P.S.V.

COLLEGE OF ENGINEERING AND TECHNOLOGY

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NEWSLETTER

TEKWARZZ-23

Department of Electronics and Communication Engineering

ABOUT THE DEPARTMENT

The Electronics & Communication department was established in the year 2008. The department offers 4-year UG programs with an intake of 60 students, affiliated with Anna University, Chennai. The department aims to develop the student community to face the future world with the latest technical knowledge through research, good leadership qualities, industry-institute interaction, and a spirit of competence. It is supported by experienced and skilled faculty members in all areas and facilitated with well-equipped laboratories. The department conducts a broad range of multidisciplinary research initiatives in cutting-edge technologies, having MoUs with many reputed companies.

"Empowering Innovation, Connecting the Future: ECE at the Forefront!"

Our Vision

To facilitate a conductive teaching-learning atmosphere to the aspirants in the domain of Electronics & Communication and make them globally proficient, innovative and socially responsible citizen.

Our Mission

1. To provide strong fundamental knowledge in the field of Electronics & Communication Engineering
2. To prepare students with exceptional skills and make them capable to provide solutions to the global community in the field of Electronics & Communication Engineering
3. To discover and disseminate knowledge through learning, research and transferring them to the Society for serving at a large
4. To make the students for long-term learning to provide solutions to the new issues arise in the global environment

PROGRAM OUTCOMES

PO1:ENGINEERING KNOWLEDGE: Apply the knowledge of mathematics, science,engineering fundamentals, and Engineering specialization to the solution of complex engineering problems.

PO2: PROBLEM ANALYSIS: Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.

PO3: DESIGN/DEVELOPMENT OF SOLUTIONS: Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4:CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS: Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. PO5: MODERN TOOL USAGE: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: THE ENGINEER AND SOCIETY: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal andcultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7:ENVIRONMENT AND SUSTAINABILITY: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. PO8: ETHICS: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. PO9: INDIVIDUAL AND TEAM WORK: Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.

PO10: COMMUNICATION: Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions. PO11: PROJECT MANAGEMENT AND FINANCE: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO12: LIFE LONG LEARNING: Recognize the need for, and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1 To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs.

PEO2 To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.

PEO3 To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.

PROGRAM SPECIFIC OBJECTIVES

PSO1: To analyze, design and develop solutionsby applying foundational concepts of electronics and communication engineering.

PSO2: To apply design principlesand best practices for developing qualityproducts for scientificand business applications.

PSO3: To adapt to emerging information and communication technologies (ICT) to innovateideas and solutions to existing/novel problems.

FROM HoD DESK

The perennial zeal of the Department has never left the achievements stagnant.The Department notonly gives students the exposure to theregular engineering curriculam but also to the aspirations of today's coporate world, thus inculcating a professional apttitude in them. The dedication of the faculty members has strengthened the learning process ensuring an environment of collaboration, experimentation, imagination and creativity. It is such a prodigious delight in watching the students cutting edge in technical exploration, enchancing their analytical skills and brushing themselves up for the rapidly changing sector, and establishing themselves as entrepreneurs and engineers.

The Departmenthas always reached new heights and I am looking forward to more wonders and achievements. I wish the very best to the Department of ECE for the Launch of the TEKWARZZ, the official technical magzine of the Department. The magazine beautifully provides an overview of academic programs, research activities, training and the other fields explored by our faculty members and students.

Prof.C.Thamilarasi,M.E.,(Ph.D).,
HoD/ECE

Table of Contents

PUBLICATIONS & CONFERENCES

2023-2024

PUBLICATIONS

JOURNAL PUBLICATIONS

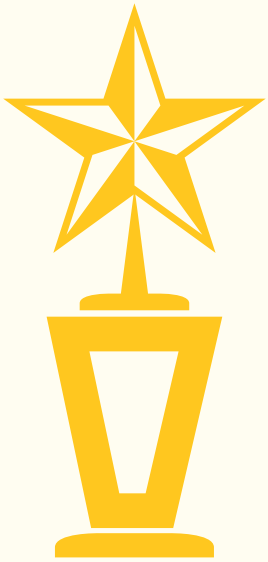
1. Mrs.C.Thamilarasi,Associate Professor, Department of ECE, Published a paper entitled “Design and Implementation of Energy Effectiveness Practices in Wireless Sensor Network over Simulation and Analysis of AOMDV in MANET” in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET).
2. Mrs.C.Thamilarasi,Associate Professor, Department of ECE, Presented a paper entitled “Parallel and Batch Multiple Replica Auditing Protocol for Edge Computing” in IEEE International Conference on Parallel & Distributed Processing with Applications, Big Data & Cloud Computing, Sustainable Computing & Communications, Social Computing & Networking (ISPA/BDCloud/SocialCom/SustainCom).

BOOK PUBLICATION

1. Mr.M. Vinodh Kumar, Assistant Professor in the Department of ECE, has published a book titled "Programming in Python for Beginners."

CONFERENCE PUBLICATIONS

1. Mr.S.Shanmugam, Associate Professor, Department of ECE, Presented a paper entitled "Design and Implementation of PCB Fault Analysis Using Sift Algorithm" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET).
2. Mr.Prakasam.L, Assistant Professor, Department of ECE, Presented a paper entitled "Design and Implementation of Energy Effectiveness Practices in Wireless Sensor Network over Simulation and Analysis of AOMDV in MANET" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET).



AWARDS & HONOURS

GLOBAL FACULTY AWARD-23

M.Vinodh Kumar, Assistant Professor in the Department of Electronics and Communication Engineering, is thrilled to announce that he has been honored with the esteemed Global Faculty Award in 2023, November 4 @ New Delhi. This prestigious accolade, conferred upon him during a ceremony held in New Delhi, serves as a testament to his unwavering commitment to excellence in academia and his profound contributions to the field of Electronics and Communication Engineering.

