 07.03.23 to 17.03.23.
- R.S.Ramkumar attended an expert lecture on "Green & Net Zero Buildings: Challenges and Resolutions", organized by RIT, Rajapalayam on 13 March 2023.
- R.Shrinithi, S.Monica, B.Roshan Ram, C.R.Sakthi, R.Sarankumar and S.Suruthi, III ECE Students submitted a proposal titled "Development of Cost Effective Automated Machine for Onion Grading and Preservation" under the Scheme of AICTE Onion Grand Challenge, Ministry of Consumer Affairs, Food and Public Distribution, Government of India with the guidance of Dr.A.Lakshmi ASP/ECE, RIT, Rajapalayam. The team has been short listed for stage 1, (Ideation to PoC) on 21.03.2023 and received certificate from Government of India with the financial support of Rs. 75,000/- to develop a proof of concept (PoC) and prize money of Rs.25000.



## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- S. Dhemeena Ismail, III ECE participated in the Virtusa's Global Initiative "Engineering Equity Hackathon" held between February 2023 - March 2023
- A.Kapil, R.Harish, J.Kamalesh, III ECE participated in a one day workshop on "Surgical Robotics and Medical Equipments" organized by the Department of Bio-medical Engineering, Mahendra College of Engineering, Salem on 06.04.2023.
- M.Hariharan, K.Manoj Prabhakaran, III ECE participated in an "Idea Presentation" organized by the Department of Biomedical Engineering, Mahendra College of Engineering, Salem on 06.04.2023.
- G.Anusuya, B.R.Gunaksha III ECE participated in Project Contest "Cipher Security with Blockchain" Organized by Innofesta'23, Velammal College of Engineering and Technology, Madurai on 13.04.2023
- B.Akshaya Rajasri, Sakthi Sree, III ECE participated in Project Contest "AI Based colon Cancer Classification" Organized by Innofesta'23, Velammal College of Engineering and Technology, Madurai on 13.04.2023
- A.Anbarasan, B.Bharath Adhithyan, P.Harris Babu, A.Manoj B.Bala Vignesh, R.Muthu Ganesh, II ECE participated in the workshop on "Electric Vehicles" organized by the Thiagarajar College of Engineering on 12.04.2023.
- S.Dhinesh Kumar, K.Kalyanasundaram participated in the National Level Technical Symposium - Coding contest, Technical Quiz and Debugging event organized by Hindusthan College of Engineering and Technology on 13.04.2023.
- A.Mutheeswari, K.S.Muthu Sathiya, A.Sabika Thusleema, M.Sivasakthi, S.Suvalakshmi, E.Uma Maheswari II ECE participated in Paper presentation, Technical Quiz, Code debugging and Treasure Hunt organized by STASY2023, Francis Xavier Engineering College, Tirunelveli, 17.04.2023.
- M.Sivasakthi, S.Suvalakshmi II ECE won II Prize in Paper presentation organized by STASY2023, Francis Xavier Engineering College, Tirunelveli on 17.04.2023.
- R.Shree Harish, K.Naveen II ECE participated in Think tank talks(Paper presentation), Binary Brawl(Technical quiz + code debugging + algorithm writing) organized by SRM Ramapuram campus, Chennai on 21.04.2023

