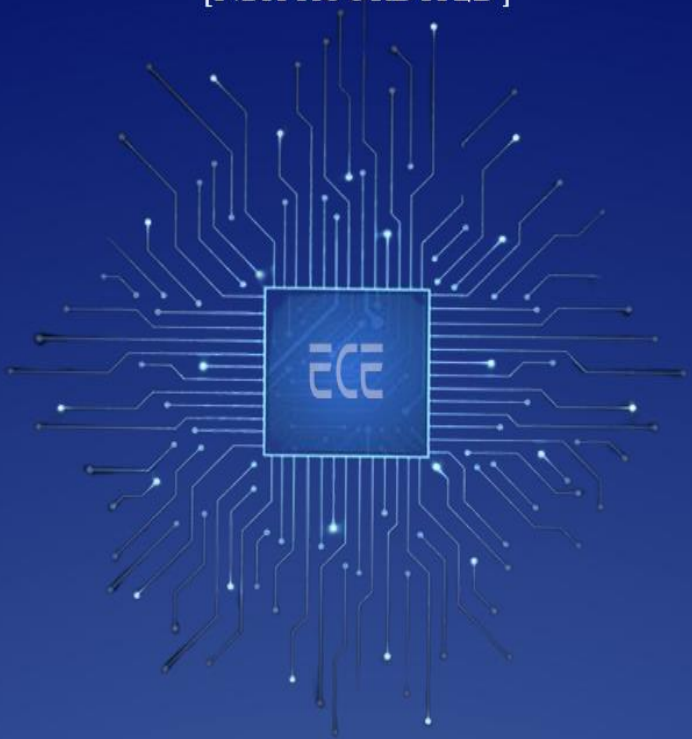
THANTHAI PERIYAR GOVERNMENT INSTITUTE OF TECHNOLOGY

VELLORE - 632 002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Proudly Presents

[NBA ACCRDITED]



SOUVENIR

THE NATIONAL LEVEL TECHNICAL SYMPOSIUM

EPULZ 2K24

ENCOURAGING PEOPLE TO UNDERSTAND THE LEVEL TO BEST

28-FEB-2024

CONTENTS

ABOUT THE COLLEGE

Thanthai Periyar Government Institute of Technology is not merely another engineering college producing hordes of engineering graduates year by year. It is more than a center of learning and home to a diverse community of innovators and entrepreneurs.

Our college is the fifth Government engineering college established by the Government of Tamilnadu in July1990,started uniquely from Fourth year to First year. Our campus spread over a sprawling 23 acres of land and is comfortably located away from the din and bustle of the city. The college offers UG courses in regular and part time mode and PG courses in regular mode. It is recognized by AICTE and affiliated permanently to Anna University, Chennai. Our College is a premier institute of its kind, offering four year B.E. degree courses in five engineering branches, namely Civil Engineering, Electronics & communication Engineering, Mechanical Engineering, Electrical and Electronics Engineering, Computer Science and Engineering, four post graduate courses viz M.E.(Applied Electronics) and M.E.(Manufacturing Engineering)of two years duration and M.C.A. of three year duration and Part time B.E. courses in Electronics & Communication Engineering and Mechanical Engineering and M.E.(Structural Engineering). Each department is housed in different blocks, namely, administrative block, civil engineering block, mechanical engineering block, Electronics and communication

engineering block, Electrical and Electronics engineering block, Computer Science block, MCA block, science block and library block. Every department is endowed with state-of-art laboratories and air- conditioned seminar hall. The college library is equipped with a good deal of books and national and international journals.

PLACEMENTCELL

Placement and entrepreneurship development cell is established inside the campus to cater to the needs of the students and to equip the students to face the challenging future. The college infra-structure was enhanced with Rs.10crore under TEQIP-Phase I. The college has campus-wide net-working facility.

It is a remote center for e-yantra recognized by IIT-Bunder MHRD, Coordinated by **Dr.T.Suja,M.Tech.,Ph.D.,** about **130 students** of our college got placed in reputed companies like TCS, WIPRO, EXCELACOM, FACILIO, ECON SYSTEMS, ADMINDROID, VIRUTSA, SMOAD NETWORKS, FALCONX, INFOSYS, QUEST GLOBAL, BYJUS, CAPGEMINI, KPIT, RELIANCE INDUSTRIES, MINDTREE TECHNOLOGIES,PROTHIOUSENGINEERINGSERVICES,MPHASIS,REVATURE, ZUCISYSTEMS,RNTBCI,SIMULUSAUTOMATION,SMARTDV,NEEYAMO,HCL, FOXCONN.

That college also has research facilities and produced a number doctorates various discipline. Technical symposium like TECHNOCRAT, MEKBLAZE, EPULZ, TEKWIZ and MPEC are being conducted to bring out the hidden talent of the student in their respective domain. The professional body ISTE promotes the technical skills and the non-professional bodies such as YRC, NSS, Fine arts, Tamil mandram nurtures social responsibilities among students. Besides, the college has separate hostels for boys and girls and other facilities gymnastic center, in and outdoor games, canteen and ATM.

NBA

Three UG departments of our college have been accredited by NBA (National Board of Accreditation), New Delhi for the period from the academic year 2022 to 2024.

TNEA FACILITATION CENTER

A total of 42 TNEA (Tamil Nadu Engineering Admissions) facilitation centers (TFCs) have been established for Engineering admissions from the year 2018 and our institute is one of the 42 TFCs. Our institute has helped the applicants for online registration, filling of applications, payment of fee, and certificate verification.

Vision of the Institute

- To provide high quality learning environment through innovative teaching and promote research to produce globally competitive engineers of excellent quality.

Mission of the Institute

- To offer education programs that blend intensive technical training with appropriate guidance inculcating analytical skills and problem-solving ability with high degree of professionalism.
- To provide healthy environment with excellent facilities for learning research and innovative thinking.
- To educate the students achieve their professional excellence with ethical and social responsibilities.

PROGRAM EDUCATIONAL OBJECTIVES

PEO	Statements
PEO1	Prepare students to excel in their chosen career through holistic education.
PEO2	Integrate fundamentals and up-to-date approaches derived from engineering sciences and practice to accomplish professional development in a responsive and innovative manner.
PEO3	Prepare students for innovative design, simulation, development, implementation and testing of hardware and software components to offer Solutions to real time problems.
PEO4	To demonstrate effective communication skills, in still the ability to perform either individually or as part of a team, who have embraced life long learning Values for continuous, self and professional or career development
PEO5	To inculcate ethical and moral behavior with social responsibilities to students.

ABOUT THE DEPARTMENT

Vision of the Department

- To create a center of excellence in Electronics and Communication Engineering for imparting technical expertise of the highest order and to provide career focused programmes to produce globally competent professionals.

Mission of the Department

- To provide high quality, accessible and industry interactive academic programs.
- To promote professional leadership through teaching and learning excellence.
- To excel in new technologies through enhancement to research activities.

Electronics and Communication Engineers are re-inventing the world by finding creative ways to take the devices and systems of today, into the future furthering research in everything from alternative energy sources to generic, smart chip design, hardware and software development, system integration and medical imaging.

From nanotechnology to gigantic structures and networks, Electronics and communication Engineers are involved in the design of devices that allow new frontiers to be explored. The program in Electronics and Communication Engineering at Thanthai Periyar Government Institute of Technology aims at providing students with a broad grounding in this vital field. In recent years, electronics over the world has made unprecedented growth in terms of new technologies, new ideas and principles. The rate of obsolescence of technologies also has been extremely high. Researchers, academicians, industries and the society at large have to work in unison to meet the challenges of the rapidly growing discipline. The research organizations and industries that work in this frontier area are in need of highly skilled and scientifically oriented manpower. This manpower can be available only with flexible, adaptive and progressive training programs and a cohesive interaction among the research organizations, academicians and industries.

The Department of Electronics and Communication Engineering at Thanthai Periyar Government Institute of Technology, is a vibrant department with a student-centered approach to education. The AICTE sanctioned in take to the department is 120 per year. To this effect, the department has a series of special initiatives to support students that include tutoring and mentoring of students, an active staff-student communication forum, implementation of the most current teaching technologies and conduct of National and International seminars and conferences. Our faculty is second to none and work extremely hard to ensure that faculty and students have necessary and sufficient access to required equipment, facilities and advising resources to meet their varied academic needs. If being part of a profession that finds solutions to virtually every problem encountered by modern society appeals to you, then you are invited to consider Electronics and Communication Engineering at Thanthai Periyar Government Institute of Technology for your career choice.

The vibrant students of the department involve themselves in organizing various events in the department and college. The students of the department take active part and won various prizes in the various symposium outside the college and they also under take various in-plant trainings in the industry and also regularly undertake industrial visits.

The department has got highly qualified and talented faculty members to nurture and enrich the knowledge of the students.

FACULTY	DESIGNATION
Dr.S.Letitia, M.E., Ph.D.,	**Professor & Head of Department**
Dr.J.Sundaravanan,M.E.,Ph.D.,	**Associate Professor**
Dr.B.Senthil Murugan,M.E.,Ph.D.,	**Assistant Professor (Selection Grade)**
Prof.S.Krithiga,M.E.,	**Assistant Professor**
Dr.M.Manimegalai,M.E.,Ph.D.,	**Assistant Professor**
Prof.R.Bharathiraja M.E.,	**Assistant Professor**
Prof.M.Janani M.E.,	**Assistant Professor**
Dr.R.Dhanalakshmi,M.E.,Ph.D.,	**Associate Professor**
Dr.S.Sathishbabu,M.E.,M.B.A.,Ph.D.,	**Associate Professor**
Mrs.M.Geetha,M.E.,	**Assistant Professor**
Mr.J.Vinoth Kumar,M.E.,	**Assistant Professor**
Mr.R.Kesavraj,M.E.,	**Assistant Professor**
Mrs.M.P.Sasirekha,M.E.,M.B.A.,	**Assistant Professor**
Mrs.D.D.Devisasikala,M.Tech.,	**Assistant Professor**
Mrs.E.Manjula,M.E.,	**Assistant Professor**
Mrs.K.Tamilarasi,M.E.,	**Assistant Professor**
Mr.A.K.T.Sathishkumaar,M.E.,	**Assistant Professor**
Mrs.V.Poonthamil,M.E.,	**Assistant Professor**
Mr.P.Karthikeyan,M.E.,	**Assistant Professor**
Mr.S.Sabari rajan,M.E.,	**Assistant Professor**

INDIAN SOCIETY FOR TECHNICAL EDUCATION:

- About 350 students and 4 Faculties of ECE holds the membership of ISTE.