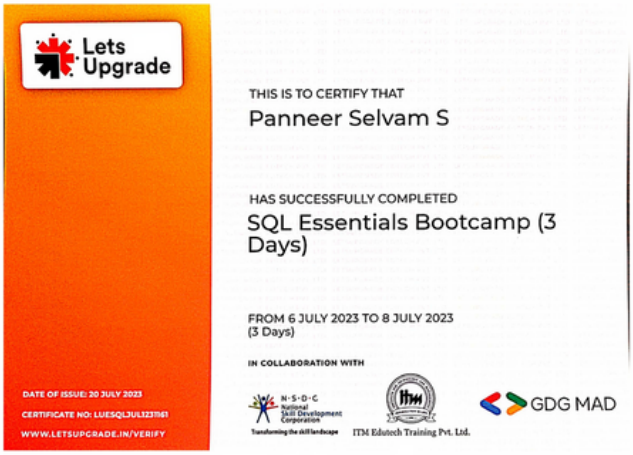
Throughout his career, Vinodh Kumar has consistently demonstrated exceptional dedication, innovation, and leadership in teaching & service. His Dynamic approach to education has inspired countless students, equipping them with the knowledge and skills needed to excel in a rapidly evolving technological landscape. Global Faculty Award underscores his remarkable achievements and distinguishes him as a trailblazer in academia. His passion for teaching, coupled with his commitment to pushing the boundaries of scientific inquiry, embodies the spirit of excellence that the award celebrates. As an ambassador for global education and research, He continues to inspire and empower the next generation of innovators and thought leaders, leaving and indelible mark on the academic community.

Mr.M.Vinodh Kumar, AP/ECE

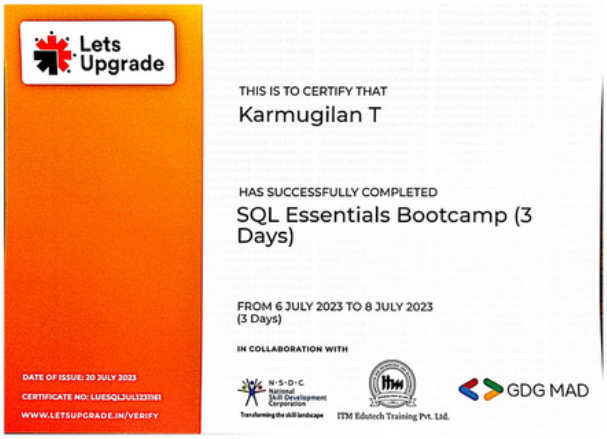
Mohammad Thoufiq K, who holds a degree in B.E -ECE, demonstrated exemplary dedication and commitment by effectively completing the "Employability Skills Development Training Programme" offered by TITAN LeAP, Naandi Foundation. Spanning from 2023 to 2024, this intensive program equipped him with essential skills vital for professional success. In recognition of his outstanding performance and notable achievements throughout the program, Mohammad Thoufiq K was honored with the prestigious Best Achievement Award

STUDENTS CERTIFICATIONS

SAMPOORNAM S, has successfully completed SQL Essential Bootcamp from 6 July to 8 July 2023



PANEER SELVAM S, has successfully completed SQL Essential Bootcamp from 6 July to 8 July 2023

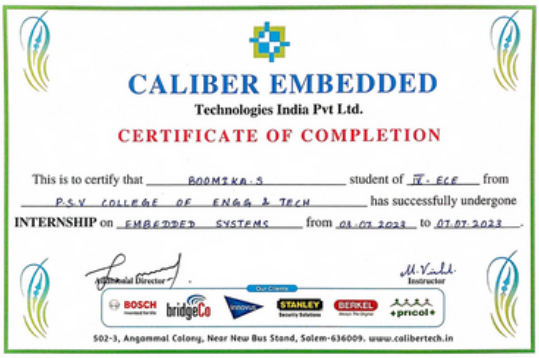


KARMUGILAN, has successfully completed SQL Essential Bootcamp from 6 July to 8 July 2023

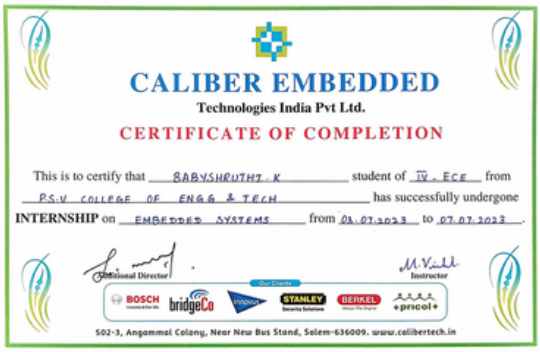
SANTHOSH KUMAR S has successfully undergone Internship on Embedded systems from 03.07.2023 to 07.07.2023


CALIBER EMBEDDED
Technologies India Pvt Ltd.
CERTIFICATE OF COMPLETION
This is to certify that DINESHKUMAR.S student of IV - ECE from
P.S.V COLLEGE OF ENGG & TECH has successfully undergone
INTERNSHIP on EMBEDDED SYSTEMS from 03.07.2023 to 07.07.2023.
Additional Director
Instructor
502-3, Angammal Colony, Near New Bus Stand, Salem-636009. www.calibertech.in

DINESH KUMAR S has successfully undergone Internship on Embedded systems from 03.07.2023 to 07.07.2023


CALIBER EMBEDDED
Technologies India Pvt Ltd.
CERTIFICATE OF COMPLETION
This is to certify that BOOMIKA.S student of IV - ECE from
P.S.V COLLEGE OF ENGG & TECH has successfully undergone
INTERNSHIP on EMBEDDED SYSTEMS from 03.07.2023 to 07.07.2023.
Additional Director
Instructor
502-3, Angammal Colony, Near New Bus Stand, Salem-636009. www.calibertech.in

BOOMIKA S has successfully undergone Internship on Embedded systems from 03.07.2023 to 07.07.2023