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- S.Siva Sankaran, G.Suresh Kumar, P.Vignesh Raj II ECE participated in Techtrivia organized by SRM Ramapuram campus, Chennai on 21.04.2023
- M.R.A.P.Satheesh Kumar, S.Saswath Vel, II ECE participated in What's the idea (Paper presentation), Funtech (Technical quiz) organized by SRM Ramapuram campus, Chennai on 21.04.2023
- R.Sanjai, II ECE participated in Riddle mania (Technical), Move it lift it shake it (Non-Technical) organized by SRM Ramapuram campus, Chennai on 21.04.2023
- G.Kumutha and Meera Yasmeen.M II ECE-A won II prize in Treasure Hunt Organized by Department of ECE, Francis Xavier Engineering College, Tirunelveli on 17.04.2023
- G.Kumutha and Meera Yasmeen.M II ECE-A participated in Treasure Hunt Organized by Department of ECE, Francis Xavier Engineering College, Tirunelveli on 17.04.2023
- G.Kumutha and Meera Yasmeen.M II ECE-A participated in Technical Quiz Organized by Department of ECE, Francis Xavier Engineering College, Tirunelveli on 17.04.2023
- G.Kumutha and Meera Yasmeen.M II ECE-A participated in Code Debugging Organized by Department of ECE, Francis Xavier Engineering College, Tirunelveli on 17.04.2023
- G.Kumutha II ECE-A participated in Workshop on IOT Organized by Department of ECE, Francis Xavier Engineering College, Tirunelveli on 17.04.2023
- Hariharan, Alagu Sundar, III ECE, secured Third Prize in the event "Wifi Talking Robots" in the national-level technical symposium at Kongu Engineering College, Perundurai, on April 25, 2023.
- Dhameena Ismail, S. Lakshana, III ECE, won the Best Paper Award for the paper "Long-Term Preservation of Fruits and Vegetables without Human Intervention" in the National Conference on Engineering and Scientific Innovations on April 28, 2023.

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- V. Maha Vidhya, B. Jeyarudhra, and Gokulpriya, III ECE, secured the Second Prize in paper presentation in the national-level technical symposium. TECHAZURA, Hindusthan College of Engineering and Technology, Coimbatore, April 26, 2023
- S. Shobha, R. Thanusa Bharathi, II ECE Won second prize in code debugging in the symposium TECHFIRM'23 at Francis Xavier Engineering College, Tirunelveli, on April 26, 2023.
- V.Thivyaa and L.Kavitha, II ECE, won First Prize in the Event CO-DECODE in the Symposium TECHFIRM'23, Francis Xavier Engineering College, Tirunelveli, on April 26, 2023.
- R. Malathi, T. Kisola, and II ECE Won First Prize in the Event "Boomerang" in the Symposium TECHFIRM'23, Francis Xavier Engineering College, Tirunelveli, on April 26, 2023.
- Pothi Mathavan, II ECE, won second prize in the photography event organised by Codefest 2K23 at Karpaga Vinayaga College of Engineering and Technology, Chennai, on April 28–29, 2023
- Divya Sree, S.Aarthi, M.Akila, III ECE, R.Rajalakshmi, M.Muthu Gokila, and K.Siva Krithika, II ECE, participated in the National Level Technical Symposium TECHAZURA, Hindusthan College of Engineering and Technology, Coimbatore, April 26, 2023.
- Yogesh, M.Nagaraj, M.Yogeshwaran, S.Sastha Venkatesh, V.Pontamilselvan, P.Nithish Kumar, M.Pothi Mathavan, S.Girishkumar, J.Guruprakash, C.Mukesh Kanna, and S.Dharshan II ECE participated in Codefest 2K23 at Karpaga Vinayaga College of Engineering and Technology, Chennai, on April 28–29 April 2023.
- V.Thivyaa, R.Inika, M.B.Dhivya Sri, L.Kavitha, A.Adheeba Banu, C. Mohanakirtheha, T.Dhivya Dharshini, T.Kisola, and R.Malathi, II ECE, participated in the symposium TECHFIRM'23 at Francis Xavier Engineering College, Tirunelveli, on April 2023.
- Karthikeyan, M. Manikandan, G. Karuppiah, R. Ganesh, K. Abhishek, M. Marimuthu, and B. Jebapriya II ECE participated in the Workshop on "Cloud Computing and Mobile Technology" organised by Anna University Regional Campus on April 25, 2023.

## STUDENT ACHIEVEMENTS/PARTICIPATION

### Events Attended

- Arasan, N. Bhagavathy Raja, II ECE, participated in the symposium-VIOZEPHYRS' 23, Saveetha Institute of Medical and Technical Sciences, Chennai, on April 25, 2023.
- M.Ponmani, I ECE B won gold medal in 21st Virudhunagar District Taekwondo tournament held at Rajapalayam on 18.06.2023.
- B.Vijayashree & B.P.Vishnuh, I ECE B won silver medal in 21st Virudhunagar District Taekwondo tournament held at Rajapalayam on 18.06.2023.



