NEWSLETTER

2022-2023

ELECTROS

Department Of Electronics and Communication Engineering

EDITORIAL BOARD

OBJECTIVE:

To be one of the best platform of Electronics and Communication Engineering that provides education, research and transfer to the community a large and to be recognized as a place that encourages excellence and diversity in thought and endeavour.

VISION:

To emerge as a leading department in creating students with unique technological spirit of creativity and leadership skills that enables them to make a global impact towards the availability of technology to mankind from all walks of life.

MISSION:

1. To impart quality education, training and research at the undergraduate, post graduate and doctoral level in all the levels of Electronics and Communication Engineering.
2. Establish a unique learning environment to enable the students to face the challenges of the Electronics and Communication Engineering field.
3. To help the students to develop the skills to solve the complex technological problems of modern society.
4. To equip the students with a broad intellectual spectrum inorder to prepare them for diverse and competitive career path.

OUTCOME:

On completion of degree the Electronics and Communication graduates will be able to:

1. Utilize the basic knowledge in mathematics, science and engineering in Electronics and Communication Engineering field.
2. Identify, formulate and solve complex problems to achieve demonstrated conclusions using mathematical principles and engineering sciences.
3. Apply the contextual knowledge to assess societal, health, safety and cultural issues and endure the consequent responsibilities relevant to the professional engineering practice.
4. Perform effectively as a member/leader in multidisciplinary teams.

ELECTROS OFFICE BEARERS

ELECTROS, the electronics society of our college was initially started in the year 2001.

The Main objective of ELECTROS is to provide education, research and transfer to the community a large and to be recognized as a place that encourages excellence and diversity in thought and endeavour.

Secretary : Ajeesha James J.J of Final ECE-A

Joint Secretary : Sherin Dhanya D, Final ECE-B

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Mohamed Yosuf J, Final ECE-B

Brintha, III ECE A

Shali S.S, III ECE B

Wilfren M, III ECE B

Amina Beevi M, II ECE A

Daldon Vargis Raja J, II ECE A

Suha Fathima S, II ECE B

Krishna, II ECE B

ELECTROS INAUGURATION

Date: 15-09-2022   Time: 9.15am -12.15pm

Duration: 3-hour   Venue: ROCK AUDITORIUM

Resource Person: Dr. Raja A.S, Senior Data Scientist.Envestnet.inc

The ceremony started with the Prayer Song. The welcome speech was delivered by member Shali S.S of the electro executive. The office bearers of the ELECTROS association were introduced by the association faculty advisor, Mrs. T. Mary Little Flower. The Secretary, Ajeesha James J.J. presented the report on the Annual Plan for 2022-2023. The honorable chief guest was introduced by the president of ELECTROS, Mrs. S. Caroline HOD/ECE. The chief guest address was given by Dr. Raja A.S.,Senior Data Scientist, Envestnet Inc. The alumnus of the day was introduced by member Ms. Nimmi Mafila B. The alumnus address was given by Mr.Treasgius Sathya Dhas F.,Team Lead,Capestart. The felicitation was given by our principal Dr.J.Maheswaran. The presidential address was delivered by our correspondent Rev.Fr.Dr.M.Maria William. The Praslee Christus award sponsored by our alumna Ms.P.L Praslee Christus, was given to the best Mini project by our correspondent. The formal function ended with the votes of thanks and the college anthem.

SEMINAR ON SOFT SKILLS DEVELOPMENT

Date: 18-08-2022   Time: 1.45pm-2.45pm

Duration: 1hour   Venue: VLSI Lab

Resource Person: Dr. A. Albert Raj, Professor Sri Krishna Engineering College

A seminar on "Soft Skills Development" was organized for the final year ECE A and B section students on 18/08/2022 (Thursday) by Dr. A. Albert Raj, Professor Sri Krishna Engineering College, Coimbatore. Soft Skills is a very popular term nowadays, used to indicate personal transversal competences such as social aptitudes, language and communication capability, friendliness and ability of working in team and other personality traits that characterize relationships between people. Soft Skills are traditionally considered complementary of Hard Skills, which are the abilities to perform a certain type of task or activity. In this session, the speaker mainly taught us about how to face campus interview with our own skills and how to develop new skills. He also gave us certain tips to present a resume while we are attending an interview. As an experienced person he told us how to crack placement assessments in an easy way. During the session the students were motivated with certain real life examples. The examples were so good to connect the concept and the real scenarios. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

CAREER SKILLS DEVELOPMENT

Date: 02-09-2022   Time: 11.30am-12.15pm

Duration: 1hour   Venue: Embedded Lab

Resource Person: Er.V. Nivinth Raj, EA-New Business Initiatives.

A seminar on "Career Skills Development" was organized for the final year ECE A and B section students on 02/09/2022 (Friday) by Er.V. Nivinth Raj, EA-New Business Initiatives. Career Skills are the ability that enable to do the job and to manage the career. The session was dedicated at guiding students in making better choice in all domain of their interest including information and security and also gives to them the information of the possible upcoming opportunities in both the government and the private sector. He made a very friendly interactive and open talk about the future plans and discussions with the students. He encouraged the students in one on one discussions which made the session more interesting.
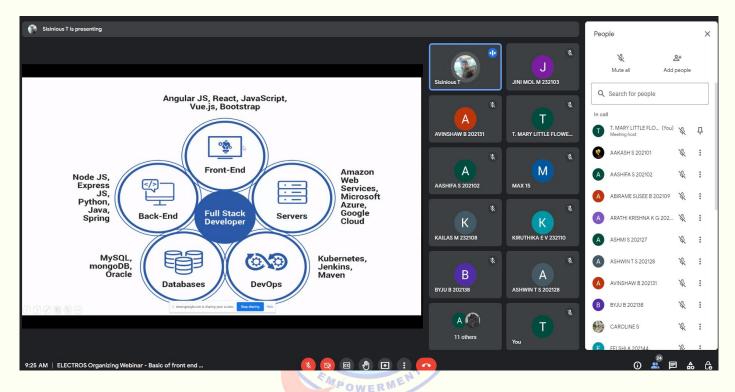
The students had clarified their doubts and problems. The session was highly informative and motivating. It made an excellent platform to make strong and intelligent decisions for their careers. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

BASIC OF FRONT-END TECHNOLOGY

Date: 17-09-2022   Time: 9.30am-12.15pm

Duration: 1hour   Venue: VLSI Lab

Resource Person: Er. Mr. Sisnious, the team lead in Linga rOS.

On September 17, 2022, ELECTROS organised a webinar on "Basic of Front End Technology" for second year ECE students. The session began with welcoming and introducing the resource person. The welcome address was delivered by faculty advisor assistant professor T.Mary Little Flower. Mr. Sisnious, the team lead in Linga rOS, was the resource person. The students gained knowledge about the coding languages in front end technology, some real-time applications, and steps to follow to be a front end developer. Some basic concepts in coding languages like HTML, CSS, and JavaScript were taught to the students. Topics like the principles of SEO, graphic design applications, and user interfaces were covered in the webinar. The webinar ended with sharing skills and ways to enhance them to become successful front-end developers.At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

HANDS ON TRAINING -PCB DESIGN

Date: 17-09-2022   Time: 9.30am-12.15pm

Duration: 2.30 hour   Venue: Electronics Lab &LIC Lab

Resource Person: Mrs. T. Mary Little Flower and Mrs.A.Anitha, Assistant Professors of St.Xavier's Catholic College of Engineering.

On September 17, 2022, ELECTROS organised hands on training on "PCB Design" for third year ECE students. The training was given to students by Mrs. T. Mary Little flower and Mrs.A.Anitha, Assistant Professors of St.Xavier's Catholic College of Engineering. Students were taught about electrical parameters like maximum current, voltages, signal types, capacitance limitations, shielding considerations, and the types and locations of circuit components and connectors. How to use the software platform was also taught to the students. They were assigned to create schematic diagrams in the software platform. Some important rules and regulations to be followed while designing a PCB board were discussed. The session ended by providing some instructions. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

WORKSHOP ON WEB DEVELOPMENT

Date: 17-09-2022   Time: 1.00pm-4.15pm

Duration: 3-hour   Venue: VLSI Lab

Resource Person: Er. Sobin, Rexknar Creative Solutions

  A hands on workshop on "Web Development" was organised by electros on September 17, 2022, for third year students. The resource person was Er. Sobin, Rexknar Creative Solutions. He interacted with students about the workings of HTML and its user interface. The students learned about creating login pages, Adding background colors, and styling fonts with HTML. The tags used in HTML languages and how HTML works in web development were explained clearly. An introduction to cascading style sheets and JavaScript was provided. All the important web development tools were discussed. The workshop ended with assigning the students to create a login page using HTML.