CALIBER EMBEDDED
Technologies India Pvt Ltd.
CERTIFICATE OF COMPLETION
This is to certify that BABYSHRUTHI.K student of IV - ECE from
P.S.V COLLEGE OF ENGG & TECH has successfully undergone
INTERNSHIP on EMBEDDED SYSTEMS from 03.07.2023 to 07.07.2023.
Additional Director
Instructor
502-3, Angammal Colony, Near New Bus Stand, Salem-636009. www.calibertech.in

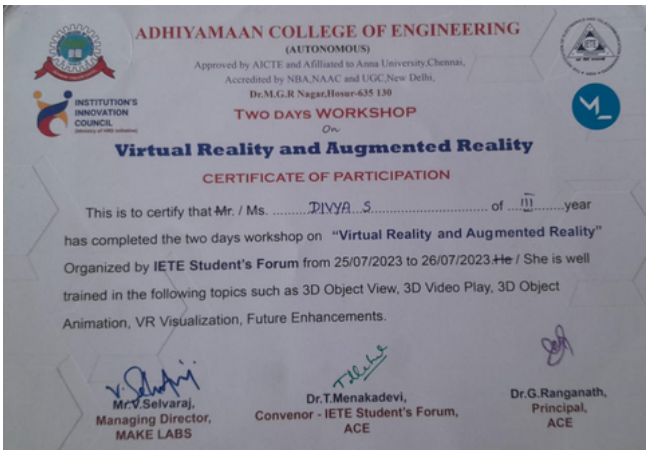
BABYSHRUTHI K has successfully undergone Internship on Embedded systems from 03.07.2023 to 07.07.2023


Durga Tech
RESEARCH & DEVELOPMENT
THIS IS TO CERTIFY THAT DHIVYA R HAS COMPLETED THE INTERNSHIP TRAINING UNDER THE WEB DEVELOPMENT IN DURGA TECH
FROM 03.07.2023 TO 07.07.2023
DURING THIS INTERNSHIP TRAINING DHIVYA R FOUND TO BE HIGHLYSINCERE, COMMITTED, HARD WORKING, PROGRESSIVE AND PROFESSIONAL TOWARDS HER WORK AND IS CAPABLE OF DISCHARGING HER DUTIES IN A SIMILAR CAPACITY AND HER CONDUCT WAS FOUND TO BE GOOD DURING HER PERIOD OF INTERNSHIP TRAINING WE WISH DHIVYA R SUCCESS IN HER FUTURE ENDEAVORS IN HER CAREER.

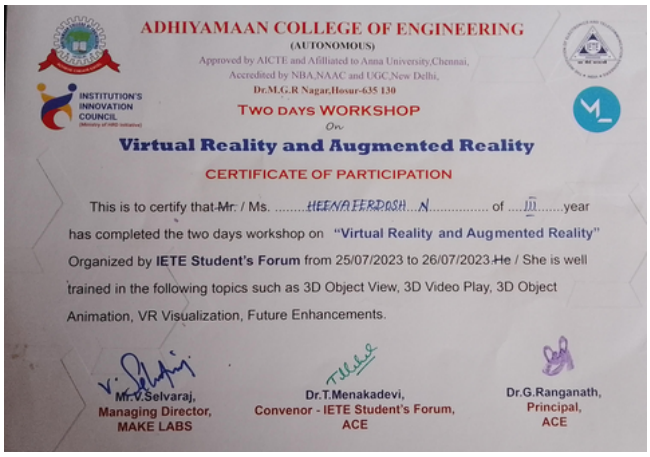
DHIVYA R has successfully completed Internship training under the web development in Durga Tech from 03.07.2023 to 07.07.2023

SANJANA S has successfully completed Internship training under the web development in Durga Tech from 03.07.2023 to 07.07.2023

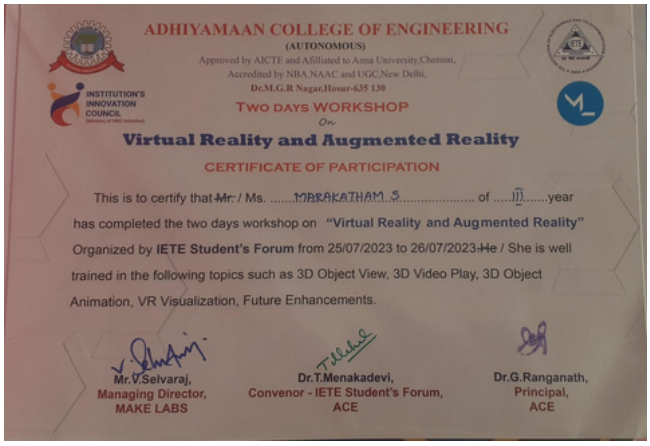
PARAMESHWARAN T, has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Students forum from 25/07/2023 to 26/07/2023.



DIVYA S, has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Students forum from 25/07/2023 to 26/07/2023.



HEENAFERDOSH N, has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Students forum from 25/07/2023 to 26/07/2023.

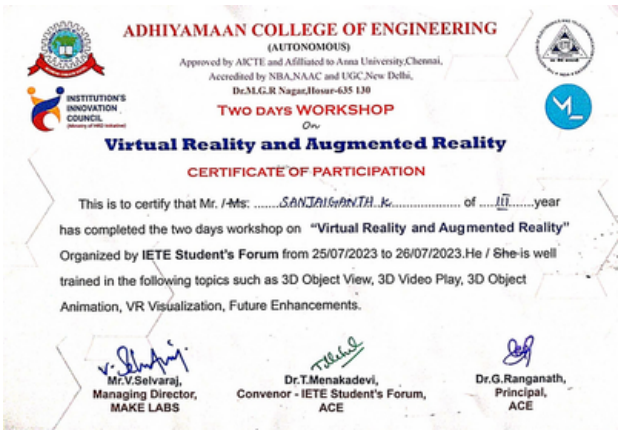


ADHIYAMAAN COLLEGE OF ENGINEERING
(AUTONOMOUS)
Approved by AICTE and Affiliated to Anna University,Chennai,
Accredited by NBA,NAAC and UGC,New Delhi,
Dr.M.G.R Nagar,Hosur-635 130
TWO DAYS WORKSHOP
On
Virtual Reality and Augmented Reality
CERTIFICATE OF PARTICIPATION

This is to certify that ~~Mr.~~ / Ms. MARAKATHAM S of III year has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Student's Forum from 25/07/2023 to 26/07/2023 ~~He~~ / She is well trained in the following topics such as 3D Object View, 3D Video Play, 3D Object Animation, VR Visualization, Future Enhancements.