### Student Online Course Completion

- Mr.C.Sakthivinayagam, II ECE completed an online mini course on “Clean and Green Campus” offered by IUCEE on 07 Aug., 2022.
- Ms.S.Monica, III ECE completed an online course on “Python for Machine Learning” offered by Great Learning on 06 Oct., 2022.
- Ms.K.Priyadharshni, III ECE completed an online course on “Data Science Foundations” offered by Great Learning on 04 Oct., 2022.
- Ms.K.Priyadharshni, III ECE completed an online course on “Visual Graphics in C” offered by Great Learning on 04 Oct., 2022.
- Ms.R.Shrinithi, III ECE completed an online course on “OOPS in JAVA” offered by Great Learning on 04 Oct., 2022.
- Ms.R.Shrinithi, III ECE completed an online course on “Basics of Machine Learning” offered by Great Learning on 06 Oct., 2022.
- G.Muthukumar, II ECE completed an online course on “The Fundamentals of Digital Marketing” offered by Google Digital Garage on 29 Oct., 2022.
- S.Shriram, II ECE completed an online course on “The Fundamentals of Digital Marketing” offered by Google Digital Garage on 24 Oct., 2022.
- N.Yuvaraaj, III ECE completed an online course on “Image Processing Onramp” offered by MathWorks on 26 Oct., 2022.
- M.Muthukumar, II ECE completed an online course on “The Fundamentals of Digital Marketing” offered by Google Digital Garage on 02 Nov., 2022.
- R.Puvanesh, II ECE completed an online course on “The Fundamentals of Digital Marketing” offered by Google Digital Garage on 04 Nov., 2022.
- R.Ashokkumar, III ECE completed an online course on “Front End Development - HTML” offered by Great Learning on 05 Nov., 2022.
- Ms.R.Sangeetha, II ECE completed an online course on “Introduction to Machine Learning” offered by Infosys on 30 Nov., 2022.
- Mr.C.Sakthivinayagam, II ECE completed an online course on “United Nations Sustainable Development Goal 7” offered by IUCEE on 30 Dec., 2022.
- Mr.E.Jackson, III ECE completed an online course on “My SQL Basics” offered by Great Learning on 10 Jan., 2023.
- Mr.E.Jackson, III ECE completed an online course on “Hands-On Machine Learning with Python and Scikit-Learn” offered by Infosys Springboard on 13 Jan., 2023.

## ONLINE COURSES

- S.Nishaan, I ECE, “Python (Basics)”, Infosys Springboard
- S.Nishaan, I ECE, “Python Classes & Inheritance: Working with Inheritance in Python”, Infosys Springboard.
- S.Nishaan, I ECE, “Principles of IoT & Python Basics”, Infosys Springboard
- M.Malini Selvi, I ECE, “MATLAB Onramp”, MathWorks
- Ms.J.Dheerga Lakshmi Shri, I ECE completed an online course on “MATLAB Onramp” offered by MathWorks on 25 Jan., 2023.
- Mr.K.Manoj Prabhakaran, III ECE completed an online course on “Python Essentials 1” offered by CISCO on 11 Mar., 2023.
- Ms.S.Vaishnavi, III ECE completed an online course on “Data Structures in C” offered by Great Learning on 11 Mar., 2023.
- Ms.I.Aswathi, I ECE completed an online course on “Big Data and AI” offered by Great Learning on 25 Mar., 2023.
- Mr.G.Muthukumar, II ECE completed an online course on “UI/UX for Beginners” offered by Great Learning on 25 Mar., 2023.
- Ms.M.Sivaranjini, III ECE completed an online course on “MATLAB Onramp” offered by MathWorks on 31 Mar., 2023.