  All the students were actively involved in it. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

WORKSHOP ON DATA ANALYTICS AND PROJECT GUIDANCE

Date: 17-09-2022   Time: 9.00am-12.15pm

Duration: 3 hour   Venue: Embedded Lab

Resource Person: Er. Abhishek R. CEO and founder of Chek In Tek Hardware Academy

ELECTROS organized a workshop on "Data Analytics and Project Guidance" on September 17, 2022, specifically for final year students. The session was led by Er. Abhishek R., the CEO and founder of Chek In Tek Hardware Academy, Attoor. The workshop aimed to provide students with a comprehensive understanding of data analysis techniques. It covered how to categorize and analyze information, identify behavioral patterns and trends, and work with Power BI, a powerful data visualization tool. The session also emphasized the importance of statistics and computing in the field of data analytics, introducing Python functions relevant to data analysis tasks. Additionally, the future prospects of data analytics and strategies to enhance relevant skills were discussed, providing students with valuable insights into career development. Towards the end of the session, a student provided feedback, reflecting on the knowledge gained. The students expressed their gratitude to the speaker for his informative and engaging presentation. The workshop was well-received, leaving the students with a clearer understanding of data analytics and its practical applications in their future careers.

WORKSHOP ON DATA SCIENCE WITH PYTHON

Date: 17-09-2022   Time: 1.00pm-4.15pm

Duration: 3 hour   Venue: Embedded Lab

Resource Person: Er. Abhishek R. CEO and founder of Chek In Tek Hardware Academy

A workshop on "Data Science with Python" was organized by ELECTROS on September 17, 2022, for second-year ECE B students at St. Xavier's Catholic College of Engineering. The session was led by Er. Abhishek R., the CEO and founder of Chek In Tek Hardware Academy, Attoor, who served as the resource person. Er. Abhishek R. began the workshop with a brief introduction to data structures in Python, providing a foundational understanding of how data is organized and manipulated within the language. He then delved into various formatting techniques in Python, explaining how to effectively format data for readability and analysis. The session covered the use of membership operators, which are essential for testing membership within data structures like lists and sets. The workshop also introduced several important Python functions, including zip(), which combines multiple lists into a single iterable; enumerate(), which adds a counter to an iterable; Counter(), a collection module used for counting hashable objects; and range(), which generates a sequence of numbers.

SEMINAR ON PERSONALITY SKILL DEVELOPMENT

Date: 17-09-2022   Time: 1.00pm-4.15pm

Duration: 3 hour   Venue: IV ECE A

Resource Person: Er. Jenil C.S Lerneasy.org. Er. Malavika Nair, HR Associate Sutherland

On September 17, 2022, ELECTROS organized a seminar on "Personality Skills Development" for final year ECE students. The resource person was Er. Malavika Nair, HR Associate Sutherland and Er. Jenil C.S Lerneasy.org. They discussed about the essential personality development skills like personal attributes, personality traits , inherent social cues and communication abilities. They also shared the importance of improving these skills which involves the process of self-improvement and focuses on strengthening our knowledge, capabilities and self-awareness to reach your goals. It also involves the tips to follow in an interview. The seminar was very useful and highly motivating. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

SEMINAR ON COMMUNICATION IN THE FUTURE

Date: 24-09-2022   Time: 9.00am-10.30am

Duration: 1.5 hour   Venue: II ECE B

Resource Person: Er. Britto S. V., Junior Telecom Officer

    On September 24, 2022, ELECTROS organized a seminar for the second-year ECE B students on "Communication in the Future." The seminar was conducted by Er. Britto S. V., Junior Telecom Officer from Nagercoil. The seminar focused mainly on 5G networking, one of the trending technologies in recent days. The resource person discussed how his office is working towards implementing 5G connections in our surroundings and how this will revolutionize communication. The students were given an insight into how 5G networking works and what the purpose of shifting from 4G to 5G communication is. In addition to 5G networking, the seminar also touched on other important communication tools, such as satellite communication, fiber optics, and the internet of things (IoT). The students were given a glimpse of the future of communication and how it will impact our lives.

    The resource person provided practical information on 5G networking and other communication tools, which will undoubtedly help the students in their future careers. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

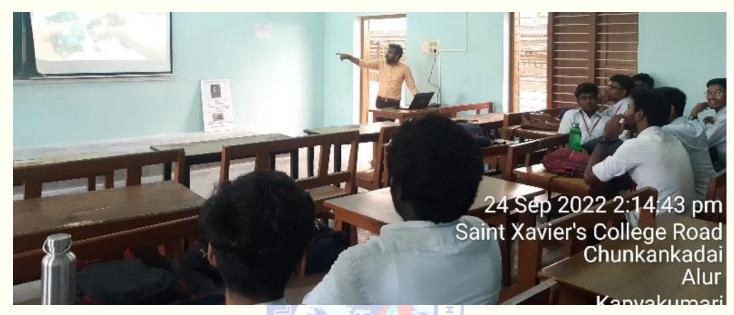# GUEST LECTURE- OVERVIEW OF MICROCONTROLLER

Date: 24-09-2022   Time: 1.00pm-2.30pm

Duration: 1.5 hour   Venue: II ECE B

Resource Person: Er. K.Gomathisankar, An Advanced Consultant Engineer,Capgemini Engineering

On September 24th, 2022, a guest lecture on "Overview of Microcontroller" was organized for second-year ECE B students at our institution. The lecture was aimed at providing students with an overview of microcontrollers and their applications in various fields. Er. K.Gomathisankar, an advanced consultant engineer at Capgemini Engineering, was invited as the resource person for the lecture. The lecture began with an introduction to microcontrollers and their basic architecture. The resource person explained the difference between microprocessors and microcontrollers and highlighted the importance of microcontrollers in embedded systems. The students were fascinated to learn about the various applications of microcontrollers, such as in automation, robotics, and control systems. He demonstrated how to write and upload a simple program to control an LED using a microcontroller. The students were amazed to see how a few lines of code could control a physical device. Overall, the lecture was a great success, and the students thoroughly enjoyed the experience. The lecture helped them gain an understanding of microcontrollers and their applications. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

WORKSHOP ON MATLAB WITH IMAGE PROCESSING APPLICATIONS

Date: 24-09-2022   Time: 9.00am-12.15pm

Duration: 3-hour   Venue: II ECE B

Resource Person: Dr. S. Maria Seraphin Sujitha and Dr. B. C. Preethi, Assistant professors, St. Xavier's Catholic College of Engineering.

On September 24, 2022, a workshop on "MATLAB with Image Processing Applications" was organized by ELECTROS for third-year ECE students. The resource persons for the workshop were Dr. S. Maria Seraphin Sujitha and Dr. B. C. Preethi, who are both assistant professors at St. Xavier's Catholic College of Engineering. The workshop began with a brief introduction to MATLAB, which covered its purpose, language, and key statements. The speakers also discussed various applications of image processing, such as X-ray imaging and UV images. The students were taught how to convert signals from image sensors into digital images and how to improve their clarity, adjust contrast, create histograms, extract the size and scale of objects in a scene, and prepare the images for display and printing.

Overall, the workshop was informative and helpful for the students in gaining a better understanding of MATLAB and its applications in image processing.

SEMINAR ON DATA SCIENCE

Date: 24-09-2022   Time: 2.45pm-4.15pm

Duration: 1.5 hour   Venue: II ECE B

Resource Person: Er. Ankayarkanni Rajendran, Software Engineer from FORMCEPT

On September 24th, 2022, a seminar on "Data Science" was organized for final-year ECE students at our institution. The seminar was aimed at providing students with an overview of data science, including its applications, tools, and techniques. Er. Ankayarkanni Rajendran, a Software Engineer from FORMCEPT, Bangalore, was invited as the resource person for the seminar.

The seminar began with an introduction to data science and its importance in today's world. The resource person explained how data science is used to extract insights and knowledge from data, and how it is transforming various industries. The students were fascinated to learn about the various applications of data science, such as in healthcare, finance, and marketing. After the introductory session, the resource person gave a live demonstration of a data science project. She demonstrated how to use Python to perform sentiment analysis on social media data. The students were amazed to see how a few lines of code could be used to extract insights from a large dataset. The seminar concluded with a Q&A session. Overall, the seminar was a great success, and the students thoroughly enjoyed the experience. The seminar helped them gain an understanding of data science and its applications.

WORKSHOP ON VERILOG HDL

Date: 24-09-2022   Time: 1.15pm -4.15pm

Duration: 3 hour   Venue: VLSI

Resource Person: Mrs. C. Renit, Dr. T. Ajitha, Assistant Professors, SXCCE

A workshop on "Verilog HDL" was organized on September 24th, 2022, for third-year ECE students at St.Xavier's Catholic College of Engineering. The workshop was conducted by Mrs. C. Renit and Dr. T. Ajitha, Assistant Professors in the Electronics and Communication Engineering, SXCCE. The workshop provided an overview of Verilog HDL and its applications in digital circuit design. The speakers discussed the importance of Verilog HDL in the current digital design landscape and its ability to model and simulate digital circuits efficiently.The session focused on the basics of Verilog HDL, including its syntax and structure. The students were introduced to the fundamental building blocks of Verilog HDL, such as modules, ports, and wires, and they were provided with hands-on practice in designing simple digital circuits using Verilog HDL. The workshop was well received by the students, who found it to be informative and interactive. They appreciated the opportunity to learn from experienced professionals in the field and to gain hands-on experience in digital circuit design using Verilog HDL. Overall, the workshop was a valuable learning experience for the students and helped them to gain a better understanding of Verilog HDL and its applications in digital circuit design.