Mr.V.Selvaraj, Managing Director, MAKE LABS
Dr.T.Menakadevi, Convenor - IETE Student's Forum, ACE
Dr.G.Ranganath, Principal, ACE

MARAKATHAM S, has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Students forum from 25/07/2023 to 26/07/2023.



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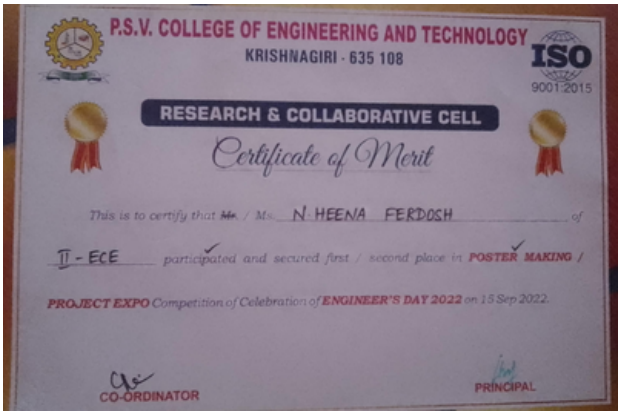
Accredited by NBA,NAAC and UGC,New Delhi,
Dr.M.G.R Nagar,Hosur-635 130
TWO DAYS WORKSHOP
On
Virtual Reality and Augmented Reality
CERTIFICATE OF PARTICIPATION

This is to certify that Mr. ~~/ Ms:~~ SANJAIGANTH K. of III year has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Student's Forum from 25/07/2023 to 26/07/2023.He / ~~She~~ is well trained in the following topics such as 3D Object View, 3D Video Play, 3D Object Animation, VR Visualization, Future Enhancements.

Mr.V.Selvaraj, Managing Director, MAKE LABS
Dr.T.Menakadevi, Convenor - IETE Student's Forum, ACE
Dr.G.Ranganath, Principal, ACE

SANJAIGANTH K, has completed the two days workshop on "Virtual Reality and Augmented Reality" Organized by IETE Students forum from 25/07/2023 to 26/07/2023.



P.S.V. COLLEGE OF ENGINEERING AND TECHNOLOGY
KRISHNAGIRI - 635 108
ISO 9001:2015
RESEARCH & COLLABORATIVE CELL
Certificate of Merit

This is to certify that ~~Mr.~~ / Ms. N HEENA FERDOSH of III - ECE participated and secured first / ~~second~~ place in POSTER MAKING / PROJECT EXPO Competition of Celebration of ENGINEER'S DAY 2022 on 15 Sep 2022.

CO-ORDINATOR
PRINCIPAL

HEENA FERDOSH N , participated in Poster Making competition of Celebration of Engineer's Day 2022 on 15 Sep 2022.

P.S.V COLLEGE OF ENGINEERING AND TECHNOLOGY
KRISHNAGIRI - 635 108
ISO 9001:2015
RESEARCH & COLLABORATIVE CELL
Certificate of Merit

This is to certify that Mr. / Ms. S.MARAKATHAM of III - ECE participated and secured first / ~~second~~ place in VIDEO PRESENTATION / POSTER MAKING / PROJECT EXPO Competition of Celebration of ENGINEER'S DAY 2023 on 15 Sep 2023.

CO-ORDINATOR
PRINCIPAL

MARAKATHAM S , participated and secured first in Poster Making competition of Celebration of Engineer's Day 2022 on 15 Sep 2022.

Internship Certificate

This certificate is awarded to

MAMTHA G Reg No: 611822106026

on successful completion of 7 DAYS INTERNSHIP

in the area of FULL STACK PYTHON DEVELOPER

11-09-2023 FROM DATE 17-09-2023 TO DATE AUTHORISED SIGNATORY

jrm infotech

Sarjapura Road, Attibele

completed

MAMTHA G, on successful Completion of 7 days Internship in the area of Full Stack Python Developer 11.09.2023 to 17.09.2023.

தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTE CAMPUS, CHENNAI 600 025.

&

GOVERNMENT COLLEGE OF ENGINEERING BARGUR

KRISHNAGIRI - 635 104.

CERTIFICATE

This is to certify that Mr./Mrs DINESHKUMAR S Studying in IV-YEAR B.E-ECE, PSV COLLEGE OF ENGINEERING AND TECHNOLOGY, KRISHNAGIRI participated in "Science and Technology Capacity Building for Industrial Needs" catalyzed and supported by TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, Chennai, and Organized by GOVERNMENT COLLEGE OF ENGINEERING, BARGUR, KRISHNAGIRI(dt) held during 13.09.2023 to 15.09.2023

Dr. J. Nafeesa Begum. CO-ORDINATOR

Dr. R. Vijayan. PRINCIPAL

Dr. R. SRINIVASAN. MEMBER SECRETARY

DINESH KUMAR S, participated in "Science & Technology Capacity Building for Industrial Needs" Catalyzed and supported by Tamilnadu State Council for state council for Science & Technology, Chennai, Organized by GCE, Bargur held during 13.09.2023 to 15.09.2023

தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்

TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

DOTE CAMPUS, CHENNAI 600 025.