INNOVATIVE LEARNING

S. No	Year/Sem	Sub Code & Name	Reviewers
1.	IV/III	CEC350- RF Transceiver	Prof.R.Bharathiraja
2.	II/III	CS3491- Artificial intelligence and Machine Learning	Prof. B. Senthil Murugan
3.	II/III	CBM368- Therapeutic Equipments	Dr.S.Sathishbabu
4.	III/V	EC3351- Control Systems	Dr.R.Dhanalakshmi
5.	IV/VII	CEC355- Software Defined Radio	Dr.M.Manimegalai

FACULTIES CONTRIBUTION TO THE RESEARCH WORK

Name of the scholars done Ph.D., under the guidance of **Dr. J. SUNDARAVANAN**

Sl. No.	Name	Title
1.	Mr.Vinothkumar J	Energy Efficient Data Transmission To Enhance Network Lifetime Of Wireless Sensor Networks
2.	Mrs.Shanthamathi K S	Traffic Detection In Wireless Sensor Networks
3.	Mrs.Geetha M	Energy Efficiency Algorithms with minimal detection time for rare event detection in Wireless Sensor Networks

Name of the scholars done Ph.D., under the guidance of **Dr.B.SENTHIL MURUGAN**

Sl. No.	Name	Title
1	Mr. Ganesan V	Adaptive signal processing
2	Mrs. Keerthi Kumar D.N	Adaptive signal processing

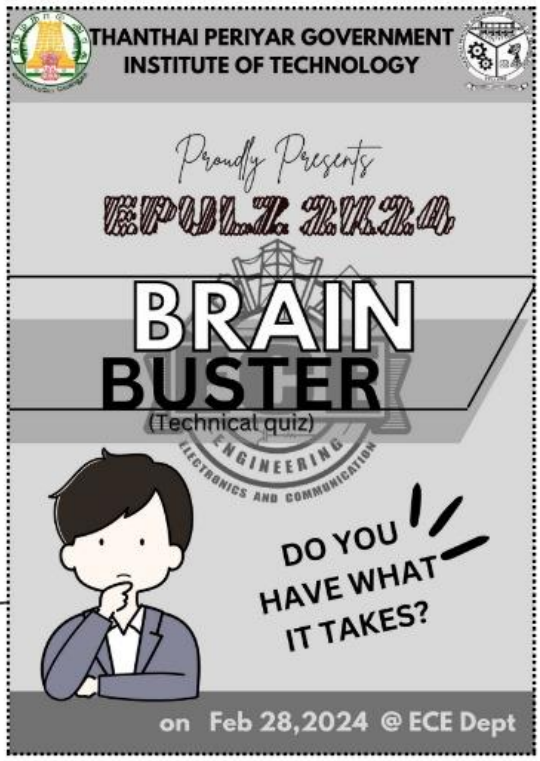
ABOUT THE SYMPOSIUM EPULZ 2K24

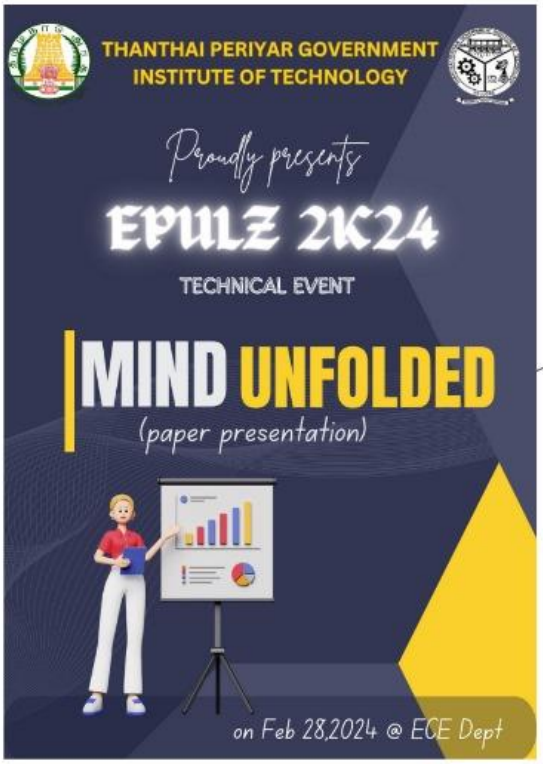
Hearty and warm greetings from Team EPULZ 2k24 …! The National Level Technical Symposium conducted by Department of Electronics and Communication Engineering at Thanthai Periyar Government Institute of Technology, EPULZ 2k24 has become true to its tagline, “Unlock your Talents”, synonymous with they early clash among the best from the student world. The main objective is to encourage students to exhibit their technical skills in various events both technical and non-technical.

It provides a platform to numerous talented students across the country to exhibit their scientific dexterity and spread the spirit of youth by uniting young minds from various colleges under the banner of Engineering and Technology.

The various events in symposium are:-

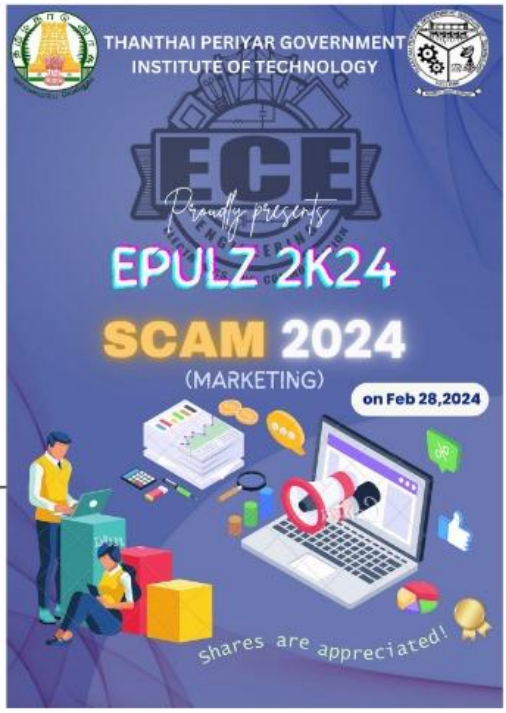
TECHNICAL EVENTS

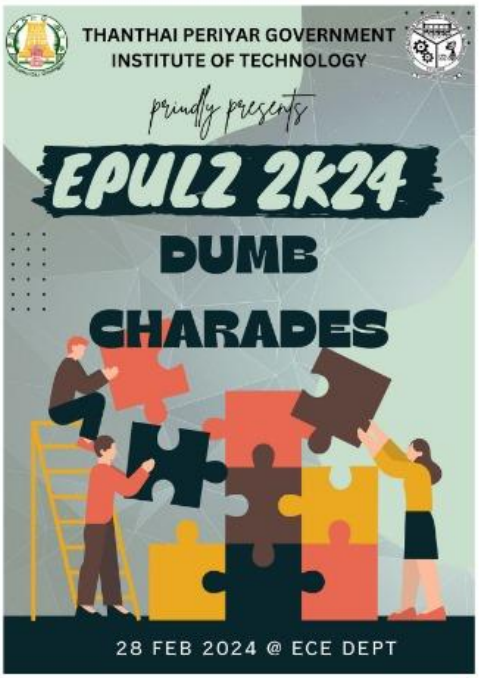




The various events in symposium are:-

NON-TECHNICAL EVENTS





CHIEF GUEST

Mr. Anandhan M

Sr. Staff Engineer,

Qualcomm Technologies, Bangalore.

Mr. Anandhan is Alumni of Thanthai Periyar Government Institute of Technology, Vellore. He completed his B.E in 2004 from TPGIT, Vellore and his M.E in 2006 from College of Engineering Guindy, Anna University.

Mr. Anandhan has been qualified for GATE in 2004 & 2006. At present he is a Senior Staff Engineer at Qualcomm Technologies, Bangalore. He has worked on 25 successful chips for mobile, computer, automotive, AR/VR chips, etc…

Mr. Anandhan has 18 Years of Experience in companies like Qualcomm, Texas Instruments, AMD, Intel Mobile Communications, Etc in Frontend Design, Synthesis, Implementation and STA.

PILLARS OF ECE ASSOCIATION

PRINCIPALANDPATRON
Dr.P.K.PALANI,B.E.,(HONS).,M.E.,Ph.D.,
PRESIDENT/HOD
Dr.S.LETITIA, M.E., Ph.D.,PROFESSOR&HEAD
CO-ORDINATOR&TREASURER
Dr.B.SENTHIL MURUGAN,M.E.,Ph.D.,M.E.,ASSISTANT PROFESSOR
FINALYEARSECRETARY
Mr.JEEVANANDHAM M
Ms.MAHALAKSHMI M
Mr.SUJITH BARATHI M
Ms.ROSHINI V
THIRDYEARJOINTSECRETARY
Mr.DEVARAJ S
Ms.BHAVANI R
Mr.SREEHARSH A
Ms.RADHIKA M
SECONDYEARASSISTANTSECRETARY
Mr.EZHILRSAN P K
Ms.DIVYA SRI M
Mr.YOGESHWARAN S
Ms.SHARMILA S

MESSAGE FROM THE DESK

FOREWORD OF THE PRINCIPAL TO THE SYMPOSIUM PROCEEDINGS

Dr.P.K.PALANI,B.E.,(HONS).,M.E.,Ph.D.,

PRINCIPAL, TPGIT, VELLORE

My deepest greetings to all authors, participants and organizers of the National Level Technical Symposium titled EPULZ 2K24 held in the Department of Electronics and Communication Engineering of Thanthai Periyar Government College of Technology, Vellore. It is with heart felt satisfaction that I pen this felicitation message to the symposium proceedings of EPULZ 2K24 held on, February 28th 2024. I am quite happy to note that the ECE Association is actively conducting activities like webinar, symposium to enrich students, research scholars and academicians in the latest technologies like artificial intelligence, machine learning, and deep learning. In addition, the future world is becoming wireless, a cutting-edge technology which is growing at breath taking pace. I want to express my wishes to the student volunteers of the organizing Committee, faculty members of the organizing Committee, and the paper reviewers for their hard work in reviewing submissions.