WORKSHOP ON VHDL

Date: 24-09-2022   Time: 9.00am -12.15pm

Duration: 3 hour   Venue: VLSI

Resource Person: Dr. Y. R. Annie Besant C, Mrs. V.Femila Savio, Assistant Professors, SXCCE

On September 24, 2022, ELECTROS organized a workshop for the final year ECE students on "VHDL." The workshop was conducted by two resource persons, Dr. Y. R. Annie Besant C, and Mrs. V.Femila Savio, Assistant Professors of Electronics and communication at St.Xavier's Catholic College of Engineering.The workshop started with an introduction to Verilog HDL, which is a hardware description language used for designing digital circuits. The resource persons explained the importance of Verilog HDL in the field of digital design and how it is used to describe the behavior of digital circuits. She then gave a brief history of Verilog and how it has evolved over the years. The next part of the seminar focused on the syntax and structure of Verilog HDL. They explained the different data types and operators used in Verilog and how they can be used to model digital circuits also explained the different types of modules in Verilog and how they can be used to create complex designs. The final part of the workshop covered the synthesis and implementation of Verilog designs. Overall, the workshop was a great success, and the students found it to be very informative and useful.

SEMINAR ON PLC & SCADA

Date: 24-09-2022   Time: 9.00am -12.15pm

Duration: 3 hour   Venue: EEE Seminar hall

Resource Person: Mr. G. Renjith, Business Development Executive, Thiruvananthapuram

On September 24th, 2022, a seminar on "PLC & SCADA" was organized for final-year ECE students at our institution. The seminar was aimed at providing students with an overview of Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems, which are widely used in industrial automation. Mr. G. Renjith, a Business Development Executive from Thiruvananthapuram, was invited as the resource person for the seminar. The seminar began with an introduction to PLC and SCADA systems. The resource person explained the basics of PLC and how it is used to control and automate industrial processes. He also explained the advantages of using a PLC over traditional relay-based control systems. The students were fascinated to learn about the various applications of PLC, such as in manufacturing, transportation, and energy systems. The resource person also provided an overview of SCADA systems and their functions. He explained how SCADA is used to monitor and control industrial processes, and how it can be used to collect and analyze data. He also discussed the different components of a SCADA system, such as sensors, programmable logic controllers, and human-machine interfaces.

WORKSHOP ON PHOTOSHOP

Date: 24-09-2022   Time: 1.00pm -4.15pm

Duration: 3-hour   Venue: VLSI

Resource Person: Er.J.B. Asweanth, Cruise Ship Photography, U.S.A.

On September 24th, 2022, a workshop on "Photoshop" was organized by ELECTROS for second-year ECE A students at St.Xavier'sCatholic College of Engineering. The workshop was aimed at providing students with practical knowledge of Photoshop and its usage in photography. Er.J.B. Asweanth, a renowned photographer from Cruise Ship Photography, U.S.A., was invited as the resource person for the workshop.

The workshop began at 9:00 AM with an introduction to the basic concepts of Photoshop, such as layers, filters, and tools. Er.J.B. Asweanth demonstrated the usage of these concepts in image editing and manipulation. He also explained how to use Photoshop for correcting color, adjusting exposure, and removing unwanted elements from images. The students were amazed to see the various possibilities and creative opportunities that Photoshop provides in the world of photography.

GUIDANCE FOR COMPETITIVE EXAMS

Date: 24-09-2022   Time: 9.00am -12.15pm

Duration: 1.5 hour   Venue: VLSI

Resource Person: Mrs. I. Jenila, CEO, Ms. Shiqnaz Anas, Radiance IAS Academy.

On September 24, 2022, ELECTROS organized a seminar for the second year ECE students on "Guidance for Competitive Exams." The seminar was conducted by two resource persons, Mrs. I. Jenila, CEO, and Ms. Shiqnaz Anas, from Radiance IAS Academy.

The seminar began with a comprehensive list of competitive exams that engineering students can take, and their relevance in the jobs. The resource persons then explained the importance and objectives of competitive exams, and the benefits of taking these exams. They also shared the syllabus for the exams, and discussed the weightage of each course.

To help students prepare for the exams, the resource persons shared some valuable tips and strategies for cracking the exams. They stressed the importance of time management, effective study habits, and staying focused on the goals. They also encouraged the students to improve their communication skills and to be confident in their abilities.

SEMINAR ON EFFECTIVE COMMUNICATION

Date: 24-09-2022   Time: 10.45am -12.15pm

Duration: 1.5 hour   Venue: F312

Resource Person: Dr. R. James Ligorias, M.A., M.Phil., Ph.D.

On September 24, 2022, ELECTROS organized a seminar for the second-year ECE students on "Effective Communication." The seminar was conducted by Dr. R. James Ligorias, M.A., M.Phil., Ph.D., a professor at St. Xavier's Catholic College of Engineering. The seminar began with a brief introduction to effective communication and its importance in both personal and professional lives. Dr. Ligorias then discussed the five important keys to effective communication, including listening, speaking clearly, being concise, being confident, and being empathetic.The students were also given steps to achieve effective communication, which included knowing the audience, using appropriate body language, and maintaining eye contact. Dr. Ligorias emphasized the importance of practicing communication skills and provided tips for improving communication, such as reading and writing regularly and using technology to communicate. The resource person provided practical tips and techniques for effective communication, which will undoubtedly help the students in their personal and professional lives. The training and practice exercises also helped the students gain confidence in their communication skills.

WORKSHOP ON VERILOG HDL

Date: 24-09-2022   Time: 1.00pm -4.15pm

Duration: 3 hour   Venue: VLSI

Resource Person: Mrs.C.Renit & Dr.T.Ajitha, Assistant Professors, SXCCE

On September 24, 2022, ELECTROS organized a workshop for the third year ECE students on "Workshop on Verilog HDL ". The seminar was conducted by two resource persons, Mrs.C.Renit & Dr.T.Ajitha, Assistant Professors of Electronics and communication at St.Xavier's Catholic College of Engineering. The workshop started with an introduction to Verilog HDL, which is a hardware description language used for designing digital circuits. The resource persons explained the importance of Verilog HDL in the field of digital design and how it is used to describe the behavior of digital circuits. She then gave a brief history of Verilog and how it has evolved over the years. This workshop also covered the simulation and verification of Verilog designs. They explained the different types of simulations and how they can be used to test the functionality of a design.The final part of the workshop covered the synthesis and implementation of Verilog designs. Overall, the workshop was a great success, and the students found it to be very informative and useful. This workshop provides the students with a good understanding of Verilog HDL and its importance in the field of digital design. The students also learned how to write simple Verilog programs and how to simulate and verify their designs. The workshop ended with a Q&A session where the students asked questions and cleared their doubts about Verilog HDL.

LAYOUT DESIGN USING CADENCE

Date: 24-11-2022   Time: 9.00am -4.15pm

Duration: 8 hours   Venue: PG Lab

Resource Person: Er. B. Deepesh, Gold Light Technologies.

Alur, Tamil Nadu, India
Civil Dept, St Xavier's College Rd, Chunkankadai, Alur, Tamil
Nadu 629003, India
Lat 8.196879°

On November 24, 2022, ELECTROS organized a one day hands on workshop for the PG students on "Layout design using CADENCE ". The workshop was conducted by the resource person, Mr. B. Deepesh, Gold Light Technologies. The workshop started with an introduction to CADENCE. The resource persons explained the importance of this workshop and give an overview and hands-on experience to the participants on the state-of-theart EDA tools for VLSI Design. This workshop gave the idea about Cadence Design Systems followed by hands-on training on CMOS Analog and Digital design. The students were motivated and have an exposure to the Circuit design & Simulation, Layout design. This workshop was a great experience for the students who are interested to learn the techniques of Analog IC Design as well. Overall, the workshop was a great success, and the students found it to be very informative and useful. This workshop provides the students with a good understanding of CADENCE and its importance in the field of digital design. The workshop ended with a Q&A session where the students asked questions and cleared their doubts about CADENCE.

SEMINAR ON AMAZON WEB SERVICE

Date: 11-03-2023   Time: 10.30am -12.15pm

Duration: 2 hours   Venue: IV ECE B

Resource Person: Ms. R. Jhoncy, Network Systems, Nagercoil.

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Chunkankadai, Alur, Tamil Nadu 629003, India
Lat 8.19579°
Long 77.383611°
11/03/23 11:54 AM GMT +05:30

On Saturday, March 11, 2023, ELECTROS organized an enlightening seminar on "Amazon Web Services" (AWS). The seminar was conducted by Ms. R. Jhoncy from Network Systems, Nagercoil, an esteemed alumna of St. Xavier's Catholic College of Engineering. The event aimed to provide students with a comprehensive understanding of AWS and its significance in the modern technological landscape. The seminar began with Ms. R. Jhoncy providing an overview of her institution, Network Systems. She detailed the various courses offered to students, emphasizing the institution's commitment to staying abreast of technological advancements. She also highlighted the upcoming domains in technology, giving students insights into future career opportunities and industry trends. In the next session, Ms. Jhoncy delved into the core topic of AWS. Overall, the seminar on AWS organized by ELECTROS was a resounding success. The students left the seminar with a greater understanding of AWS and an appreciation for the opportunities it offers in the tech industry.

SEMINAR ON PYTHON WITH AI

Date: 10-09-2022   Time: 10.00am-12pm

Duration: 2hours

Resource Person: Mr. Jebamony Mathias, Chief Executive Officer and Mrs. Banurekha, Senior Software Engineer of Step Software Solutions Pvt. Ltd., Chennai.