&

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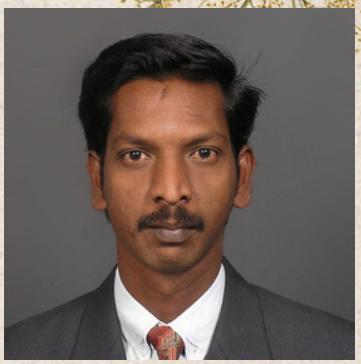
NPTEL ACHIEVERS

C. Thamilarasi, serving as the Head of the Department (HoD) for Electronics and Communication Engineering (ECE), has achieved significant recognition for her commitment to academic excellence and research proficiency. In August-October 2023, she successfully completed the course titled "Research Methodology" with an outstanding consolidated score of 84% in the examination.

This remarkable achievement underscores C. Thamilarasi' strong grasp of research methodologies, indicating her proficiency in designing, conducting, and analyzing research studies effectively. The course likely covered a broad spectrum of topics essential for conducting high-quality research, including literature review, research design, data collection methods, statistical analysis, and ethical considerations.

In recognition of her exceptional performance, C. Thamilarasi was awarded a silver badge, signifying her dedication, diligence, and exemplary academic performance in mastering the principles and practices of research methodology. This badge serves as a testament to her commitment to advancing her skills and knowledge in research, thereby contributing significantly to the academic and intellectual growth within the field of Electronics and Communication Engineering.

As the Head of the Department, C. Thamilarasi's achievement sets a positive example for her colleagues and students, inspiring them to pursue excellence in their academic and research endeavors. Her proficiency in research methodology undoubtedly enhances the department's research capabilities and reinforces its reputation for academic excellence and scholarly achievement.



M. Shanmugam, an esteemed Associate Professor specializing in Electronics and Communication Engineering (ECE),has been honored with a significant achievement in recognition of his dedication to continuous learning and academic excellence. He has been awarded a Silver Medal by NPTEL (National Programme on Technology Enhanced Learning).

This prestigious accolade reflects M. Shanmugam's exceptional performance and proficiency in the NPTEL courses he has undertaken. As an Associate Professor in ECE, he likely has a strong foundation in various aspects of the field, including but not limited to digital electronics, communication systems, signal processing, microelectronics, and embedded systems.

By earning the Silver Medal from NPTEL, M. Shanmugam has demonstrated his commitment to enhancing his knowledge and skills through online learning platforms. This achievement signifies his outstanding performance in completing NPTEL courses with distinction, showcasing his expertise and dedication to professional development within the field of Electronics and Communication Engineering.

As an Associate Professor, M. Shanmugam's accomplishment serves as an inspiration to his colleagues and students, highlighting the importance of continuous learning and the pursuit of excellence in academia. His achievement not only reflects his personal dedication but also enhances the reputation of his institution and contributes to the advancement of ECE education and research.

Mrs. Deepa is an Assistant Professor in the field of Electronics and Communication Engineering (ECE) who has demonstrated exceptional dedication and enthusiasm towards enhancing her knowledge and skills through NPTEL (National Programme on Technology Enhanced Learning) courses.

Her commitment to continuous learning and professional development has been recognized through the prestigious NPTEL Star Award.

As an NPTEL enthusiast and believer, Ms. Deepa has actively engaged with the platform, completing more than 9 courses in various aspects of ECE and related fields. These courses likely cover a wide range of topics, including but not limited to digital electronics, communication systems, signal processing, microelectronics, and embedded systems. By completing these courses, she has not only expanded her own expertise but has also demonstrated a proactive approach towards staying updated with the latest advancements in her field.

Ms. Deepa's achievement of receiving the NPTEL Star Award highlights her exemplary performance and dedication towards online learning and professional development. This recognition signifies her outstanding contributions to the NPTEL community and her commitment to excellence in education and research within the domain of Electronics and Communication Engineering.

C.THAMILARASI, HoD/ECE

No.of Courses: 01

S.SHANMUGHAM, ASP/ECE

No.of Courses: 02

M.SASIKALA, AP/ECE

No.of Courses: 02

M.DEEPA, AP/ECE

No.of Courses: 04

S.KAVIPRIYA, AP/ECE

No.of Courses: 02

M.VINODH KUMAR, AP/ECE

No.of Courses: 03

THE TALE OF TRIUMPH FOR OUR YOUTUBER

As a Youtuber this Journey from 2019 to 2024 has been a challenging one for me on Youtube. When I am in my first year of diploma studies, I started my Youtube Journey with tech-related content like mobile reviews and unboxings. Despite posting 40-60 videos over 2 months, I didn't gain any followers or subscribers by this content , then I Switched to tech news videos, but faced similar struggles with reach and engagement without any bodies support.

During the challenging period of 2019-2021, I learned the importance of content quality, as well as the significance of video and audio quality to viewers. After dedicating time to improving the over quality of my media, without external support, I ventured into 2023 with hope. With the introduction of Youtube shorts, I began creating entertainment content such as food reviews and vlogs. Posting upto 100 Videos in Just 3-4 months, I started gaining good reach within six months and reached 50,000
Subscribers.

Continuing to Share regular vlogs and food reviews with the support of my subscribers, I crossed the milestone of 1 lakh subscribers in 2024. This journey has not only built my self-confidence but has also instilled in me a strong belief in becoming a successful creator in social media.

Through my experiences, I want to share a message of perseverance and determination: never lose hope in pursuing your dreams.

-Mohammed Thoufiq K

IV Year ECE

LEENUS FELEX J

III YEAR STUDENT

Leenus Felex J, a dedicated student enrolled in the Department of Electronics and Communication Engineering (ECE), has successfully completed a series of courses through various digital platforms, showcasing a strong commitment to continuous learning and skill development.