Hope this symposium proceedings will be an impetus to stimulate further study and research among the budding engineers and young authors and serve as a guide book.

MESSAGE FROM VICE PRINCIPAL/HOD CIVIL ENGINEERING

DR.J.SREERAMBABU,Ph.D.,PDF.,

VICEPRINCIPAL,PROFESSOR&HOD,CIVIL

Greetings to all authors, participants and organizers of the National Level Technical Symposium titled EPULZ 2K24 held in the Department of Electronics and Communication of Thanthai Periyar Government College of Technology, Vellore. It is with deep sense of satisfaction that I write this facilitation to the symposium proceedings of EPULZ 2K24 held on, February 28th 2024. I am quite happy to note that the Electronics and Communication Engineering Department continues its tradition of bringing together students, research scholars and academicians from this part of the country to enhance the interaction between them. I want to express my wishes to the student volunteers of the organizing Committee, faculty members of the organizing Committee, and the paper reviewers for their hard work in reviewing submissions. Hope this symposium proceedings will be an impetus to stimulate further study and research among the budding engineers and young authors and serve as a reference book.

I wish this symposium a grand success.

MESSAGE FROM HOD ECE

Dr.S.LETITIA, M.E., Ph.D.,

PROFESSOR & HOD, ECE

I am glad to share that our Electronics & Communication Engineering Department is organizing a ***National Level Technical Symposium*** – **EPULZE 2024** on 28th February, 2024.

In a rapidly changing world scenario of technological development, the improvement in the overall quality of higher technical education is the need of every hour. The Faculty, Staff and students of this Department are taking every effort in imparting quality technical skills and have introduced various programmes enabling the budding Engineers to acquire relevant skill set to meet the updated demands of Hardware and Software Industries in our country.

I greet my dear Faculty, staff and Students of Electronics & Communication Engineering Department, TPGIT, Vellore to achieve every success in their Mission.

MESSAGE FROM HOD MECHANICAL ENGINEERING

Dr. P. PRAVEEN RAJ, ME., Ph.D.,

PROFESSOR&HOD,MECHANICAL

I am happy very glad to know that the Department of Electronics and Communication Engineering is organizing the prestigious annual event National Level Technical Symposium EPULZ 2k24 this year also.

I believe that the symposium will offer an ideal opportunity for bringing out the hidden talents of the students and also for sharing their vision on the latest technology.

I congratulate the organizer of the symposium for having taken pains taking efforts in enlightening the young minds for becoming the best engineer and technocrat

I wish the organizer a grand success.

MESSAGE FROM HOD MATHEMATICS

Dr.D.BABU,M.Sc,M.Phil.,B.Ed.,Ph.D.,

PROFESSOR & HEAD, MATHEMATICS

It gives me immense pleasure that Electronics and Communication Engineering Department of Thanthai Periyar Government Institute of Technology, Vellore is organizing a National level Technical Symposium EPULZ 2K24 on 28th February 2024.

By organizing such a Symposium, I am sure that the students will be exposed to the latest developments and Technologies in this field. In addition, they can develop their personal skills.

I wish this Symposium a grand success.

MESSAGE FROM HOD PHYSICS

Dr.S.MURUGAVEL,M.Sc.,M.Phil.,Ph.D.,

PROFESSOR & HEAD, PHYSICS

I am delighted to know that the Department of Electronics & Communication Engineering is organizing a National Level Technical Symposium EPULZ 2K24 on 28th February 2024. Further, this symposium will give an opportunity for inquisitive minds to explore the new vistas utilizing their technical skills & enhance their knowledge in the field of Electronics and Communication Engineering.

Certainly, this technical symposium will wipe out the ignorance and create awareness to shine as the best engineer.

I wish this symposium a grand success!

MESSAGE FROM HOD CHEMISTRY

Dr. N. KALAIVASAN, M.Sc., Ph.D.,

PROFESSOR&HEAD,CHEMISTRY

I am delighted to know that the Department of Electronics and Communication Engineering in Thanthai Periyar Government of Technology, Vellore is organizing a National level Technical Symposium, 'EPULZ 2K24' on 28thFebruary 2024.

By organizing such a symposium, I am sure that the students will be exposed to the latest developments and Technologies with good technical skill & knowledge in the field of Electronics and Communication Engineering.

I wish the symposium a grand success!

MESSAGE FROM HOD ENGLISH

Prof.K.KARTHIKEYAN, M.A.,M.Phil.,

PROFESSOR & HEAD, ENGLISH

I am delighted to know that the Department of Electronics & Communication Engineering is organizing a National Level Technical Symposium EPULZ 2K24' on 28thFebruary 2024. In fact, this grand finale is an opportunity for the budding engineering graduates to share their awe- inspiring technical skills & knowledge in the field of Electronics Engineering. Certainly, this symposium will be a beacon to the analytical minds to garner new ideas. Surely, this platform will enlighten every one and shape them to be the best Electronics Engineers such that they could find solutions to the thorniest problems of the globe.

I wish the symposium a grand success!

SYNOPSIS

S. No	TITLE PRESENTED / NAME OF THE PARTICIPANTS/ DEPARTMENT/ NAME OF THE COLLEGE	ABSTRACT
1.	**SMART AND PROTECTIVE HEADGEAR** Hemaprabha T,Pavithra S, Second Year, Department of Electronics and Communication Engineering **SSN collage of engineering**	**ABSTRACT:** Protective headgear is worn by riders to enhance the safety of motorcycle driving. Its primary objective is to ensure the safety of the rider by incorporating advanced features such as alcohol detection, accident identification, location tracking, hands-free operation, and fall detection. This not only transforms the helmet into a smart accessory but also contributes to the overall intelligence of the motorcycle. Wearing the helmet is mandatory as the ignition switch will not activate without it. The use of an RF Module enables wireless communication between the transmitter and receiver. If the rider is intoxicated, the ignition will be automatically locked, and a message containing the current location will be sent to a pre-registered number. In the event of an accident, a message will be transmitted via GSM along with the precise location using the GPS module. The standout feature of this project is the fall detection capability, where a message is sent if the rider falls off the bike
2.	**GARBAGE BIN LEVEL INDICATOR USING RASPBERRY PI PICOW** Indhu.V & Vasuki.P, Third year, Department of Electronics and Communication Engineering. **Adhiparasakthi College of Engineering,G.B.Nagar, Kalavai, RanipetDist**	**ABSTRACT** The main goal of this paper is to present an "IoT based Garbage bin level Indicator ". India ranks second in terms of population which is one of the causes for major production of waste. Due to an increase in urbanization, there is an equal upsurge in waste production. The problem here is with waste management. In most cities, overflowing garbage bins are creating an unhygienic environment which leads to the arise of different types of unnamed disease. An efficient smart dustbin can be used for managing waste disposed of several design models were proposed with advantages as well as disadvantages. In this project we, have developed that once the bin reaches a certain level, it also gives an alarm that the dustbin is fill, and it needs to be emptied. The major function concentrated will be of level-check, waste collection and waste detection. All the data can be viewed in the blynk app.The proposed model is cost effective and energy efficient.
3.	**SMART CAR PARKING SYSTEM BASED ON IOT** K.Nivetha, B.Shruthi, THIRD YEAR, Department of Electronics and Communication Engineering **Adhiparasakthi College of Engineering,G.B.Nagar, Kalavai, RanipetDist**	**ABSTRACT:** With increase in the population of the vehicles in metropolitan cities, road congestion is the major problem that is being faced. The user usually wastes his time and efforts in search of the availability of the free space in a specified parking area. The aim of this paper is to resolve this issue. Efficient and smart way to automate the management of the parking system that allocates an efficient parking space using internet of things technology. The IOT provides a wireless access to the system and the user can keep a track of the availability of the parking area. The parking information can be accessed by the user through the mobile application. Thus, the waiting time for the user in search of parking space is minimized. Keywords: ESP8266, ultrasonic Sensor, Firebase console, Mobile App.
4.	**MART IOT EMBEDDED WEARABLE GADGETS FOR RESCUE OPERATION** SAMINADHAN S NARESH B, Finalyear, Department of Electronics and Communication Engineering **Prathyusha Engineering College**	**ABSTRACT**: People get stuck in calamities, For the purpose to survive and retrieve, we developed a recovery backpack, a wrist band and the application to track Medical Telemetric. The recovery backpack contains PPE (personal-gear kit), and smart wristband, the backpack will be used as electric blanket. The wristband provides the communication between rescuers and victims. Smart wristband helps to alert using messages, laser, buzzer in case of emergency. The primary and secondary alerts will be sent to control room and family members. The wristband can able to locate the victims in smoky/foggy areas using laser, GPS, flashpoints. The mobile application and dashboard helps to calculate the depth in injuries of both rescuers and victims using its triage system (triage, oxygen, heart, temperature sensor).