    A seminar on "Python with AI" was organized for the second and third year ECE students on 10/09/2022 by Mr. Jebamony Mathias, Chief Executive Officer and Mrs. Banurekha, Senior Software Engineer of Step Software Solutions Pvt. Ltd., Chennai. They gave the idea about Artificial Intelligence. It is a way of making a computer, a computer-controlled robot, or a software think intelligently, in the similar manner the intelligent humans think. AI is accomplished by studying how human brain thinks, and how humans learn, decide, and work while trying to solve a problem using python language. They taught us about basic components of AI and its advantages. They gave the knowledge about Python. It is considered to be in the first place in the list of all AI development languages due to the simplicity. The syntaxes belonging to python are very simple and can be easily learnt. Therefore, many AI algorithms can be easily implemented in it. Python takes short development time in comparison to other languages like Java, C++ or Rupy. Python supports object oriented, functional as well as procedure oriented styles of programming. There are plenty of libraries in python, which make our tasks easier. For example: Numpy is a library for python that helps us to solve many scientific computations. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

SEMINAR ON EMPLOYABILITY SKILLS DEVELOPMENT

Date: 10-09-2022   Time: 2.00pm-4.00pm

Duration: 2hours

Resource Person: Er. A. Axilium Jaya Mary,Operational Director of Tamil Nadu Transmission Corporation.

    A seminar on "Employability skills development" was organized for the final year ECE students on 10/09/2022 by Er. A. Axilium Jaya Mary, Operational Director of Tamil Nadu Transmission Corporation. In this session, the speaker mainly taught us about the how to face campus interview with our own skills and how to develop new skills. She also gave us certain tips to present a resume while we are attending an interview. She explained the importance of body language in corporate field. Email and telephone etiquettes were practiced along with practice of resume writing. Grooming was explained with the tips for preparation for interview. During the seminar, the students were taught about some good etiquette to be followed while attending interviews. Tips and guidelines for attending HR interview were also dealt in detail. As an experienced person she told us how to crack placement assessments in an easy way. During the session the students were motivated with certain real life examples. She gave ideas in employability and opportunities in corporate world. At the end of the session feedback was given by a student. All the students thanked the speaker with a grateful mind.

A NATIONAL LEVEL TECHNICAL SYMPOSIUM
ECE-CONFAB 2023

Date: 25-03-2023   Time: 9.00am -4.15pm

Duration: 8 hour   Venue: Rock Auditorium

Resource Person: Mr.M.Monikantan, Assistant General Manager, BSNL, Nagercoil

ELECTROS, the association of the Electronics and Communication Engineering department at St. Xavier's Catholic College of Engineering, Nagercoil, organized the National Level Technical Symposium "ECE-CONFAB 2023" on 25th March 2023. The event commenced with a prayer song, followed by a welcome address from Faculty Advisor Mrs. T. Mary Little Flower and the annual report presentation by Secretary Ms. J.J. Ajeesha James. Dr. S. Caroline introduced the chief guest, Mr. M. Monikantan, Assistant General Manager of BSNL, who then delivered an inspiring address. Dr. V. Christus Jeya Singh, Vice-Principal, and Rev. Fr. Dr. M. Maria William, the correspondent, also addressed the gathering. The symposium featured various technical and non-technical events. A quiz preliminary was conducted for other college students, followed by paper presentations in the Rock Auditorium and VLSI Lab, with 36 papers presented by both intra and inter-college participants. Poster presentations and circuit debugging were held in the Electronics Lab, while a technical talk was conducted in the LIC Lab. Additionally, non-technical events such as "Con tak tix," "Spell Quest," and "Mind meld" added to the diversity of the symposium.

MOTIVATIONAL SPEECH

Date: 20-03-2023   Time: 9.15am -12.15pm

Duration: 3 hour   Venue: ROCK AUDITORIUM

The ceremony started with the Prayer Song. The welcome speech was delivered by member Shali S.S of the electro executive. The office bearers of the ELECTROS association were introduced by the association faculty advisor, Mrs. T. Mary Little Flower. The Secretary, Ajeesha James J.J. presented the report on the Annual Plan for 2022-2023. The honourable chief guest was introduced by the president of ELECTROS, Mrs. S. Caroline HOD/ECE. The chief guest address was given by Dr. Raja A.S.,Senior Data Scientist, Envestnet Inc. The alumnus of the day was introduced by member Ms. Nimmi Mafila B. The alumnus address was given by Mr.Treasgius Sathya Dhas F.,Team Lead,Capestart. The felicitation was given by our principal Dr.J.Maheswaran. The presidential address was delivered by our correspondent Rev.Fr.Dr.M.Maria William. The Praslee Christus award sponsored by our alumna Ms.P.L Praslee Christus, was given to the best Mini project by our correspondent. The formal function ended with the votes of thanks and the college anthem.

SEMINAR ON AI AND MACHINE LEARNING

Date: 21-03-2023   Time: 2.45pm -4.15pm

Duration: 1.30 hour   Venue: VLSI

Resource Person: Mr. R. Santhosh Rajan, Technical trainer, E-max, Marthandam

Nagercoil, Tamil Nadu, India
St. Xavier's Catholic College of Engineering, 59WM+CC2, St Xavier's
College Rd, Chunkankadai, Nagercoil, Tamil Nadu 629003, India
Lat 8.196075°

Seminar on "AI and Machine Learning" held on 21/03/2023 from 2:45-4:15pm. The resource person is Mr. R. Santhosh Rajan, Technical trainer at E-max in Marthandam ,who is the Alumni of the 2019 batch. He gives a lot more idea on IOT-Internet of Things and its application which is a part of machine learning. He explained the basic things such as definition of Machine Learning with examples, introduction of Machine Learning, need of Machine Learning and importance of Machine Learning. How this Machine Learning works in the modern world and the process goes while the machine learns the process with application and the four level of machine learning that is, X-test , Y-test, X-train, Y-train , Fraud prevention on Machine Learning are able to gained. In between we can able to get a session for brain games with interesting fact for understanding the concept related to the topic on Machine Learning. At last there is a small talk on who will pursue their dream with three types of people with Interest, purpose and forced were discussed .The session ends with giving feedback. The program was knowledgeable and useful. More information about the Machine learning was the focused topic on the session.

SEMINAR ON INTRODUCTION TO MAINFRAMES TSO/ISPF

Date: 21-03-2023   Time: 2.45pm -4.15pm

Duration: 1.30 hour   Venue: E104

Resource Person: Mr.P.Jeya Bright, Cape Institute of Technology

Seminar on "Introduction to mainframes TSO/ISPF" held on 21/03/2023 from 2:45-4:15pm for final year ECE students. The resource person is Mr. P.Jeya Bright, Cape Institute of Technology.

He gives a lot more idea on Time Sharing Option/Extensions (TSO/E) allows users to create an interactive session with the z/OS system. TSO provides a single-user logon capability and a basic command prompt interface to z/OS. He explained the basic things such as "Interactive System Productivity Faciliy". ISPF is a full panel application navigated by keyboard. ISPF includes a text editor and browser, and functions for locating and listing files and performing other utility functions. He shares more information on TSO functions.

This session is an interactive session gained lot more about TSO/ISPF. The session ends with giving feedback. The program was knowledgeable and useful. More information about the TSO/ISPF.

INDUSTRIAL VISIT

Date: 05-04-2023   Time: 8.30am -4.15pm

Duration: 7.30-hour   Venue: Vikram Sarabhai Space Centre

Resource Person: Trainer, Vikram Sarabhai Space Centre

The second year BE, ECE A students and four faculty members of our college visited the Vikram Sarabhai Space Centre, Trivandrum on 05 April 2023.We started from college around 7:45 AM and we reached Trivandrum around 11:00 AM. After the initial verification the students and faculty were allowed to go to the museum. A video show of 15 minutes duration was played for our students. It explained the initial stages of VSSC and their different launches. Also it explained the various applications of satellites, ISRO's own Lunar and interplanetary   missions along with other scientific projects which encourages and promotes science education. The Indian Space Research Organization (ISRO) is responsible for design, development, assembly & integration of communication, navigation, remote sensing, and scientific small satellite missions.

For the benefit of students and public there is a space exhibition center at VSSC. Our students were able to see the exhibition. It includes the models of the first Indian satellite Aryabhatta, APPLE, INSAT series etc. They explained about the VSSC , the museum and satellites. Satellites are basically of two types - Indian Remote Sensing (IRS) satellites and communication satellites. IRS-1A was the first remote sensing mission undertaken by the Indian Space Research Organization (ISRO). This pioneering mission marked a significant milestone in India's space exploration journey, showcasing the country's growing capabilities in satellite technology and remote sensing applications. During the session, students gained valuable knowledge about the intricacies of broadcasting television signals using satellites. They learned about the various processes involved in transmitting and receiving signals from space to Earth, highlighting the critical role satellites play in modern communication systems. A highlight of the session was the demonstration of a working model of both geosynchronous and polar orbiting satellites. The geosynchronous satellites, which remain fixed relative to a specific point on Earth, and the polar orbiting satellites, which travel over the poles and provide global coverage, were explained in detail.