Under the guidance of leading digital learning platforms such as NXt Wave, be10X, and CCBP 4.0 Academy, Leenus has actively engaged with a diverse range of courses designed to enhance knowledge and proficiency in the field. These platforms provide cutting-edge educational resources and tools, enabling students like Leenus to stay updated with the latest trends and advancements in technology.

By leveraging the opportunities offered by these digital platforms, Leenus has not only expanded his theoretical understanding but has also acquired practical skills essential for success in the ever-evolving landscape of electronics and communication engineering.

Through dedication, perseverance, and a thirst for knowledge, Leenus Felex J has demonstrated a commendable commitment to personal and professional growth, setting a shining example for aspiring engineers in the digital age.

Here the sample project links

1. https://leenus615.ccbp.tech/
2. http://leenus123.ccbp.tech/
3. https://leegenaipp.ccbp.tech/

KAVIARASAN J
III YEAR ECE

Kaviarasan J, from the Department of Electronics and Communication Engineering (ECE). These courses cover a diverse array of topics, blending theoretical knowledge with practical applications to equip students with the skills needed in today's technology-driven world.

NovizTech's courses typically focus on cutting-edge technologies such as Internet of Things (IoT), cloud computing, data science, artificial intelligence (AI), machine learning, cybersecurity, and more. Students like Kaviarasan J have the opportunity to delve deep into these subjects, gaining hands-on experience through practical exercises, projects, and real-world case studies.

Each course at NovizTech is designed to provide comprehensive coverage of its respective topic, ensuring that students develop a strong understanding of the underlying principles and practical techniques. Whether it's learning to design and deploy IoT solutions on cloud platforms like Azure or AWS, mastering data analysis and visualization techniques, or understanding the fundamentals of cybersecurity, NovizTech's courses strive to empower students with the knowledge and skills they need to excel in their chosen field.

Additionally, NovizTech's courses are often structured to accommodate students from various backgrounds, including ECE, ensuring that participants can effectively apply their learnings in their academic pursuits and future careers. Through a combination of expert instruction, hands-on practice, and collaborative learning environments, NovizTech aims to foster a culture of continuous learning and innovation among students like Kaviarasan J, preparing them to tackle the challenges and opportunities of the digital age.

2023/2024

INDUSTRIAL VISIT

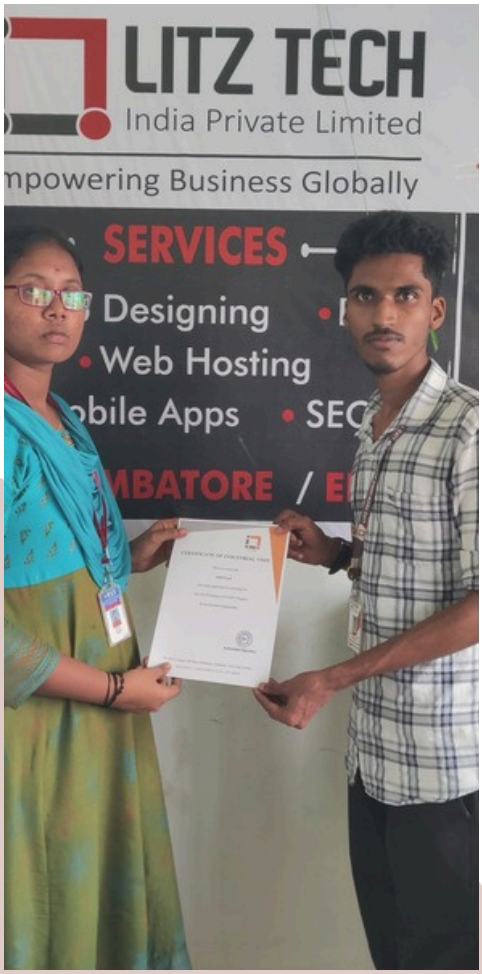
@
COIMBATORE

Tekwarzz -2k24

LITZ TECH

Summary

In a significant educational endeavor, the Department of Electronics and Communication Engineering (ECE) organized a one-day industrial visit to LITZ TECH in Coimbatore. This visit aimed to provide students with practical exposure to the fields of Internet of Things (IoT) and Embedded Systems, which are integral components of modern technology. The trip saw a remarkable turnout, with over 120 students eagerly participating alongside the guidance of four dedicated faculty members. Through interactive sessions, demonstrations, and firsthand experiences, students had the opportunity to delve into the intricacies of IoT and Embedded Systems, gaining valuable insights into their applications and relevance in today's technological landscape. This immersive learning experience not only broadened their knowledge but also inspired them to explore further possibilities in these dynamic fields. Overall, the industrial visit proved to be a rewarding and enriching experience, fostering a deeper understanding and appreciation for the practical aspects of their academic pursuits.



INNOVATIVE PROJECTS

R.MONISHA, II YEAR

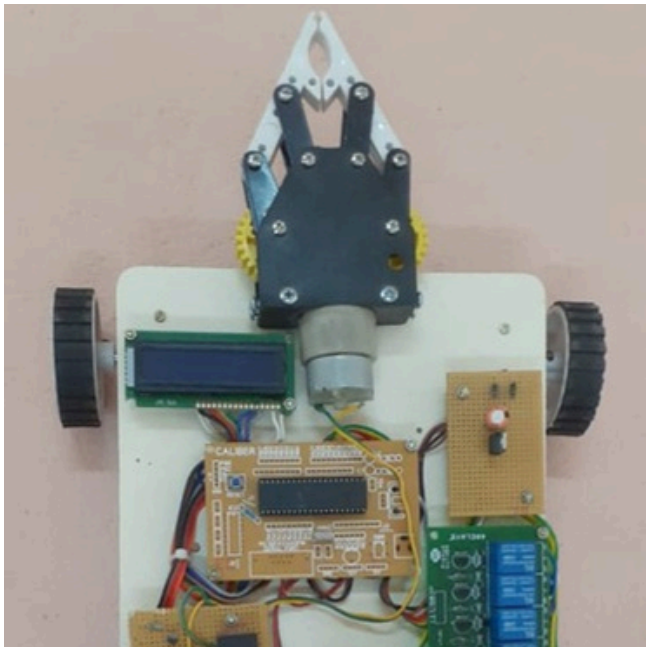
Smart Aggorost Player

Overview: The Smart Aggorost Player is an innovative software application designed to enhance the user experience of playing Aggorost, a strategic board game. Utilizing advanced algorithms and artificial intelligence techniques, the Smart Aggorost Player aims to provide players with intelligent gameplay suggestions, real-time analytics, and personalized insights to improve their strategic decision-making and overall performance in the game.