**PLACEMENT****LIST OF STUDENTS PLACED IN 2019-2023 BATCH**

S.No	Student Name	Employer Details	Salary Package Details
1.	ABINAYA S	Maxvy Semiconduct Technologies	3.5 LPA
2.	ABIRAMI V	QSPIDER	2 LPA
3.	AKILANDESWARI K	SMI	2.4 LPA
4.	AMUDHADEVI A S	Renault Nissan	4.25 LPA
5.	ARAVIND M	QSPIDER	2 LPA
6.	DEEPAK CHAKRAVARTHI P	TCS	7 LPA
7.	DHARINI A	RAMCO SYSTEMS	4 LPA
8.	DHARSHINI K	ETHUNUS	2.60 LPA
9.	DHARSHINI P	RAMCO SYSTEMS	4 LPA
10.	ELAVARASI A	Data Pattern	4.24 LPA
11.	GAAYATRI V S	Data Pattern	4.2 LPA
12.	GIRITHARAN D	Aspire System	4 LPA
13.	HARIHARAN S	TCS	3.36 LPA
14.	INDHUMATHI C	Aspire System	4 LPA
15.	ISHWARYA R	Renault Nissan	4.25 LPA
16.	JEYAGOMATHI S	Maxvy Semiconduct Technologies	3.35 LPA
17.	JISHA P S	ETHUNUS	2.6 LPA
18.	KALIDAS P	ZOHO	7 LPA
19.	KAVIN KUMAR R	CTS	4 LPA
20.	KAVIYA S	Avasoft	5 LPA
21.	KAVYA P	QSPIDER	2 LPA
22.	KEERTHIKA B	Avasoft	5 LPA

## PLACEMENT

S.No	Student Name	Employer Details	Salary Package Details
23.	KESAVANAND M	TCS	7 LPA
24.	KESHAVA MUGESH KUMAR C M	IGARISH MOTORS	2 LPA
25.	LINGESH S	Aspire System	4 LPA
26.	LOGGAA SRI AGITHA K	RAMCO SYSTEMS	4 LPA
27.	KUMARAGURU-PARAN A	TCS	3.36 LPA
28.	MAHENDRA PRA-KASH R	Aspire System	4 LPA
29.	MARIMUTHU B	IGARISH MOTORS	2 LPA
30.	MONIKA R	Avasoft	5 LPA
31.	MUGESH M	QSPIDER	2 LPA
32.	NAMASIVAYAM T	Tessolve Semiconductor	4 LPA
33.	NAVEEN KUMAR S	Qspiders	2 LPA
34.	PADMA PRIYA C	Avasoft	5 LPA
35.	PRADEEP C	RAMCO SYSTEMS	4 LPA
36.	PRAKATHI S	CTS	4 LPA
37.	RAMESH KUMAR K	Avasoft	5 LPA
38.	SABRIYAH M	Avasoft	5 LPA
39.	SAI VISHNU L	Avasoft	5 LPA
40.	SARAVANAKUMAR	Qspiders	2 LPA
41.	SEETHADEVI M	Terv	3 LPA
42.	SHANMUGAVISAL	RAMCO SYSTEMS	4 LPA
43.	SNEHA P	Avasoft	5 LPA
44.	SUSHMITHA K	CTS	4 LPA
45.	VAISHNAVI M	Avasoft	5 LPA

## PLACEMENT

S.No	Student Name	Employer Details	Salary Package Details
46.	VIJAYALAXMANASEN A	Maxvy Semiconduct Technologies	3.35 LPA
47.	VIJAYASANKARI P	RAMCO SYSTEMS	4 LPA
48.	BALAJI S	IGARISH MOTORS	2 LPA
49.	NAVEEN AJAYKUMAR T	ETHUNUS	2.6 LPA

## HIGHER STUDIES

### LIST OF STUDENTS PROGRESSED TO HIGHER EDUCATION FROM 2017-2021 BATCH

S.No	Student Name	Name of the Institution	Program Admitted To
1.	Nhidhees Laksh Kumar	Coimbatore Institute of Technology	M.E (ERTS)
2.	S V Shanmuga Vishal	PSG Institute of Technology	M.E. (VLSI)
3.	R Priyadharshini	SRM Institute of Technology	MBA
4.	K Dharshini	Mepco Schlenk Engineering College	MBA

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