JOURNALS:

1. T.V. Chithra and **A. Milton**, Energy proficient reduced coverage set with particle swarm optimization for distributed sensor network, Computer systems Science and Engineering, 45-2, 2022.

2. Haiter Lenin A, Vettivel, **Mary Vasanthi S**, Wear behaviour of a Cu-Ni-Sn hybrid composite reinforced with B4C prepared by powder metallurgy technique, Strojniski-Vestnik-Journal of Mechanical Engineering, 69, 5-6,275-283,2023.

3. **Y. R. Annie Bessant** · J. Grace Jency · K. Martin Sagayam · A. Amir Anton Jone,Digvijay Pandey· Binay Kumar Pandey, Improved parallel matrix multiplication using Strassen and Urdhvatiryagbhyam method, CCF transactions on high performance computing, 5,102-115,2023.

4. Chrispin Jiji, **Annie Bessant**, K. Martin Sagayam, A. Amir Anton Jone Hatıra Günerhan & Alphonse Houwe, A new model to detect COVID-19 patients based on Convolution Neural Network via l1 regularization, Applied Mathematics in Science and Engineering, 31, 1,1-18,2023.

5. Ascar Davix X1 & **Judson D2** & Sinha G R3, License Plate Localization using Kernel Search Multi-wavelet Decomposition, Multimedia Tools and Applications, vol 82, pp. 289,2023.

6. Merin Joshiba, **D. Judson2** , Vidhyacharan Bhaskar3, A Comprehensive Review on NOMA Assisted Emerging Techniques in 5G and Beyond 5G Wireless Systems, Wireless Personal Communication, Vol 130, pp. 23,2023.

7. V. Vijimon Moni, **D. Judson**, L. G. X. Agnel Livingston, A. Annie Portia, Effect of Tunicated Allium Cepa Bulb Leaf Activated Biochar on Poly Vinyl Alcohol Composite Shielding material for Electronics Applications, Biomass Conversion and Bio refinery,2023.

8. **D Judson**, J Arun Prem Santh , Rajib Kar, Vidhyacharan Bhaskar4, Joint PAPR reduction and carrier frequency offset compensation in SC-FDMA systems using modified gamma correction companding, Sadhana - Academy Proceedings in Engineering Sciences, Vol 48, 123,2023.

9. X. Ascar Davix, **D.Judson**, R.Jeba, Optimised denoising sparse autoencoder for the detection of outliers for face recognition, Int. J. Biometrics, 15,3/4,2023.

10. Nalamani G. Praveena, Kandasamy Selvaraj, **David Judson**, Mahalingam Anandaraj, Low Complexity Ordered Successive Interference Cancellation Detection Algorithm for Uplink MIMO SC-FDMA System, ETRI Journal,2022.

11. **B.C. Preethi**,G. Sugitha, G. Kavitha, Intrusion Detection Framework using stacked auto encoder based deep neural network in IOT network, Concurrency and computation practice and experience, 34,28,2022.

12. **B.C. Preethi**, G Sugitha, G Kavitha, Cycle-consistent generative adversarial network optimized with water strider optimization algorithm fostered intrusion detection framework for securing cloud computing environment, Concurrency Computation and Practical Experience, 35,5,2022.

13. C Reeda Lenus , M Haris, **C. Sheeja Herobin Rani**, A Non Linear Circuit Model for Silicon Tunnel Field Effect Transistors, Journal of Electronics Materials,2023.

14. C. Reeda Lenus , M. Haris , **C. Sheeja Herobin Rani**, Drain Charge Technique in TFET for Analog Transconductor Application, Silicon,2022.

15. Reeda Lenus C , Haris M, Ajayan J , **Sheeja Herobin Rani C**, Improving the Performance in Tunnel FET Using Novel Barrier Lowering Technique, Malaysian Multidisciplinary Journal, 01 -06-25-30,2022.

16. **T.Mary Little Flower**, T.Jaya, Speech emotion recognition using Ramanujan Fourier Transform, Applied Acoustics, 201-2022-109133,2022.

17. Ancy John, **T.Latha**, Stock Market Prediction based on Deep Hybrid RNN Model and Sentiment Analysis, Automatika: Journal for Control, Measurement, Electronics, Computing and Communications,2023.

18. A Anto Viji, J. Jasper, **T. Latha**, Efficient Secure Aware Scheduling Model for Enhancing Security and Workflow Model in Cloud Computing, Optik,2023.

19. T. Dhanushya, **T.Latha**, High Reliability Soft Error Hardened Latch Design for Nanoscale CMOS Technology using PVT Variation, Wireless Personal Communications,2022.

20. Arul King, J., **Helen Sulochana C.**, An efficient deep neural network to segment lung nodule using optimized HDCCARUNet model, Journal of Intelligent & Fuzzy Systems, 44,6,10113-0129,2023.

21. L. B. Lisha , C, **Helen Sulochana**, Highly accurate blood vessel segmentation using texture-based modified K-means clustering with deep learning model, Concurr. Comput. Pract. Exp, 35,7,2023.

22. K. Suresh Kumara,**C. Helen Sulochana**, A. S. Radhamanic , T. Ananth Kumara, Sentiment lexicon for cross-domain adaptation with multi-domain dataset in Indian languages enhanced with BERT classification model, Journal of Intelligent & Fuzzy Systems, 43, 6433?6450,2022.

23. **C. Helen Sulochana** ,Praylin Selva Blessy, Interstitial lung disease detection using template matching combined sparse coding and blended multi class support vector machine, proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 236,10, 1492-01,2022.

24. K. Suresh Kumar, **C. Helen Sulochana**, Local search five-element cycle optimized reLU-BiLSTM for multilingual aspect-based text classification, Concurrency and Computation: Practice and Experience,34,8,2022.

25. **Arul King. J, Dr. C. Helen Sulochana**, An efficient deep neural network to segment lung nodule using optimized HDCCARUNet model, Journal of Intelligent & Fuzzy Systems, 44-6-10113,2023.

26. **S. Selvin Pradeep Kumar**, C. Agees Kumar, R. Jemila Rose, An efficient SLM technique based on chaotic biogeography-based optimization algorithm for PAPR reduction in GFDM waveform, Automatika, 64-1-93-103,2022.

UNIVERSITY RANK HOLDERS:

LEKSHMI NAIR K S
B.E. Electronics and
Communication

JENISHA SNOWFY S
M.E. Communication
Systems

FDPS ATTENDED BY THE FACULTY DURING 2022-2023:

Sl.No	Staff Name	Programme	Venue	Agency	From Date	To Date
1	Dr. D. JERALDIN AUXILLIA	Medical Image Processing.	Online	Electronics & ICT Academies IIT Roorkee, MNIT Jaipur.	2022-08-22	2022- 09-02
2	S. CAROLINE	Machine Learning and its real time applications.	Online	SMVEC	2023-03-06	2023-03-10
3	S. CAROLINE	Recent trends in Image Processing and its applications.	Velammal Institute of Technology	ECE, Velammal Institute ofTechnology	2022-09-21	2022-09-27
4	Dr. S. MARY VASANTHI	Machine Learning and its real time applications.	Sri Manakula Vinayagar Engineering College	CSE	2023-03-06	2023-03-10
5	Dr. S. MARY VASANTHI	Embedded systems and IOT.	Rajalakshmi Institute of Technology	Center for IOT	2022-08-08	2022-08-12
6	Dr. S. MARY VASANTHI	MATLAB - Artificial Intelligence and Optimisation Techniques.	NITTTR,C handigarh	AICTE	2022-11-21	2022-11-25

7	Dr. S. ABSA	Machine Learning and its real time Applications.	Online	Shri Manakula Vinayakar Engg College Pondicherry	2023-03-08	2023-03-10
8	Dr. S. ABSA	MAT Lab - Artificial Intelligence and optimization.	St.Xavier's Catholic College of Engg	NITTTR-Chandigarh	2022-11-21	2022-11-25
9	Dr. S. ABSA	Embedded Systems and IoT.	Rajalakshmi Institute of Technology		2022-08-08	2022-08-12
10	Dr.Y.R. ANNIE BESSANT	Machine learning and its real time application.	Online	Sri Manakula Vinayagar engineering college	2023-03-06	2023-03-10
11	Dr.Y.R. ANNIE BESSANT	Free & Open Source Software for Effective Curriculum.	Online	NITTTR-Chandigarh	2023-02-20	2023-02-24
12	Dr.Y.R. ANNIE BESSANT	MATLAB-Artificial Intelligence and Optimization.	Online	NITTTR-Chandigarh	2022-11-21	2022-11-25
13	Dr.Y.R. ANNIE BESSANT	Embedded system and IOT.	Online	RAJA LAKSHMI INSTITUTE OF TECHNOLOGY	2022-08-08	2022-08-12
14	C. RENIT	Recent Trends in 5G Communication, Design &Technologies.	Online	RAJALAKSHMI ENGINEERING COLLEGE- IIC	2022-07-05	2022-07-09
15	Dr. T. AJITHA	MATLAB-AI and Optimization Techniques.	SXCCE	ICT	2022-11-21	2022-11-25
16	Dr. B.C. PREETHI	MATLAB - Artificial Intelligence and Optimisation Techniques.	SXCCE	NITTTR	2022-11-21	2022-11-25
17	A.C. JINISHA	Teaching for GATE.	St. Xavier's Catholic College of Engineering	St. Xavier's Catholic College of Engineering	2023-01-04	2023-01-06
18	A.C. JINISHA	Machine Learning and Real time Applications.	Online	Sri Manakula Vinayagar Engineering College	2023-03-06	2023-03-10