5.	**E-NOSE TECHNOLOGY APPLICATION FOR NON-INVASIVE EARLY DETECTION OF ONION DISEASES** UMESH D,VASANTHA KRISHNAN S, Final year, Department of Electronics and Communication Engineering. **R.M.K College of Engineering and Technology**	**ABSTRACT:** Due to improper storage of onion in our country nearly Rs. 11000 Cr is lost annually. This improper storage involves not properly maintaining the storage place with proper temperature and humidity level conditions. The sprouting and rotting occurs when the humidity level required is not managed properly. Hence it is prudent to think about the storage system as well as onion sprouting detection system. To help the farmers to detect the diseases and prevent them from spoiling. • To reduce the economic loss due to wastage of onion. • To provide consumers, a better quality of onion.
6.	**BETAVOLT (BV 100)** DHAYANITHI CV, Department of EEE, **MAHENDRA INSTITUTE OF TECHNOLOGY**	**ABSTRACT** :- Beta volt is a pioneering Chinese company known for its innovative Beta volt batteries. These batteries are revolutionary in their use of beta voltic technology, harnessing the power of beta radiation to generate electricity. Unlike traditional batteries, which rely on chemical reactions, beta volt batteries utilize a semiconductor material to capture beta particles and convert their energy directly into electrical power. This unique approach offers several advantages, including long-lasting performance, environmentally friendly operation, and potentially higher energy densities compared to conventional batteries. Beta volt batteries have applications in various industries, from electronics to aerospace, where reliable and sustainable power sources are essential. With ongoing research and development, Beta volt continues to push the boundaries of battery technology, driving innovation and shaping the future of energy storage.
7.	**ENVI- TECH** Kannan Arumugam S, Department of EEE, **MAHENDRA INSTITUTE OF TECHNOLOGY**	**ABSTRACT:** As an engineer Innovating a new thing and solve a problem in our day-to-day life. but as much as the technology growing, that much of problems also growing, so instead of innovating a new thing, we want to solve a problems as an engineer. so today I am going to present about two major problems and its solution. 1. E-WASTE :-In E-waste, I specifically choose panel waste because the waste increasing day by day as power generation increases. in research they found that by 2050 there will be approx. 78 million TON of panel waste, so to avoid that a technology is invented called solar cells.Which is thinner than human hair and 100 weight of conventional electrical panel and yet they generate 18% more power than normal solar panel. 2. CO2 EMISSION:-As an electrical engineer, I want to promote the Ev for CO2 reduction but instead of doing that, has a new idea that (L3 LAMP POST) which reduces the carbon emission 50% more efficient than two 10 years grown tree. This project is based on the photo bioreactor concept with the help of microorganism called chlorella.
8.	**GOOGLE ALPHAGO** Divyadharshini S, Moulika ,Third Year, Electronics and Communication Engineering. **Ganadipathy Tulsi's Jain engineering College**	**ABSTRACT**: Alphago, AlphaGo Zero and AlphaZero Artificial intelligence (AI)is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing, speech recognition and machine vision. Computer Go is the field of AI dedicated to creating a computer program that plays the traditional board game Go. AlphaGo is a computer program that plays the board game Go It was developed by the London-based Deep Mind Technologies, an acquired subsidiary of

		Google (now Alphabet Inc.). Subsequent versions of AlphaGo became increasingly powerful, including a version that competed under the name Master. After retiring from competitive play, AlphaGo Master was succeeded by an even more powerful version known as AlphaGo Zero, which was completely self-learning from human games. AlphaGo Zero was then generalized into a program known as AlphaZero, which played additional games, including chess and shogi. AlphaGo is based on a deep neural network. This is a type of artificial intelligence that is inspired by the way the brain works. The program was designed to learn by example. It was trained by playing against other Go programs and by watching human players.
9.	**REMOTE PATIENT MONITORING: REVOLUTIONIZING HEALTHCARE DELIVERY THROUGH CONTINUOUS MONITORING** PRASANNA VENKATESH K , UMA MAGESHWARI V, Electronics and Communication Engineering. **SRI BALAJI CHOCKALINGAM ENGINEERING COLLEGE,THIRUVANNAMALAI**	**ABSTRACT:** Remote Patient Monitoring (RPM) is a transformative approach to healthcare delivery that leverages technology to monitor patients' health status remotely. With the advent of IoT devices, wearable sensors, and digital health platforms, RPM enables continuous monitoring of patients' vital signs, symptoms, and other health metrics outside of traditional clinical settings. This paper provides an overview of RPM, highlighting its significance, implementation, benefits, and challenges. RPM offers several benefits, including improved access to healthcare, enhanced chronic disease management, reduced hospitalizations, and increased patient engagement. It emphasizes the need for further research, innovation, and collaboration to overcome challenges and maximize the potential of RPM in improving patient care and healthcare delivery. In conclusion, Remote Patient Monitoring represents a paradigm shift in healthcare delivery, offering the potential to improve patient care, reduce healthcare costs, and enhance overall healthcare outcomes. Continued research, innovation, and collaboration are essential to overcome challenges and maximize the potential of RPM in transforming healthcare delivery for the better.
10.	**AUTOMATED DETECTION OF ROTTEN AND FRESH FRUIT USING CONVEYOR BELT** Swathika A, Swetha N, Final year, Department of Computer Science Engineering. **Adhiparasakthi Engineering College**	**ABSTRACT:** In the agricultural industry, efficient sorting of fruits is crucial to maintain product quality and minimize waste. This paper presents a novel approach to automate the detection of rotten fruits using a conveyor belt system integrated with a camera-based detection mechanism. The proposed system utilizes computer vision techniques to analyses images captured by the camera, identifying visual cues associated with rotting such as discoloration, mold, and texture irregularities. A Convolutional Neural Network (CNN) model is employed for image classification, trained on a dataset comprising images of both fresh and rotten fruits. The conveyor belt facilitates the continuous movement of fruits through the detection zone, ensuring real-time inspection and sorting. Experimental results demonstrate the effectiveness of the system in accurately identifying and segregating rotten fruits, thus enhancing efficiency and reducing losses in fruit processing facilities.
11.	**PESTICIDE SPRAYING ROBOT** S.BOOPALAN, B.HARISH , R.MURUGAN, Third Year, Electronics and Communication Engineering.	**ABSTRACT:** India is the farm land with a population of three-fourths in agriculture. Some technical abilities along with technological assistance are required to achieve high output and excellent quality. A robotics-based out look is basic to manual a robot platform designed autonomously to drive through the growth in an area instep with the designed idea of open structures. The proposed gadget is advanced to place into impact agricultural manufacturing. This type of device can be useful in the agriculture field where in we want to spray the pesticide to unique plant life. The robot may be beneficial in spraying pesticide and

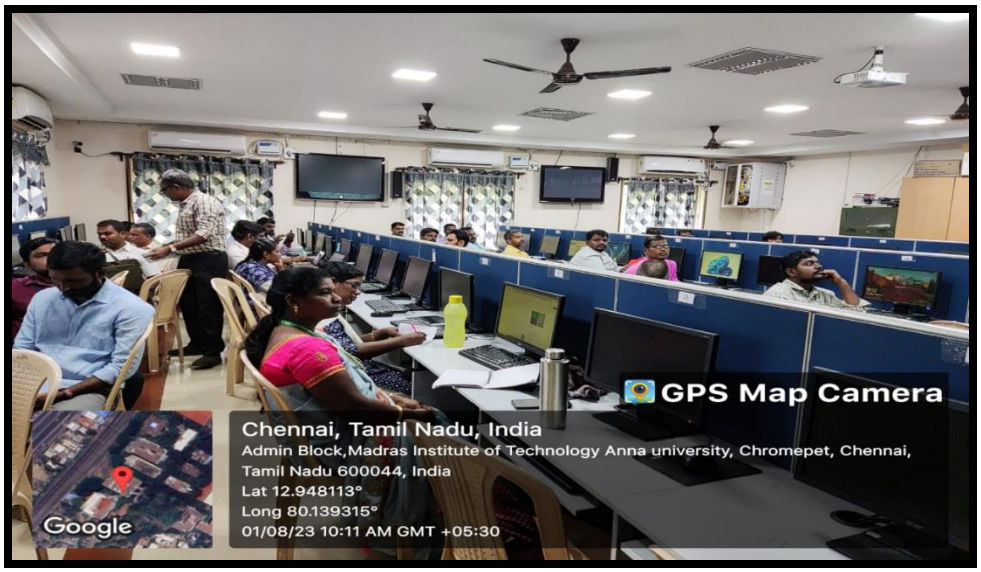
	Ganadipathy Tulsi's Jain Engineering College	crop protection products on the identical time as being managed by using the usage of a one-man or woman operating from a secure vicinity. By converting a kind of discipline used, the device may be used for spraying fertilizers, pesticide and crop safety material like manure and soon. This project is ambitious too ver come the unwell consequences of the pesticides on human beings and also used to sprinkle insecticide overlarge areas in less interval of time by using an automated aerial pesticides prayer. This can be done through taking input images using camera, analysing the musing machine learning process. This displays the disease presented on the leaf, stemorplant. This also displays the exposed area to disease and also predicts the remedies, turn on the pesticides prayer which sprays the respective pesticide on the exposed area to disease. This is very necessary for effective spraying of the pesticide
12.	**IMPLEMENTING BLACK BOX SYSTEMS FOR CARS** JOSHVANTH T,SANTHOSH B,VISHVA S,Third Year, Electronics and Communication Engineering. **Ganadipathy Tulsi's Jain Engineering College.**	**ABSTRACT:** Automobiles and computing technologies have created a new level of data services in vehicles. The Automobile Black Box has functions very similar to an airplane black box. It is used to analyse the cause of vehicular accidents and to prevent the loss of life and property arising from the vehicle accidents. This paper proposes a prototype of an Automobile Black Box System that can be installed into vehicles. The system aims to achieve accident analysis by tracking what occurs inside the vehicles. The system also involves enhancement of security by preventing tampering of the recorder data. The Arduino controllers are used to regulate the sensors. The main purpose of this paper is to develop a prototype of the vehicle black box system that can be installed into any vehicle all over the world. This prototype is often designed with minimum number of circuits. This results in constructing safer vehicles, improving the treatment of crash victims, helping insurance companies with their vehicle crash investigations, and enhancing road status so on decrease the death rate. This paper discusses the configuration and functions of the Car Black Box System. It also focuses on monitoring of real-time driving and also records and saves the monitored data for further investigation in the case of an accident. This system helps the accident investigators as well as insurance companies to find out the cause of the crash. Other features such as navigation, speed tracking and Alcohol detection are also provided in the system. The perspective of this project is to form the user feel more safety about the car and to assist knowing the particular explanation for accidents if any.
13.	**HEALTH MONITORING SYSTEM USING BODY AREA NETWORK** S. HarishKumar,R.Saravanan,C. Sivakumar, Third Year, Electronics and Communication Engineering. **Ganadipathy Tulsi's Jain Engineering College.**	**ABSTRACT:** Health has prime importance in our day-to-day life .Sound health is necessary to do the daily work properly and it is given the extreme importance now-a-days by each country with the advent of the novel corona virus. So in this aspect ,an IoT based health monitoring system is the best solution for such an epidemic. Internet of Things(IoT) is the new revolution of internet which is the growing research area especially in the health care. With the increase in use of wearable sensors and the smart phones, these remote health care monitoring has evolved in such a pace. IoT monitoring of health helps in preventing the spread of disease as well as to get a proper diagnosis of the state of