Key Features:

- Intelligent Gameplay Suggestions: The Smart Aggorost Player analyzes the current game state and offers intelligent suggestions to players, such as optimal moves, strategic positioning of game pieces, and potential counter-strategies against opponents.
- Real-time Analytics: Through sophisticated data analysis, the Smart Aggorost Player provides real-time insights into various aspects of the game, including player statistics, game trends, and predictive modeling of future game states.
- Personalized Recommendations: By leveraging machine learning algorithms, the Smart Aggorost Player adapts to each player's unique playing style and preferences, offering personalized recommendations and strategies tailored to maximize their strengths and mitigate weaknesses.
- Interactive Learning Mode: The Smart Aggorost Player features an interactive learning mode where players can engage in simulated gameplay scenarios, receive instant feedback on their decision.

sATHYA, II YEAR



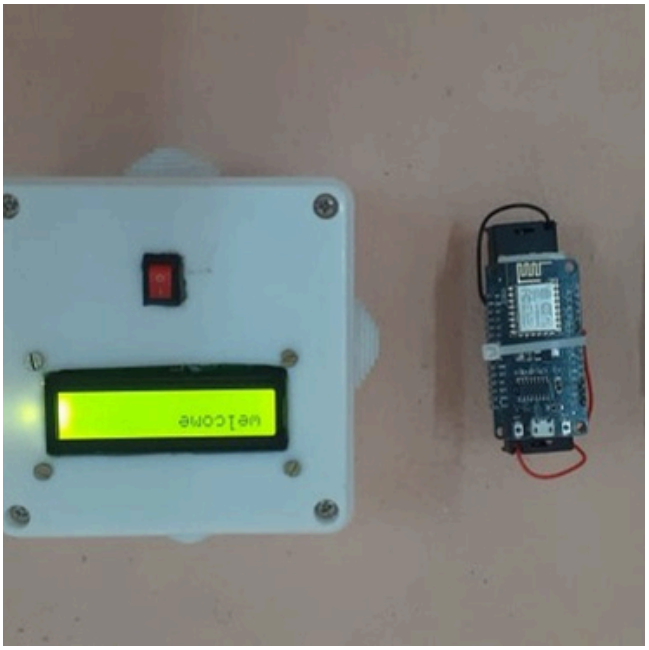
PICK AND PLACED ROBOT

Overview: The Pick and Place Robot project aims to develop a versatile robotic system capable of automatically picking up objects from one location and placing them in another with precision and efficiency. This robotic solution streamlines various industrial processes such as manufacturing, logistics, and warehousing by automating repetitive tasks traditionally performed by human workers.

Key Component:

- Robotic Arm: The heart of the system, the robotic arm, is equipped with multiple degrees of freedom to achieve precise movements in three-dimensional space. It is constructed from lightweight yet durable materials and driven by high-torque motors for optimal performance.
- Vision System: Incorporating advanced vision technology, the system employs cameras and image processing algorithms to identify, locate, and analyze objects within its workspace. This enables the robot to adapt to various object shapes, sizes, and orientations with remarkable accuracy.
- Gripping Mechanism: The gripping mechanism is designed to securely grasp objects of different shapes, textures, and weights. Utilizing a combination of pneumatic, electric, or magnetic actuators, the gripper ensures reliable handling while minimizing the risk of damage to delicate components.
- Control Unit: The control unit serves as the brain of the system, overseeing the coordination of robotic movements, object detection, and task execution.

M.KOKILAVANI, II YEAR



FISHERMAN BORDER SAFETY SYSTEM

Overview: The Fisherman Border Safety System is a comprehensive project aimed at enhancing the safety and security of fishermen operating in border areas. The system integrates various technologies and strategies to ensure the well-being of fishermen, particularly those navigating waters near international borders where security concerns are heightened. Below is a detailed description of the components and functionalities of the system:

Key Component:

- GPS Tracking and Monitoring: Each fishing vessel is equipped with GPS tracking devices that continuously transmit the vessel's location in real-time. This allows authorities to monitor the movements of fishing vessels and ensure they do not stray into restricted or dangerous areas.
- Geofencing: Geofencing technology is utilized to create virtual boundaries around sensitive areas or international borders. If a fishing vessel enters or approaches these designated zones, alerts are automatically triggered, notifying authorities of the potential breach.
- Emergency Alert System: Fishermen are provided with wearable emergency alert devices that can be activated in case of distress or emergency situations such as accidents, piracy, or medical emergencies. These devices transmit distress signals along with the precise location of the vessel to nearby authorities for swift response and assistance.

2023-24

Memorandum of Understanding

TEKWARZZ NEWS LETTER

MoU Between Dept of ECE & APOLLO EDUCATION

This Memorandum of Understanding (MoU) signifies a formal agreement between the Department of Electronics and Communication Engineering (ECE) and Apollo Education, a renowned educational institution committed to excellence in higher learning. This collaboration aims to foster cooperation, knowledge sharing, and skill development in the field of electronics and communication engineering for the mutual benefit of both parties.

Key objectives of this MoU include:

- **Academic Collaboration**
- **Student Development Programs**
- **Internship and Placement Opportunities**
- **Industry-Academia Interaction**
- **Research and Innovation**
- **Community Engagement**

"Through partnership and shared vision, we embark on a journey of collaboration, innovation, and mutual growth, paving the way for a brighter future together."