19	A.C. JINISHA	MATLAB-Artificial intelligence & optimization techniques.	Online	National Institute of technical teacher training a	2022-11-21	2022-11-25
20	A.C. JINISHA	Embedded systems and IOT.	Online	Rajalekshmi engineering college	2022-08-08	2022-08-12
21	Dr. Y. MARY REEJA	Machine language and its real time applications.	Online	Sri Manakula Vinayagar Engineering College	2023-03-06	2023-03-10
22	Dr. T. LATHA	From Zero to Chip Design Workshop using Open power cores.	SXCCE	MNIT Jaipur, NIT Patna, & IIT Roorkee	2022-08-22	2022-09-02
23	Dr. C. HELEN SULOCHANA	Medical Image Processing	Electronics and ICT Academies at IIT Roorkee,	Ministry of Electronics and Information Technology	2022-08-22	2022-09-02
24	J ARUL KING	Outcome Based Curriculum Design	Chandigarh	NITTTR - Chandigarh	2023-02-13	2023-02-17
25	J ARUL KING	Machine Learning and its real-time Application	Puducherry	Sri Manakula Vinayagar Engineering College	2023-03-06	2023-03-10
26	J ARUL KING	Future Research and Innovation technologies	Kanyakumari	IET- Kanyakumari Local Network	2023-03-06	2023-03-11
27	J ARUL KING	MATLAB - Artificial Intelligence and Optimization Techniques	Chandigarh	NITTTR - Chandigarh	2022-11-21	2022-11-25
28	L. MACEAL TONY	MATLAB - Artificial Intelligence and Optimisation Techniques	Online	NITTTR	2022-11-21	2022-11-25
29	E. CHRISTO ELJIN RAJ	MATLAB - Artificial Intelligence and Optimisation Techniques	SXCCE	NITTTR-Chandigarh	2022-11-21	2022-11-25

30	STARWIN.M	Bio-Medical Sensors and Signal Processing	Online	Loyola Institute of Technology	2023-01-09	2023-01-13
31	STARWIN.M	Machine Learning and its Real-Time Applications	Online	Sri Manakula Vinayagar Engineering College	2023-03-06	2023-03-10
32	STARWIN.M	Matlab-Artificial Intelligence & Optimization Techniques	St. Xavier's Catholic College of Engineering	NITTTR, Chandigarh	2022-11-21	2022-11-25
33	BABY LISA K	Cognitive computing	Online	Vels Institute of science and technology & advance	2023-03-20	2023-03-24
34	BABY LISA K	Deep Learning	Online	Army Institute of Technology, Pune	2023-01-09	2023-01-20
35	BABY LISA K	Teaching for GATE	SXCCE	GATE Training cell	2023-01-04	2022-12-06
36	BABY LISA K	Data science 2.0	Online	Pantech e learning Pvt ltd, Chennai	2022-09-20	2022-10-21
37	BABY LISA K	Powering IOT	Fx Engineering College	Nan mudhalvan	2022-09-26	2022-09-30
38	Dr. L.FEMILA	Deep Learning	Online	Army Institute of Technology,	2023-01-09	2023-01-20
39	Dr. L.FEMILA	Future Generation Communication And Networking	Online Mode	Jerusalem College of Engineering	2023-01-02	2023-01-07
40	Dr. L.FEMILA	Cognitive Computing	Online Mode	Vels Institute of Science, Technology	2023-03-20	2023-03-24
41	Dr. L.FEMILA	Free and Open source software for Effective Curriculum	Online Mode	NITTTR-Chandigarh	2023-02-20	2023-02-24
42	Dr. L.FEMILA	Artificial Intelligence and Machine Learning	Online Mode	National Engineering College, Kovilpatti	2023-02-06	2023-02-11
43	Dr. L.FEMILA	Naan Mudhalvan Training	Government College Tirunelveli	TN government association with InGage Technologies	2022-09-30	2022-09-30
44	Dr. L.FEMILA	Data Science 2.0 Master Class	Online Mode	Pantech e Learning Pvt. Ltd, Chennai - APSSDC	2022-09-20	2022-10-21

FUNDED PROJECT REPORTS:

Sl.No	Staff Name	Area	Co-Researchers	Title	Appl.Date	Status	Agency	Order No	Sanctioned Amt
1	Dr. Y.R. ANNIE BESSANT	VLSI	CO INVESTIGATOR	VLSI Implementation of Energy Consumption Monitori	2022-07-11	Ongoing	CDAC Bangalore	MeitY vide computer no.3080449	38
2	Dr. C. SHEEJA HEROBIN RANI	VLSI	Dr.T.Latha /Dr.C.Sheeja Herobin Rani	VLSI Implementation of CNN Architectures for Real	2021-12-28	Sanctioned	Ministry of Electronics &IT (Microelectronics Dev)	EE-9/2/2021-R&D-E	0
3	Dr. Y. MARY REEJA	VLSI	CO INVESTIGATOR	VLSI Implementation of Energy Consumption Monitori	2022-07-11	Ongoing	CDAC Bangalore	MeitY vide computer no.3080449	38
4	Dr. T. LATHA	VLSI	Chief Investigator	VLSI implementation of CNN architectures	2022-03-14	Sanctioned	CDAC, Bangalore		3800000
5	Dr. C. HELEN SULOCHANA	VLSI	Dr. T. Latha/Dr.C.Helen Sulochana	VLSI implementation of CNN Architectures for Reals	2022-05-22	Ongoing	Chips to Start-up (C2S)	EE-9/2/2021 - R&D-E	3800000

STAFF'S ACHIEVEMENT:

Sl.No	Staff Name	Award/Recognition/Appreciation	Sponsor	Int./Nat./Clg
1	Dr. A. MILTON	Reviewer	Elsevier - Signal Processing	International
2	Dr. A. MILTON	Reviewer	Hindawi Computational Intelligence and Neuroscienc	International
3	Dr. A. MILTON	Resource Person - FDP - BT And Design Of Los	NAAC and HIT Coimbatore	National
4	Dr. A. MILTON	Reviewer	Frontiers Public Health	International
5	Dr. D. JERALDIN AUXILLIA	Reviewer	ELSEVER- EDITORS OF ISATRANSACTION	International
6	Dr. S. CAROLINE	Interviewer - Hiltek Robotic Center - Recruitment	Hiltek	College
7	Dr. S. CAROLINE	Reviewer	ICCCEM2022 , UCEN	International
8	Dr. S. MARIA SERAPHIN SUJITHA	Reviewer		International
9	Dr. S. MARIA SERAPHIN SUJITHA	Reviewer		International
10	Dr. S. MARIA SERAPHIN SUJITHA	Centum Results	SXCCE	College
11	Dr. S. MARIA SERAPHIN SUJITHA	Guest Lecture		National
12	Dr. S. ABSA	Reviewer	Internet of Things	International

13	Dr. Y.R. ANNIE BESSANT	Reviewer	Soft Computing-springer	International
14	Dr. Y.R. ANNIE BESSANT	Judge -Tech Talk	ELECTROS	National
15	Dr. Y.R. ANNIE BESSANT	Centum Result	SXCCE	College
16	Dr. Y.R. ANNIE BESSANT	Resource Person	ELECTROS	College
17	C. RENIT	Paper Presentation Judge	Center for Research and Development, SXCCE	College
18	C. RENIT	Guest Lecturer	Electros-Verilog HDL	College
19	Dr. T. AJITHA	Nm Mentoring	IBM Career Education	University
20	Dr. T. AJITHA	Close To Centum	SXCCE	University
21	Dr. T. AJITHA	Institute Representative(Exam Observer)	NPTEL(IIT Madras)	National
22	Dr. T. AJITHA	Classical Dance Competition Judge-Calida Festa	SXCCE	College
23	Dr. T. AJITHA	Guest Lecture	Electros-Verilog HDL	College
24	Dr. B.C. PREETHI	Expert - Teaching Learning And Assessment	Good Shepard College of Engineering and Technology	College
25	Dr. B.C. PREETHI	Reviewer	Inderscience journal	International
26	Dr. B.C. PREETHI	Reviewer	Inderscience journal	International
27	Dr. B.C. PREETHI	External Audit	Good Shepard College of Engineering and Technology	College
28	Dr. B.C. PREETHI	Cyber Security Course Attended 26/8/2022 - 08/9/2022	ICT ACADEMY	National
29	Dr. B.C. PREETHI	Jury-YOUTHTALK	ICT ACADEMY-SXCCE	State
30	Dr. C. SHEEJA HEROBIN RANI	Journal Publishing	SXCCE	International
31	Dr. C. SHEEJA HEROBIN RANI	Guest Lecturer	SXCCE	College
32	V. FEMILA SAVIO	Guest Lecture	ECE, SXCCE	College
33	V. FEMILA SAVIO	Resource Person	ECE, SXCCE	College
34	T. MARY LITTLE FLOWER	Hands On Training-PCB Design	ELECTROS Association	College
35	A. ANITHA	Guest Lecture		College
36	A. ANITHA	Resource Person	ELECTROS	College
37	Dr. T. LATHA	Best Paper Award	NICHE	International
38	Dr. T. LATHA	Chair	NICHE	International
39	Dr. T. LATHA	Technical Reviewer	NICHE	International