		health, even if the doctor is at far distance. In this paper, a portable physiological checking frame work is displayed, which can constantly screen the patient's heartbeat, temperature and other basic parameters of the room. We proposed a nonstop checking and control instrument to screen the patient condition and store the patient information's in server utilizing Wi-Fi Module based remote correspondence. A remote health monitoring system using IoT is proposed where the authorized personal can access these data stored using any IoT platform and based on these values received, the diseases are diagnosed by the doctors from a distance.
14.	DESIGN OF SMART CAR CONTROL SYSTEM USING FACE DETECTION BASED ON OPENCV FOR DISABLED PERSON MOULIKA S, BHARATHI S, RENUGA K **Ganadipathy Tulsi's Jain Engineering College**	**ABSTRACT:** The main aim of our project it is used for disabled driving needs for both Personal and commercial assets. Numerous different techniques have been developed owing to the growing number of Real-World Applications We aimed at developing a low-cost, real-time face detection using Open CV. We design a smart car control system using face detection. Our target was to use hardware which is very low of cost and easily available. The Arduino Uno (ATmega328P) is a Open Source Microcontroller connected to the Wireless Module for Communication using Transceiver NRF24L01. In Transmitter Section, Web camera with Power supply of source Connected to Wireless Transmitter and Receiver Module of NRF24L01. At Receiver Section, Motor Drivers provide interface for Arduino and DC Motors. As a Result, The Face Detection has controlled by all the Four Direction that is Forward, Backward, Left, and Right & Stop Side according to the input of Facial movements. In conclusion, this paper underscores the importance of effective control strategies in maximizing the performance and energy savings of wind turbine systems, with PID control emerging as a promising approach in this regard. Further research may explore advanced control techniques and optimization algorithms to further enhance the efficiency and sustainability of wind energy generation.
15.	**INTELLIGENT HELMET FOR COAL MINERS IN MINING INDUSTRY** SABARI G, VISHAL S, SIVA V **Gandipathy Tulsi's Jain Engineering College.**	**ABSTRACT:** The reason for accidents are gas explosion, gas intoxication improper use of explosives, worker slipping or falling collapsing of mine structure and improper use of equipment. The main reason for miner death is gas explosion. The proper supervision and communication is must for mining industry. This intelligent helmet provide a real time monitoring of harmful gas such as (CO, LPG, methane), person fall detection, miner wearing helmet or not , strike of an object on the head. It provides an alert to the monitoring team about miner condition when the person experienced by hazardous event. This paper has been developed for mining industry in order to detect hazardous events, reduce the mining accident and the real time surveillance of coal. To design an intelligent helmet with safety monitoring for coal miners using nRF 24L01 wireless technology. The aim is to develop a smart helmet for mining workers, which integrates multiple sensors, communication modules, and emergency features to enhance the safety of workers in hazardous working environments. The

		smart helmet incorporates a gas sensor MQ2 to detect hazardous gases, DHT11 temperature and humidity sensor to monitor environmental conditions, an emergency switch to trigger an alert in case of an emergency, a 16*2 LCD to display real-time data, and a buzzer to sound an alarm in case of a critical situation. Additionally, the smart helmet integrates a GSM modem to send emergency SMS messages to predefined numbers, GPS location tracking, and an ESP8266 WiFi module for IoT communication. The Blynk app is used for data visualization, which allows users to remotely monitor the real-time data from the helmet. Thus, the smart helmet provides an advanced safety system for mining workers, which improves situational awareness, reduces accident risks, and enables rapid response in case of an emergency. This helmet will reduce the life risk of miners during coal mining.
16.	**ADVANCED POWER GENERATION USING HUMAN FOOTSTEPS** ROSHINI M KOWSALYA M III yr, ECE. **Ganadipathy Tulsi's Jain Engineering College, Kaniyambadi, Vellore.**	**ABSTRACT:** Day by day, the population of the country is increasing and the requirement of the power is also increasing. At the same time the wastage of energy is also increasing in many ways. So, reforming this energy back to usable form is the major solution. In this footstep power generation project, we are generating power with the help of human's footsteps; this power is then used to charge battery. The power is stored in a battery that can be used to charge a mobile phone using RFID card. This system is powered by Atmega 328 microcontroller; it consists of Arduino IDE, RFID sensor, USB cable and LCD. When we power on the system, the system enters into registration mode. We can register three users. Once all the user is entered in the system then the system asks to swipe the card and connect the charger. Initially all the user is given 5 minutes of charging time as default. When we swipe the card and if the user is authorized, the system turns on for charging and will charge the Mobile phone. If the user is un authorized then the system will display as unauthorized user, just in case if the user wants to stop the charging in midway the user needs to swipe the card again. As soon as the card is swiped again, the remaining time balance is displayed and the charging stops. In order to recharge a card, we need to press recharge button which is on the system, and then system will ask to swipe the card, once the user swipes the card, it adds more 5 minutes to the particular card of the user.

EVENTS

FDP/Workshop/Training



Dr Mani Megalai attended 5 days FDP on **"Digital Marketing"** @ MIT-Anna university for Naan Mudhalvan from 31/07/23 to 4/8/23

Prof R. KesavRaj attended 5 days FDP on **"Digital Marketing"** @ MIT-Anna university for Naan Mudhalvan from 31/07/23 to 4/8/23

TPGIT College organized **SCIENCE AND TECHNOLOGY CAPACITY BUILDING FOR INDUSTRIAL NEEDS** for **Tamilnadu state council for science and Technology**, DOTE

Campus Chennai.This program is inaugurated by Vellore District Collector, **Thiru P.KUMARAVEL PANDIAN, IAS** in ECE Department.

TEACHER'S DAY CELEBRATION

Teacher's day celebration is organized by III & IV year ECE students at ECE Seminar Hall on 5/9/2023.

STAKEHOLDER MEETING

Stakeholder meeting members are Alumni, Parents, Academicians, Industry Experts and Faculty Members and it is held on 9/9/2023 at ECE Conference Hall.

EVENT for SKILL IMPROVEMENT

TPGIT College organized **SCIENCE AND TECHNOLOGY CAPACITY BUILDING FOR INDUSTRIAL NEEDS** for **Tamil nadu state council for science and Technology**, DOTE Campus Chennai.

Vellore in ECE Department on 12/09/2023.

WEBINAR

Webinar on the topic **"Basics of VLSI Design"** is organized by ECE Department in CSE Seminar Hall on 13/9/2023.The resource person for this webinar is **Dr M.Bhaskar, Professor and Head of ECE from NIT, Tiruchirappalli.**

ECE ASSOCIATION INAUGURATION

ECE Association inauguration function held on 4.10.2023 at 10:00am in the ECE department seminar hall and inaugurated by **Thiru VIVEK SRINIVASULU** ,Rockwell Automation, BANGALORE.

ALUMINI TALK

28.10.2023

வேலூர் தந்தை பெரியார் அரசு தொழில்நுட்ப கல்லூரியில் சந்திரயான் பணிகள் பற்றிய கருத்தரங்கம்

Expert Alumni talk on "**An overview of Chandrayaan Missions"** by Dr M.Shanmugam, Head of Physical Research Laboratory, Ahmedabad, Department of space, held on 26/10/23.

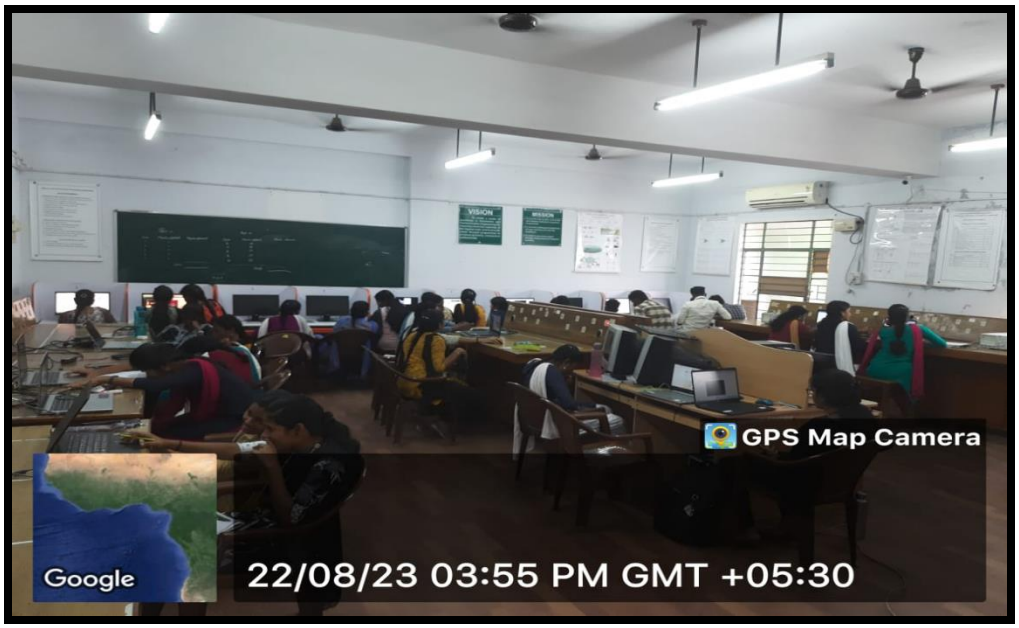
BOYS HOSTEL INAUGRATION

வேலூர் தொரப்பாடியில் உள்ள அரசு பொறியியல் கல்லூரி வளாகத்தில் புதியதாக கட்டப்பட்டுள்ள மாணவர் விடுதி நேற்று திறக்கப்பட்டது. தொடர்ந்து, மாணவர்கள் கையால் குத்துவிளக்கு ஏற்றி பார்வையிட்ட கலெக்டர் குமாரவேல் பாண்டியன். அருகில் எம்எல்ஏ கார்த்திகேயன்.

ANNUAL SPORTS AWARD function held on 15.08.2023 at 10:30am at Media Centre inaugurated **DR.J.SREERAMBABU, Ph.D., PDF.,VICE PRINCIPAL, PROFESSOR & HOD, CIVIL**

This training is organized by **RUBICON** from 7 to 9 September 2023 for all IV year ECE students at ECE Seminar Hall.