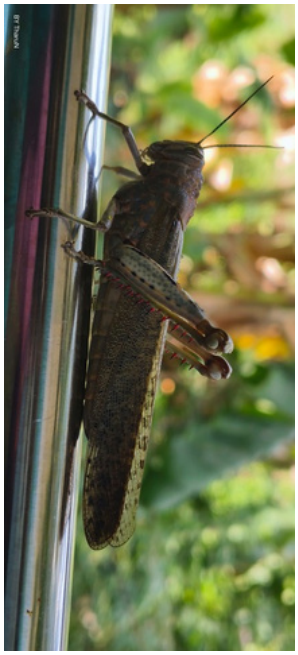
"

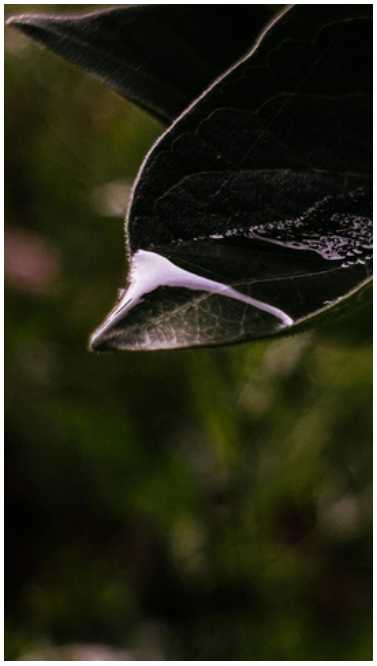
This MoU signifies a commitment to collaboration, innovation, and excellence in the field of electronics and communication engineering. By leveraging the strengths and resources of both institutions, the Department of ECE and Apollo Education aim to create a conducive environment for academic growth, research excellence, and the holistic development of students.

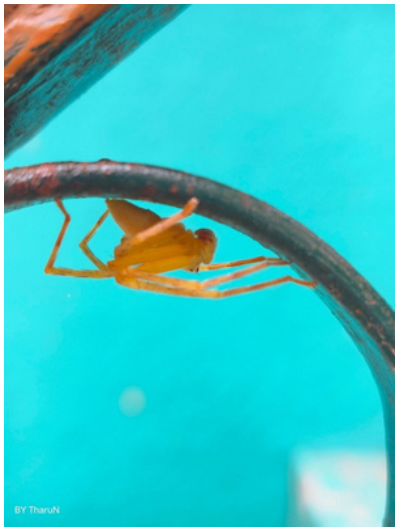
PHOTOGRAPHY

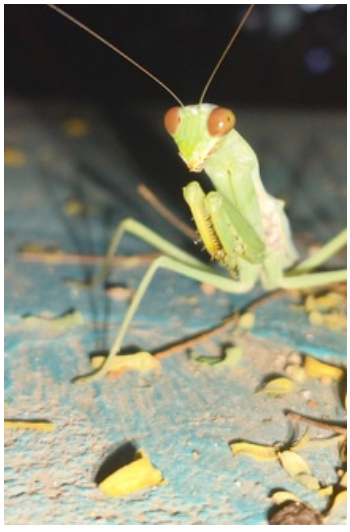
FOR 2023 | TEKWARZZ -NEWSLETTER

"Photography is the only language that can be understood anywhere in the world." - Bruno Barbey






BY TharuN



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Search

WORD SEARCH

Electronic Components

S	C	B	R	L	L	I	G	H	T	O	A	T	B
T	C	I	A	O	L	R	R	U	P	O	I	I	C
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COPPER
SWITCH
LIGHT
ELECTRICITY
OUTPUT
SAFETY
LAMP
BUZZER
BATTERY
FUSE
TRANSISTOR
CIRCUIT
MOTOR
RESISTOR
COMPONENTS
PLUG
WIRES
CABLE
PLASTIC

ABOUT OUR COLLEGE

P.S.V College of Engineering and Technology is executed by St.Joan's Educational Trust. The Founder of the Trust, Dr.P.Selvam, is an academician with rich experience in teaching and having achieved an unenviable reputation in this own profession, Dr.P.Selvam, a keen social activist and visionary, felt that he should contribute his might to the betterment of the society as a part of his social commitment. This he felt, could be achieved by promoting Educational Institutions that imp art high quality knowledge at an affordable cost so that the middle class, the less privileged and the underprivileged could get more benefits.

Globalization of Education and the Paradigm shift in teaching methodology have inspired the Trust to foster top-notch edification in multifarious spheres of learning. As a step towards materializing this dream, the Trust has founded "P.S.V. College of Engineering and Technology" to provide quality education and training to students in Engineering and Technology to prepare them to come up in the highly competitive technological fields. At P.S.V College of Engineering and Technology we aim at molding students to become intellectually luminous, globally competitive and industry ready engineers and technologists. The academic ambience at P.S.V College of Engineering and Technology will steer the students to achieve their best.

UG DEPARTMENT

1. Mechanical Engineering
2. Electronics & Communication Engineering
3. Computer Science & Engineering
4. Electrical & Electronic Engineering
5. Civil Engineering
6. Information Technology
7. Bio-Medical Engineering
8. Artificial Intelligence & Data Science

PG DEPARTMENT

1. MBA
2. (M.E) Computer Science & Engineering
3. (M.E) Embedded System Technologies
4. (M.E) Structural Engineering

HIGHLIGHTS

1. Affiliated to Anna University, Chennai
2. Approved by AICTE, New Delhi
3. ISO 9001:2015 Certified Institution
4. Excellent Infrastructure Facilities
5. Offers UG/PG Programmes
6. Highly Qualified Faculty Members
7. Placement & Training Cell
8. Industrial visits / Training / Projects to Students
9. Conducting Technical Symposia / Seminars for students