40	Dr. C. HELEN SULOCHANA	Training The Students In Biomedical Field	Harvey Biomedical	State
41	Dr. C. HELEN SULOCHANA	Clarivate Analytic Award	SXCCE	State
42	STARWIN.M	Participation	The Institution of Green Engineers	National
43	BABY LISA K	Resource Person (11-5-23 To 23-5-23)	SXCCE	College
44	BABY LISA K	Resource Person 27-4-23	ISTE	College
45	BABY LISA K	Resource Person 18-4-23	Robotics club	College
46	BABY LISA K	Resource Person 11-4-23	Robotics Club	College
47	BABY LISA K	Resource Person (28/11/22 To 2/12/22)	SkillsDa - Naan Mudhalvan Master Trainer	State
48	Dr. L. FEMILA	Reviewer Of ASTESJ	ASTES Journal	International
49	Dr. L. FEMILA	Dc Member	Anna University Chennai	University

STUDENT'S ACHIEVEMENT IN CO-CURRICULAR ACTIVITIES:

Sl. No	Name of the student	Name of the Event	Organizer	Prize won
1.	Dhanush Ben B	Quizard	TECHSAT 22, DMI Engineering College, Aravaimozhi	I
2.	Godwin N	Quizard	TECHSAT 22, DMI Engineering College, Aravaimozhi	I
3.	Gerald Briyolan B	Book Chapter Title: Convergence of Block chain to Artificial Intelligence Applications (pages:253-270) Doi:10.4018/978-1-6684-6937-8.ch012	Publisher: IGI Global	-
4.	Mohamed Shameem	Quiz	RTECE 2K23 C.S.I Institute of Technology,Thovalai, K.K.Dist.	I
5.	Suha Fathima S	Quiz	RTECE 2K23 C.S.I Institute of Technology, Thovalai,K.K.Dist.	I
6.	Dahila Paulette S	UmagineChennai-Tech Showcase'23	ICT Academy	Regional Finals

	Aiswariya S D	Topic: Specific Intelligent Fire Management System (Team ID: PNT2022TMID34718)		
	Akshaya S V			
	Deepika S			
7.	Tata T Poli Venkata Meghana	Quiz	National Level Technical Symposium Department of ECE National Engineering College, Kovilpatti	I
	Priya R P			
8.	V.M.Sachidhanadha Prabhu	Quiz	National Level Technical Symposium Department of ECE National Engineering College, Kovilpatti	II
	Mohamed Shameem			
9.	S.S. Rishitha	Digi Design Competition	National Level Technical Symposium Department of ECE National Engineering College, Kovilpatti	II
	Haritha H K			
10.	S.S. Rishitha	Reveal Me Competition	National Level Technical Symposium Department of ECE National Engineering College, Kovilpatti	II
	Haritha H K			
11.	S. Suha Fathima	Paper Presentation	National Level Technical Symposium Department of EEE, Ponjesly College of Engg,Nagercoil	I
12.	E.V. Kiruthika	Quiz	National Level Technical Symposium Department of EEE, Ponjesly College of Engg,Nagercoil	II
	R. Siva Sandhiya			
13.	S. Suhaina	Quiz	National Level Technical Symposium Department of EEE, Ponjesly College of Engg,Nagercoil	I
	Varsha M M			

14.	V.M.Sachidhanandha Prabhu	Quiz	National Level Technical Symposium Department of ECE, Ponjesly College of Engg,Nagercoil	I
	Mohamed Shameem			
15.	V.M. Sachidhanandha Prabhu	Tek-Thesis Competition	National Level Technical Symposium Department of ECE, Ponjesly College of Engg,Nagercoil	II

STUDENT'S ACHIEVEMENT IN EXTRA-CURRICULAR ACTIVITIES:

Sl.No	Roll No.	Name of the student	Name of the Event	Organizer	Date	Prize won
1.	232029	C.K.Sherjin	Silambam Fighting game	II INDO-NEPAL Invitational International Championship -2022	01.08. 22 to 05.08. 22	Gold Medal
2.	232029	C.K.Sherjin	Silambam performance	National Level Competition 2022-Open Lord Jegannath College of Engineering and Technology, Kanyakumari.	23.7.22 & 24.7.22	I
3.	2321	X. Maxminush	High Jump	KanyaKumari Open Junior Athletic Championship-2022	01.10.22 & 02.10.22	I
4.	232105	John Rixon	Foot ball	Zone-19 ,Anna university Tournament	11.10.22 & 12.10.22	Gold Medal
5.	232115	X. Maxminush	High Jump	Zone-19 ,Anna university Tournament	23.11.22	Silver Medal
6.	232115	X. Maxminush	Long Jump	Zone-19 ,Anna university Tournament	23.11.22	III
7.	232032	Tata T Poli Venkata Meghana	Badminton	Zone-19 ,Anna university Tournament	04.11.22	Runner

8.	202033	Edsrone Nithin.E	Basket Ball	Zone-19 ,Anna university Tournament	16.11.22	**Third Place**
9.	232016	M. Parikshith	Rhythm of Mar Festa	Inter-College Cultural Fest, Mar Festa 2k23.	10.3.23	**I**
10.	232016	M. Parikshith	Rock Band	Inter-College Cultural Fest, Mar Festa 2k23.	10.3.23	**I**
11.	232029	Daarshiya S	Rhythm of Mar Festa	Inter-College Cultural Fest, Mar Festa 2k23.	10.3.23	**I**
12.	232029	Daarshiya S	Group Song Competition	Sree Ayyappa College for Women.		**I**
13.	202033	Edsarone Nithin E	Rhythm of Mar Festa	Inter-College Cultural Fest, Mar Festa 2k23, Mar Ephraem College of Engineering and Technology,Elavuvilai,Marthandam	10.3.23	**I**
14.	202033	Edsarone Nithin E	Rock Band	Inter-College Cultural Fest, Mar Festa 2k23, Mar Ephraem College of Engineering and Technology,Elavuvilai,Marthandam	10.3.23	**I**
15.	232010	Haritha H K	Guess the Song Competition	National Level Technical Symposium Department of ECE National Engineering College, Kovilpatti	17.3.23	**II**
16.	232151	S. Suha Fathima	Action Reaction Event	National Level Technical Symposium Department of EEE, Ponjesly College of Engg,Nagercoil	18.3.23	**II**
17.	232145	R. Siva Sandhiya	Action Reaction Event	National Level Technical Symposium Department of EEE, Ponjesly College of Engg,Nagercoil	18.3.23	**II**
18.	232105	J.John Rixson	Gamez	UDHAYAM ' 23 An Intercollegiate Technical and Cultural Fest , Kalaignar Karunanidhi Institute of Technology, Coimbatore.	24.3.23	**I**

PLACED STUDENTS:

Sl.No	Student name	University Serial No.	M/F	On/Off Campus	Name of the Employer	Salary PerAnnum
1	AJEESHA JAMES J J	962219106011	F	OFF	ZOHO CORPORATION	7
2	AJEESHA JAMES J J	962219106011	F	ON	CENTIZEN	3.07
3	THARAVI SREE NISHA G T	962219106063	F	ON	HEXAWARE TECHNOLOGIES	4
4	JOSEPH MATILDA JOHN	962219106039	F	ON	HEXAWARE TECHNOLOGIES	4
5	THARAVI SREE NISHA G T	962219106063	F	ON	COGNIZANT	4
6	JIJISHA STARLIN S	962219106037	F	ON	COGNIZANT	4
7	DAHLIA PAULETTE S	962219106024	F	ON	COGNIZANT	4
8	SIVA BALAN R	962219106061	M	ON	H & R BLOCK	5.27
9	THARAVI SREE NISHA G T	962219106063	F	ON	H & R BLOCK	5.27
10	JIJISHA STARLIN S	962219106037	F	VIRTUAL	TATA CONSULTANCY SERVICES (TCS)	3.36
11	JOSEPH MATILDA JOHN	962219106039	F	VIRTUAL	TATA CONSULTANCY SERVICES (TCS)	3.36
12	KARTHICK RAJ R	962219106040	M	ON	INFINITI SOFTWARE SOLUTIONS	4.5
13	ABIYA BRITTOLIN M	962219106008	F	ON	JOY TECHNOLOGIES	2.6
14	AMAR SINGH U	962219106016	M	ON	JOY TECHNOLOGIES	2.6
15	JERSHA J	962219106035	F	ON	JOY TECHNOLOGIES	2.6
16	MEERA REESHMAN P	962219106043	F	ON	JOY TECHNOLOGIES	2.6
17	JENET S	962219106033	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
18	SHABEEN SONIYA A	962219106057	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
19	SINTHU P	962219106060	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
20	AKHILA BABU	962219106012	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
21	DHANUJA R	962219106026	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
22	REHAS ROVIO P	962219106051	M	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
23	AAKASH SARAVANAN K V	962219106001	M	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
24	VINISHA V	962219106064	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
25	ASHIKA S	962219106020	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
26	MOHAMED YOSUF J	962219106044	M	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
27	AMAR SINGH U	962219106016	M	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
28	SAKTHI PRIYA E K	962219106054	F	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59
29	DINESH SINGH M	962219106028	M	ON	QUINTESSENCE BUSINESS SOLUTIONS	2.59