Training program on placement is organized in ECE seminar Hall to enhance the student knowledge in soft skills, held on 30/10/23



IV year

Name of the course: Digital Marketing-smart Bridge

Course coordinator: Dr M.Manimegalai, Prof R.Kesavraj

Number of students attended: 128

III year

Name of the course: IBM Clusters
Course coordinator: Dr B.Senthil Murugan, Prof J.Vinoth kumar
Number of students attended: 109

Naan Mudhalvan started for II ECE on a course **'Microsoft Essentials'.**

IBM- NM Grand Assessment conducted on 7/11/2023.

FINALYEARINDUSTRIALVISIT

Final year students visited the **RADIO ASTRONOMY CENTRE** , Ooty on 5/10/2023

THIRDYEAR INDUSTRIAL VISIT

Third year students visited the **RADIO ASTRONOMY CENTRE, Ooty** on 6/10/2023

SECOND YEAR INDUSTRIAL VISIT

Second year students visited the company **Code Blind Technologies, Coimbatore** on 30/10/23

STUDENT'S ACHIEVEMENTS

P.vignesh, IV year student has secured second place and a cash prize of Rs 3250/- in speech competition held on 11/08/2023 by **Semmozhi thamizh sangam**, Vellore.

P.vignesh, IV year student has secured second place in state level speech competition conducted by **kamban kazhagam** on 19/08/2023 with a cash prize of Rs 6500/-.

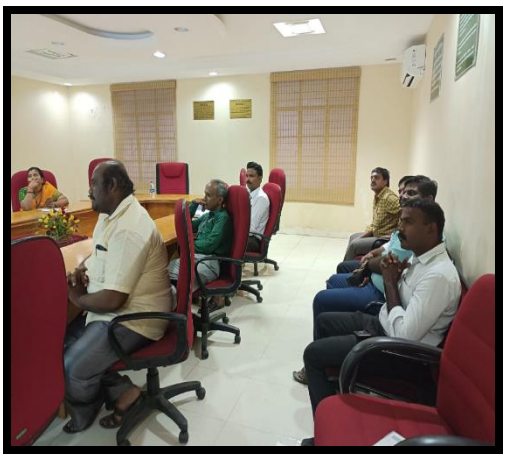
Final year student **P.Vignesh** has won **District level first prize** with call prize of Rs 10000/- in

Final year student **P.Vignesh** secured **second place** in Kamban vizha by namakkal kamban Kazhagam on 14/10/2023.

Final year student **P.Vighnesh** secured **second place** in **state level bharathiyar speech competition** held on 28/10/23

Final year student **P Vignesh** has won second place in **State level Tamil speech by DOTE and Tamil welfare department** at Anna University, and received a cash prize of Rs 15000/-.

FACULTY ACHIEVEMENTS:



Guest Lecturer Delivered by Faculty members

Prof R.Bharathiraja delivered a talk on **Stress Management** on 7/8/2023.

Dr S.Sathishbabu has been awarded **patent** for an invention titled "**A PORTABLE SUBTALAR ARTHROMETER AND A PROCESS THEREOF**" for a period of 20 years.

PLACEMENT DETAILS:

Final Year Students Have Placed In The Year 2023

Name	REG NO	DEPT	company name	salary package
ABINESH K	513120106001	ECE	Xploria	3.1 LPA
Akila R	513120106002	ECE	Instavans	4.1 LPA
Bhavani N	513120106012	ECE	Perfect electronic pvt ltd	2lpa
GOKULADHARSHINI R	513120106026	ECE	Elcompo Electronic industries private limited	2LPA
JEEVA S	513120106033	ECE	ELCOMPO ELECTRONICS INDUSTRIES PRIVATE LIMITED	2 LPA
Keerthika A	513120106701	ECE	Perfect electronics	1.8 LPA
KIRUBHA LAKSHMI S	513120106041	ECE	Perfect electronics private limited	1.8 LPA
KIRUTHIKALAKSHMI C	513120106042	ECE	Perfect Electronics Private Limited	2LPA
Manoharan Jr	513120106313	ECE	Rinex Technology	5.45 lpa
Mohan P	513120106052	ECE	Perfect Electronics Private limited	1.8 LPA
Navenkumar M	513120106316	ECE	Teachnook	1.8 lakh
POOJA C	513120106064	ECE	ELCOMPO ELECTRONICS	1.8 LPA
POOVARASAN B	513120106065	ECE	Perfect Electronics Private limited	1.8 LPA
Ramani A	513120106068	ECE	Elcompo, chennai	1.8LPA
Reethika S	513120106070	ECE	Elcompo electronics pvt Ltd	15,000
Reethika S	513120106070	ECE	Elcompo electronic industries pvt Ltd	15000
Sanjay R	513120106320	ECE	Perfect electronics pvt Ltd	15000
SATHYA SAI ESWARI N	513120106074	ECE	Qspiders,elcompo electronic industries pvt ltd	1.8 LPA
Shalini A	513120106075	ECE	Perfect Electronics Private Limited, Chennai	1.8 LPA
Surya S	513120106087	ECE	Perfect electronics limited	1.8lpa
Vighnesh P	513120106094	ECE	Teachnook	3.5 LPA
Vigneshwaran M	513120106327	ECE	Perfect Electric limited	15000
Vinothini G	513120106096	ECE	Elcompo electronics private limited	1.8LPA
Vishali devi	513120106097	ECE	Perfect electronics	1.8lpa
MADHAVAN S	513120106045	ECE	Novacis Digital private ltd.	3 LPA
BHARGAVI V	513120106011	ECE	Qspiders	1.8LPA
Kalaivani s	513120106034	ECE	Qspiders	1.8LPA

PLACEMENT DETAILS:

Final Year Students Have Placed In The Year 2024

Sl. No	Dep	Reg No	Name	Company Name	Salary Package LPA
1	ECE	513119106027	HASAN SATHULI H	ADMINDROID	4.2 LPA
2	ECE	513119106033	JEEVA R	ADMINDROID	4.2 LPA
3	ECE	513119106061	NUBAISH AHAMED S	ADMINDROID	3.36 LPA
4	ECE	513119106029	HEMAMALINI S	TCS	3.36 LPA
5	ECE	513119106043	KEERTHIVASAN P	TCS	3.36 LPA
6	ECE	513119106074	SHANMUGAPRIYA D	CHIPTEST	2.28 LPA
7	ECE	513119106094	VASANTH P	CHIPTEST	2.28 LPA
8	ECE	513119106049	MAHALAKSHMI B	CHIPTEST	2.28 LPA
9	ECE	513119106309	Manoj T	CHIPTEST	2.28 LPA
10	ECE	513119106012	DEEPIKAA P	CHIPTEST	2.28 LPA
11	ECE	513119106014	DEVENDRAN M	CHIPTEST	2.28 LPA
12	ECE	513119106026	HARIPRIYA B	CHIPTEST	2.28 LPA
13	ECE	513119106083	SRI VARDHANI V	XPLORIA	3.6 LPA
14	ECE	513119106008	ANITHA K	LCS	4.6 LPA
15	ECE	513119106036	KALPANAA V M	LCS	4.6 LPA
16	ECE	513119106025	HARI PRASAD N	FACILIO	4.5 LPA
17	ECE	513119106027	HASAN SATHULI H	ECON SYSTEM	5 LPA
18	ECE	513119106092	TEENA KUMARI M	TESSOLVE	4 LPA
19	ECE	513119106093	UMAMAHESHWARI S	FOXCONN	2.28 LPA
20	ECE	513119106015	DHATCHAYINI A	FOXCONN	2.28 LPA
21	ECE	513119106031	JAPAKUMAR M	FOXCONN	2.28 LPA
22	ECE	513119106055	MUGESH M	FOXCONN	2.28 LPA
23	ECE	513119106037	KAMALI G	FOXCONN	2.28 LPA
24	ECE	513119106040	KAVIYARASAN M	FOXCONN	2.28 LPA
25	ECE	513119106048	MADHANKUMAR M	FOXCONN	2.28 LPA
26	ECE	513119106054	MOHANRAJ D	FOXCONN	2.28 LPA
27	ECE	513119106065	PRAVEENA K	FOXCONN	2.28 LPA
28	ECE	513119106066	PREETHI V	FOXCONN	2.28 LPA
29	ECE	513119106302	GAUTAM VINAY S	FOXCONN	2.28 LPA
30	ECE	513119106705	Nalinkumar B	TVS FASTENERS	1.96 LPA
31	ECE	513119106078	SINDHU S	TVS FASTENERS	1.96 LPA
32	ECE	513119106706	AJAY PRABHU R	TVS FASTENERS	1.96 LPA
33	ECE	513119106064	PRATHAP RAJ S	TVS FASTENERS	1.96 LPA
34	ECE	513119106019	Elango P	TVS FASTENERS	1.96 LPA
35	ECE	513119116087	Suriya prakash	TVS FASTENERS	1.96 LPA
36	ECE	513119106027	HASAN SATHULI H	TCS	3.36 LPA
37	ECE	513119106029	HEMAMALINI S	Chiptest	2.28 LPA

THANTHAI PERIYAR GOVERNMENT INSTITUTE OF TECHNOLOGY
BAGAYAM,VELLORE-632002.