30	KARTHICK RAJ R	962219106040	M	ON	DIGITAL LOGICIEL SOLUTIONS Pvt.Ltd.	4
31	SINTHU P	962219106060	F	ON	DIGITAL LOGICIEL SOLUTIONS Pvt.Ltd.	4
32	DINESH SINGH M	962219106028	M	ON	DIGITAL LOGICIEL SOLUTIONS Pvt.Ltd.	4
33	RAKSITH R	962219106050	M	ON	DIGITAL LOGICIEL SOLUTIONS Pvt.Ltd.	4
34	DEEPIKA S	962219106025	F	ON	DIGITAL LOGICIEL SOLUTIONS Pvt.Ltd.	4
35	JIJISHA STARLIN S	962219106037	F	VIRTUAL	CSS CORP	3.75
36	DAHLIA PAULETTE S	962219106024	F	VIRTUAL	CSS CORP	3.75
37	AKHILA BABU	962219106012	F	ON	VI MICRO SYSTEM Pvt. Ltd.	2.1
38	JOHN BENARGIN J	962219106302	M	ON	VI MICRO SYSTEM Pvt. Ltd.	2.1
39	ABIPRASAD P P	962219106005	M	ON	VI MICRO SYSTEM Pvt. Ltd.	2.1
40	ASLIN SHAHANA R	962219106021	F	ON	VI MICRO SYSTEM Pvt. Ltd.	2.1
41	MADHU SINGH R	962219106042	M	ON	VI MICRO SYSTEM Pvt. Ltd.	2.1
42	AKSHAYA S V	962219106014	F	ON	VI MICRO SYSTEM Pvt. Ltd.	2.1
43	ATHULYA S	962219106023	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
44	ASHIKA S	962219106020	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
45	VINISHA V	962219106064	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
46	DHANUJA R	962219106026	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
47	SAKTHI PRIYA E K	962219106054	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
48	PAULIN SHEFIA C P	962219106048	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
49	AKHILA BABU	962219106012	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
50	ANU NANDHINI M A	962219106019	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
51	JENET S	962219106033	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
52	SHERIN DHANYA D	962219106059	F	ON	JSE ENGINEERING Pvt. Ltd.	2.4
53	SHABEEN SONIYA A	962219106057	F	ON	WEBBERAX	2.64
54	SINTHU P	962219106060	F	ON	WEBBERAX	2.64
55	DEEPIKA S	962219106025	F	ON	WEBBERAX	2.64
56	RAKSITH R	962219106050	M	ON	JUST DIAL Ltd.	2.55
57	YUVARAJ BHARATH S	962219106065	M	ON	JUST DIAL Ltd.	2.55
58	MOHAMED YOSUF J	962219106044	M	ON	JUST DIAL Ltd.	2.55
59	NIXON CHRISTHU RAJ S	962219106046	M	ON	JUST DIAL Ltd.	2.55
60	REHAS ROVIO P	962219106051	M	ON	JUST DIAL Ltd.	2.55
61	ANTO ROHITH B	962219106018	M	ON	JUST DIAL Ltd.	2.55
62	SAKTHI PRIYA E K	962219106054	F	ON	TECH MAHINDRA	1.8

63	AKHILA BABU	962219106012	F	ON	TECH MAHINDRA	1.8
64	RESHMA XAVIER ROASTTA X	962219106052	F	ON	TECH MAHINDRA	1.8
65	AISWARIYA S D	962219106009	F	ON	TECH MAHINDRA	1.8
66	ASHIKA S	962219106020	F	ON	TECH MAHINDRA	1.8
67	DHANUJA R	962219106026	F	ON	TECH MAHINDRA	1.8
68	NIXON CHRISTHU RAJ S	962219106046	M	ON	TECH MAHINDRA	1.8
69	MADHU SINGH R	962219106042	M	ON	TECH MAHINDRA	1.8
70	RAKSITH R	962219106050	M	ON	TECH MAHINDRA	1.8
71	JISHNU A K	962219106038	M	ON	TECH MAHINDRA	1.8
72	RAKSITH R	962219106050	M	ON	SOFT SQUARE SOLUTIONS	3.13
73	SHERIN DHANYA D	962219106059	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
74	SUSHMI J	962219106062	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
75	JENET S	962219106033	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
76	LAEVI JERISHA A	962219106041	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
77	ASLIN SHAHANA R	962219106021	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
78	ANGELIN BENITA E	962219106017	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
79	ASWINI D B	962219106022	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
80	AISWARIYA S D	962219106009	F	ON	UNIQUE MEASUREMENT SERVICE	1.62
81	NIXON CHRISTHU RAJ S	962219106046	M	ON	InfaWorx DATA MANAGEMENT SERVICES	3
82	SANJAI V	962219106055	M	ON	InfaWorx DATA MANAGEMENT SERVICES	3
83	ATHULYA S	962219106023	F	ON	PIT SOLUTIONS	2.76
84	YUVARAJ BHARATH S	962219106065	M	ON	RELEVANTZ TECHNOLOGY SERVICES	2
85	SHERIN DHANYA D	962219106059	F	ON	RELEVANTZ TECHNOLOGY SERVICES	2
86	LAEVI JERISHA A	962219106041	F	ON	RELEVANTZ TECHNOLOGY SERVICES	2
87	MOHAMED YOSUF J	962219106044	M	VIRTUAL-ON	SUTHERLAND GLOBAL SERVICES Pvt. Ltd.	2.5
88	RAHITHA R V	962219106049	F	VIRTUAL-ON	SUTHERLAND GLOBAL SERVICES Pvt. Ltd.	2.5
89	GHOWDHAM KALYANASUNDARAM	962219106301	M	ON	SCOPE T&M Pvt.Ltd.	3

INDUSTRIAL VISIT:

2022-2023	Kerala State Electronics Development Corporation Limited (KELTRON)	27/10/2022	II ECE A & B

	PanTech Solutions, Chennai	28/10/2022 29/10/2022	III ECE A & B
	Prolific Systems & Technologies Pvt. Ltd., Chennai		
	Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram	05/04/2023	II ECE A & B

INTERNSHIP ATTENDED BY THE STUDENT:

No. of Internship Training	Company Name	Duration	Student Details
8 (37)	Kerala State Electronics Development Corporation Ltd.	1 Week 3/8/2022 to 9/8/2022	AAKLIN BRITTO B M -202001
			ASANTOW M A - 202017
			COLLINS DAVID C S - 202027
			DHANUSH BEN B - 202032
			EDSARONE NITHIN E - 202033
			FRANCIS XAVIER S - 202035
			GERALD BRIYOLAN B - 202036
			GODWIN N -202037
			GOKUL M - 202038
			ANANTHU P NAIR - 202039
			LIBIN SAM S L - 232008
			MOHAMED IMRAN A - 232013
			WILFREN M - 232035
	Trinity Technologies, Nagercoil	1 Week 23/07/2022 to 29/07/2022	ABINAYA J R - 202003
			ABINISHA B R - 202004
			ABISHA B - 202006
			ABISHA M - 202007
			ADLIN BABI K - 202008
			AMIE SHERIN D - 202010
			ANCILIN PRINCY A - 202011
			ANGELIN BRETTY S - 202012
			ANGELIN GRACIA A - 202013
			AROCKIA SHALINI A - 202016
			BIJOSHA J - 202022
			CHELSEA SHALIN S - 202026
			COLLINS VINSHA A - 202028
			FATHIMA SHAPNA AASHME Y- 202034
	Marcello Tech, Trichy	1 week 19/6/23 to 26/6/23	ASHLIN STEPHY K - 202018
	ISRO propulsion complex,Mahendragiri.	2 weeks 25/07/2022 to 09/08/2022	HARITHA H K - 232001
			RISHITHA S S - 232022

Pantech e learning,Chennai	4 weeks 31/03/2023 to 30/04/2023	RAHUL S - 232019	
Pantech e learning, Punjagutta, Hyderabad	2 weeks 25/07/2022 to 05/05/2022	TATA T POLI VENKATA MEGHANA- 232032	
HiTech Solutions	2 weeks 19/07/2022- 04/08/2022	HASWIN S - 232002	
		SHAFIN KHAN S - 232024	
Chek.In.Tek, Puzhiyamoodu, Thiruvattar	3 weeks 18/01/2023 to 03/02/2023	JEMI RAMEESHA J L - 232004	
		SHAMINI S - 232027	
		SRIVIDHYA S - 232030	

St. Xavier's Catholic College of Engineering

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For UG Programs EEE, ECE & ME [Tier II, 2018-2019 to 2021-2022] and Validity is extended up to June 2025.

For UG Programs CE, CSE & IT [Tier II, 2021-2022 to 2023-2024]

Recognized under section 2(f) & 12(B) of UGC Act, 1956

UG Programs (ECE, EEE, Mech, Civil, CSE & IT), MBA & MCA Programs Permanently Affiliated

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