PLACEMENT & TRAINING CELL

For getting placed in Admindroid

NAME	YR & DEPT	POSITION
Hasan Sathuli H	IV-BE ECE	Level-2 Software Engineer
Janakiram	IV-BE CSE	Level-2 Software Engineer
Ananthraj	IV-BE CSE	FrontEnd Engineer
Prasannakumar	IV-BE Mechanical	Support Engineer
Jeeva R	IV-BE ECE	Internship (Front End Engineer)
Nubaish Aahmed	IV-BE ECE	Internship (Software Engineer)

Prof. Dr. M.ARULARASU.M.E., Ph.D
Principal

Prof. Dr. J. Sreerambabu. M.E., Ph.D,PDF
Vice principal

Prof. S. KRITHIGA.M.E.,
Placement officer

HOD'S, Faculty & staff and Student

TECHNICAL EVENTS:

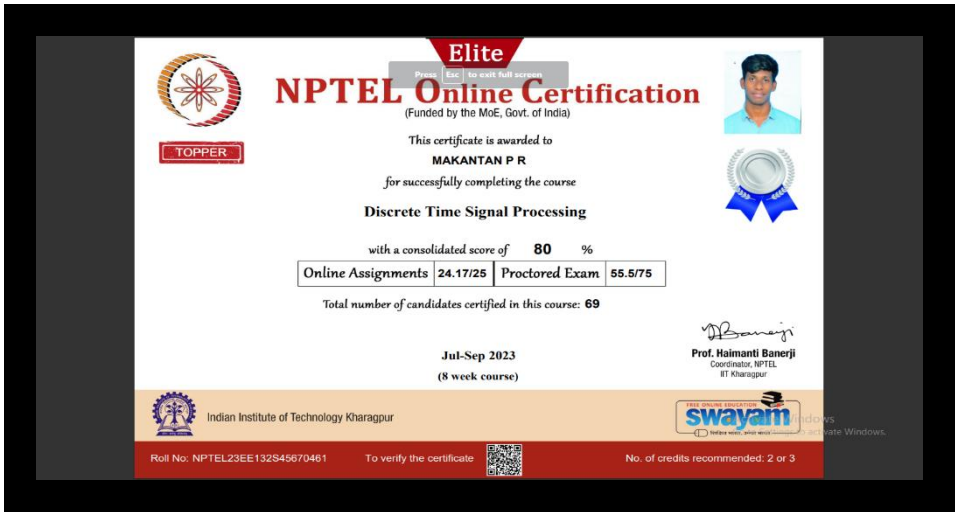
This Events are conducted in ECE Department on 11/05/2023.

SPORTS:

ACADEMICS – FINAL YEAR

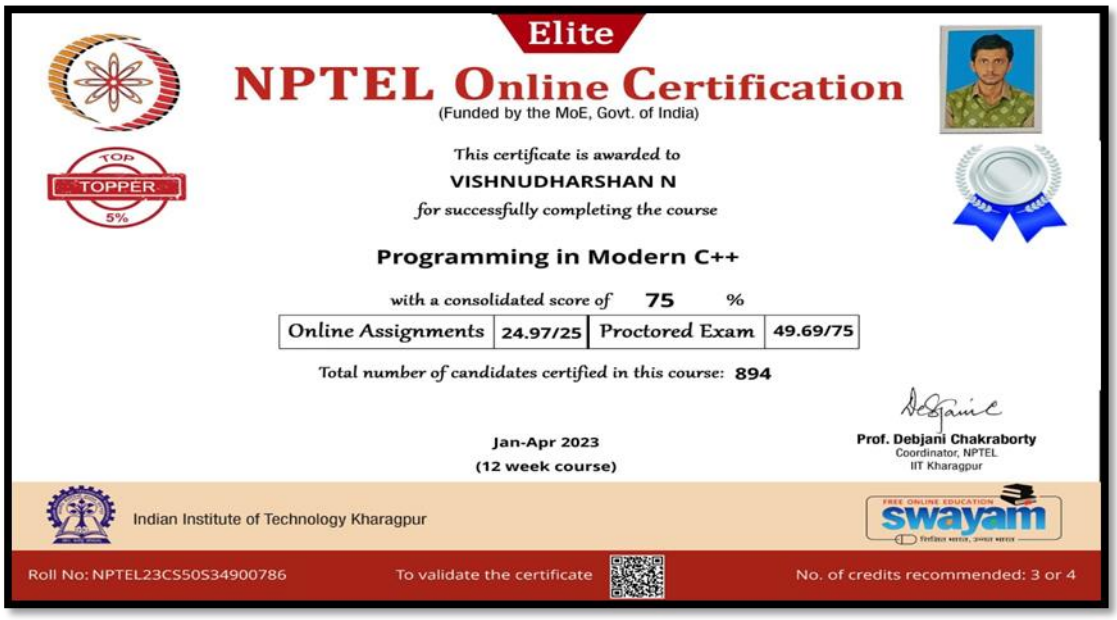
Sl. No.	Name	Event Name	Conducted by	Date of participation	Prize won
1.	SUJITH BARATHI T	Kabaddi	P.T.Lee CNCET, Kanchipuram	October 2023	Winner
2.	POOVARASAN B	Kabaddi	P.T.Lee CNCET, Kanchipuram	October 2023	Winner
3.	SUJITH BARATHI T	High Jump	SDAT Stadium, Tiruvannamalai	December 2023	Runner (Silver)
4.	SANJAY S	Basketball	Annai Mira, Ranipet	October 2023	Winner
5.	SANJAY S	Table Tennis	TPGIT	October 2023	Third
6.	SHALINI A	Basket Ball	Kingston, Katpadi	October 2023	Third
7.	GIFTSON V	Cricket	C.Abdul Hakeem, Arcot	October2023	Third
8.	ANUSH MAHADEV S K	Cricket	C.Abdul Hakeem, Arcot	October2023	Third
9.	ANUSH MAHADEV S K	Football	TPGIT	October 2023	Fourth
10.	SUJITH BARATHI T	Poll vault	SDAT Stadium, Tiruvannamalai	December 2023	Winner

ONLINE COURSE:

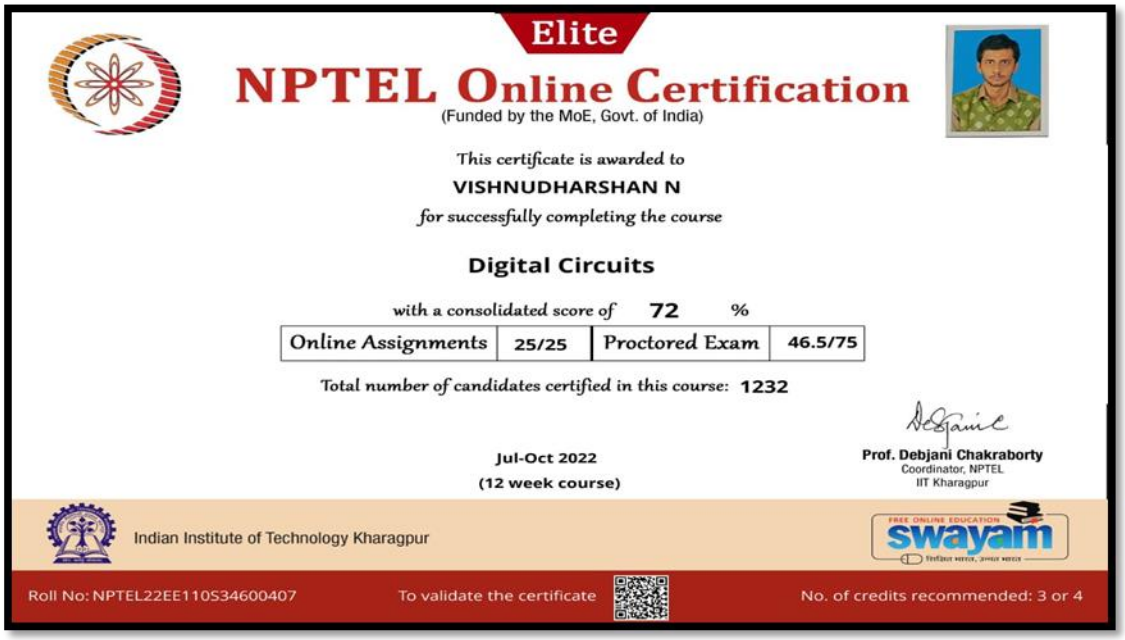


Final year student P R Makantan has successfully completed the NPTEL course on Discrete Time Signal Processing and got **ELITE** in the course and got result in 05/10/2023.

Final year student K Bharathwaj has successfully completed the NPTEL course on Programming on Java and got **ELITE** in the course and got result in 05/11/2023.



Final year student N VISHNUDHARSHAN has successfully completed the NPTEL course on Programming in C++ and got **ELITE** in the course and got result in 05/05/2023.



Final year student N VISHNUDHARSHAN has successfully completed the NPTEL course on Digital Circuits and got **ELITE** in the course and got result in 05/05/2023.

HACKATHON:


Kuppam
குப்பம்
Google
V4HC+RVQ, Vellore, Tamil Nadu
632002, India
Lat: 12.8791801
Lon: 79.1222033
23/02/2024 10:40:48 AM GMT+05:30


GPS Map Camera
Vellore, Tamil Nadu, India
V4HC+RVQ, Vellore, Tamil Nadu 632002, India
Lat 12.878832°
Long 79.122112°
24/02/24 03:26 PM GMT +05:30
Google

Umagine TN live streaming- at ECE Seminar hall 24.2.24 morning session

Ms. Sumathi M, Ms. Nandhini S, Mr. Nethaji PM, Ms. Soniya MP has participated in the regional Finals in chennai of UmagineChennai – Tech Showcase’23

INTERNSHIP:

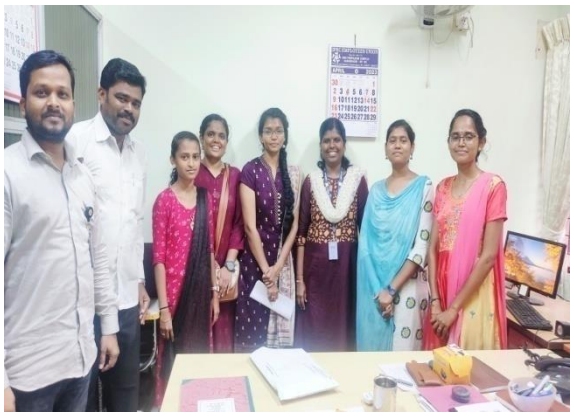
Reg No	*Name*	Online/Offline	Company Name	Duration(days)	Duration
513120106095	VINITHA K	Online	Pantech Solutions	30	21-06-2023 to 21-07-2023
513120106078	SHRUTHI B K	Online	Pantech Solutions	30	21-06-2023 to 21-07-2023
513120106096	VINOTHINI G	Online	Pantech Solutions	30	21-06-2023 to 21-07-2023
513120106070	REETHIKA S	Offline	Codebind Technologies	20	03-07-2023 to 22-07-2023
5131201060319	ROSHINI V	Offline	Codebind Technologies	20	03-07-2023 to 22-07-2023
513120106074	SATHYA SAI ESWARI N	Offline	NSIC	14	05-07-2023 to 21-07-2023
513120106316	Navenkumar M	Offline	TULIP	30	05-07-2023 to 04-08-2023
513120106086	Suruthika S	Offline	NSIC	14	05-07-2023 to 21-07-2023
513120106064	POOJA C	Offline	Brakes India Private Limited	20	04-07-2023 to 24-07-2024
513120106065	Poovarasan B	Offline	Neyveli Lignite Cooperation India Limited	14	20-07-2023 to 04-08-2023
513120106077	SHANTHINI W	Offline	NSIC	14	10-07-2023 to 24-07-2023
513120106081	SNEHALATHA C H S	Offline	NSIC	14	07-07-2023 to 21-07-2023
513120106013	BHOOMIKA M	Offline	BSNL	12	10-07-2023 to 21-07-2023
513120106047	MADHUMITHA V	Offline	Codebind Technologies	15	10-07-2023 to 24-07-2023
513120106037	KAWASKER R	Offline	Codebind Technologies	15	10-07-2023 to 24-07-2023
513120106305	Eswari devi P	Offline	Codebind Technologies	15	10-07-2023 to 24-07-2023
513120106312	Maniskaa C	Offline	Codebind Technologies	15	10-07-2023 to 24-07-2023
513120106021	Divya Dharshini P A	Offline	Tech Mahindra Limited	30	10-07-2023 to 06-08-2023 (4w)
513120106055	NASRIEN BANU A	Online	Retech Solutions Private Limited	15	26-06-2023 to 13-07-2023

65 Students from 3rd year are going to do the intern at various organizations like IITM, NSIC, SALCOM, BSNL from July 2023

PROJECT EXPO:

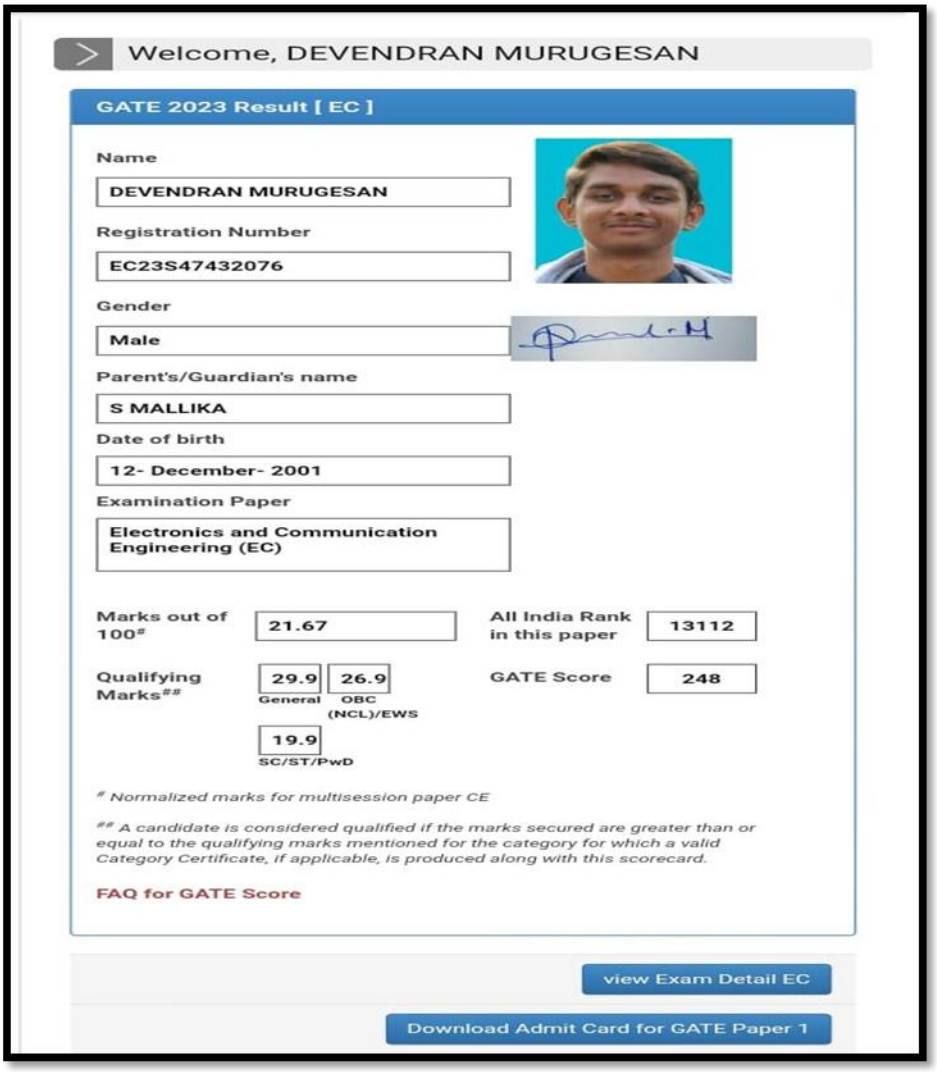
This Events are conducted in ECE Department on 11/05/2023.

PROJECT WORK DONE AT ISRO PROPULSION COMPLEX BY FINAL YEAR STUDENTS OF ECE

NAME OF THE STUDENTS	SHANMUGAPRIYA D 513119106074 MAHALAKSHMI B 513119106049 MAHALAKSHMI M 513119106050 SRI VARDHANI V 513119106083
TITLE OF THE PROJECT	DEVELOPMENT OF FAST RESPONSE FLOW SIGNAL CONDITIONER FOR CRYOGENIC FLOW MEASUREMENT USING FPGA
DEPARTMENT	ELECTRONICS&COMMUNICATION ENGINEERING.
VENUE	ISRO PROPULSION COMPLEX [IPRC], MAHENDRAGIRI, TAMILNADU, INDIA.
DURATION	13.02.2023 to 27.04.2023
TEAM WORK	

NAME OF THE STUDENTS	SWETHA V 513119106090 RAJESWARI C 513119106068 SINDHU S 513119106078 SRIMATHI D 513119106081
TITLE OF THE PROJECT	PLC CONTROLLER WITH MPC TO PREDICT HIGH THRUST ROCKET ENGINE PARAMETERS
DEPARTMENT	ELECTRONICS&COMMUNICATION ENGINEERING.
VENUE	ISRO PROPULSION COMPLEX [IPRC], MAHENDRAGIRI, TAMILNADU, INDIA.
DURATION	13.02.2023 to 27.04.2023
TEAM WORK	

GATE QUALIFIER



Welcome, DEVENDRAN MURUGESAN

GATE 2023 Result [EC]

Name

DEVENDRAN MURUGESAN

Registration Number

EC23S47432076

Gender

Male

Parent's/Guardian's name

S MALLIKA

Date of birth

12- December- 2001

Examination Paper

Electronics and Communication Engineering (EC)

Marks out of 100#	21.67	All India Rank in this paper	13112
Qualifying Marks##	29.9 (General), 26.9 (OBC (NCL)/EWS), 19.9 (SC/ST/PwD)	GATE Score	248

Normalized marks for multisession paper CE

A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which a valid Category Certificate, if applicable, is produced along with this scorecard.

FAQ for GATE Score

view Exam Detail EC

Download Admit Card for GATE Paper 1

In 2023, Final year student Mr. DEVENDRAN MURUGESAN, has been qualified in GATE exam 2023 with GATE score 248

VOLUNTEERS LIST

Event	IV Year Students	III Year Students
MIND UNFOLDED (Paper Presentation)	Kalaivani Dinesh Bhargavi Shalini	Sanjay N Shreeharsh A Amudha J Akansha dubey S
PROJECT EXPO	Mohan Manoharan	Sounderbalaji B Divya G Ezhilarasi M
CODE DILEMMA (Code Debugging)	Vishnudharshan Madhavan S	Rohansaj K Lathdevi B
BRAIN BUSTER (Technical Quiz)	Vanmozhi Nivedha	Santhosh R Swarna M Janani KS Gayathri A
PHOTOGRAPHY	Santhosh Bharath	Somesh V Priya P Iniya Arthi S
SCAM 2024 (Marketing)	Vighnesh Makanthan	Hemapriyanka B Chithra R Pooja E Pugalmani P
BID-WARS (IPL Auction)	Vignesh Mohan Kaviyarasu Giftson	Devaraj S Bhavani R Shreeharsh A Harini TK
SOUVNEIR	Kiruthikalakshmi C Vishnudharshan	Divagar L
WEBSITE	Dinesh Sarankumar	Karthikeyan K Jana Lathadevi B Siva

DECORATION	Suganthi Suruthika Ansa Rakesh Sarankumar Jayasurya Bhavani Hindu Bala	Nandhini S Srimathi D
DISCIPLINE	Jeeva S Tamilarasan	Kamali G Sabarish A
FOOD COMMITTEE	Ashok Kumar Aswajith Sivasakthi Vallarasu	-
PRINTING	Prithivirajan Ragul	Somesh V
PURCHASE	Moulishwaran Sanjay Surya Sivaprakasam	Naveenraj S S Dhanush P
CHIEF GUEST & HOSPITALITY	Vignesh Manogaran	Devaraj S
POSTER CREATION	Madesh	Raguvaran
CONSOLIDATION OF RESULT & CERTIFICATION	Divya Dharshini Arshiya	Viji P Ashvini M Hemalatha G
ANCHORING	Vignesh Pooja	Mownika P Hema Priyanka B

CREATIVE SAMPLE FROM OUR STUDENTS

ROLE PLAY

In 2023 Third year students has done a awareness programme on TIME MANAGEMENT on 08 May 2023

SEE YOU IN EPULZ 2025

The faculty members, students and all the members of Electronics and Communication Engineering Association (ECEA) thank our beloved Principal **Dr.P.K.PALANI** for permitting us to organize the National level technical symposium **EPULZ 2K24**. ECE association registers its acknowledgement towards the cooperation extended by the faculty of other departments, especially their HODs for their valuable messages. ECE association thank the participants from other colleges who have made it to the great event today and hope that they will get a chance to exchange better ideas and knowledge through the symposium. It is the constant and untiring efforts put up by the students, office bearers of the association under the guidance of the faculty which has made this symposium a reality.

Eagerly looking forward to meet you again in TPGIT for **EPULZ 2K24**.