



## Student Centric methods

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# Jyothi Engineering College

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A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR

JYOTHI HILLS, VETIKATTIRI P.O., CHERUTHURUTHY, THRISSUR, 679531 | Ph. +91 4884 259000 | info@jecc.ac.in | www.jecc.ac.in



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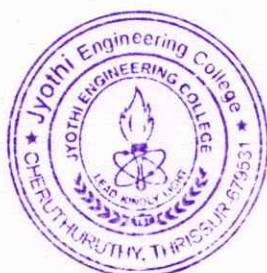
## DEPARTMENT OF COMPUTER SCIENCE ENGINEERING PROJECT TOPICS

Sl.No	NAME OF MEMBERS	Topic	Guide
1	Fiza Khan	Mental health support chatbot	Ms. Soniya Joseph
2	Diya Sunil		
3	Jismy Jose		
4	Jyothika Radhakrishnan		
5	Edwin Money	Conversational Interview and Training Assistance	Dr. Swapna B Sasi
6	Augustin C Benny		
7	Aswin K		
8	Ken T Shine		
9	Adarsh R B	AI virtual mouse for paralyzed people using Face detection	Ms. Neethu Joseph
10	Akhin Keeazhangote		
11	Athulya K K		
12	Harsha K A		
13	Akshay KS	NFT marketplace	Ms. Sona Shaju K
14	Annrose Paul		
15	Aswathdev Devanand		
16	Dawn Biju		
17	Ajsal Iqbal EP	Cloud-Based Video Streaming Service	Dr. Valanto Alappat
18	Athul Jestin		
19	Hisham N		
20	Akshay S Menon		
21	Aadil Mohammed Sayad	Voice-Assisted E-mail System for the Blind	Mr. Aneesh Chandran
22	Adithyanarayanan S		
23	Afreen Poly		
24	Dhinoo		
25	Celia Babu P	Social Listening using Sentimental analysis and SPAM Review Elimination.	Mr. Shaiju Paul
26	Cyrin Dady		
27	Christy George Joseph		
28	Aswajith		
29	Harikrishna R Nair	Machine learning website	Ms. Aswathy Wilson
30	Ajith		
31	Alisha R Alappat		
32	Ann Lia Jeejo		



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33	Amal Sony	<b>Automated Diagnosis of Skin Diseases from Dermatological Images Using Deep Learning</b>	<b>Ms. Sobha Xavier P</b>
34	Allan Geo		
35	Alan R Alappat		
36	Adarsh T.V		
37	Anusha Joseph	<b>Flood Monitoring</b>	<b>Ms. Aswathy Wilson</b>
38	Emil Erinjery		
39	Aswin Joseph		
40	Alfin Johnson		
41	Labeeb Mohiyadheen	<b>State Government Fund allocation and Tracking System</b>	<b>Ms. Anumol C S</b>
42	Dhiya V B		
43	Fathima Rifa K		
44	Godwin Joja		
45	Aishwarya K T	<b>Spoiled food detection</b>	<b>Mr. Saju C</b>
46	Asna P T		
47	Jerald		
48	Kiran		
49	Abhinav Padmarajan	<b>Automatic attendance detection system</b>	<b>Mr. Vysagh M</b>
50	Alfin lawrence		
51	Ananthakrishnan		
52	Anzal Akbar Ali		
53	Abhin Murali V	<b>Illegal Drug Trafficking reporting using blockchain</b>	<b>Ms. Jyothsna G K</b>
54	Arjun M S		
55	Joyel P R		
56	Elvin Vincent		
57	Anith Eldho	<b>Waste Disposal reporting using blockchain</b>	<b>Mr. Arun k</b>
58	Adarsh T Issac		
59	Ashvin Anto		
60	Joel Jojo		



*Jose P Therattil*

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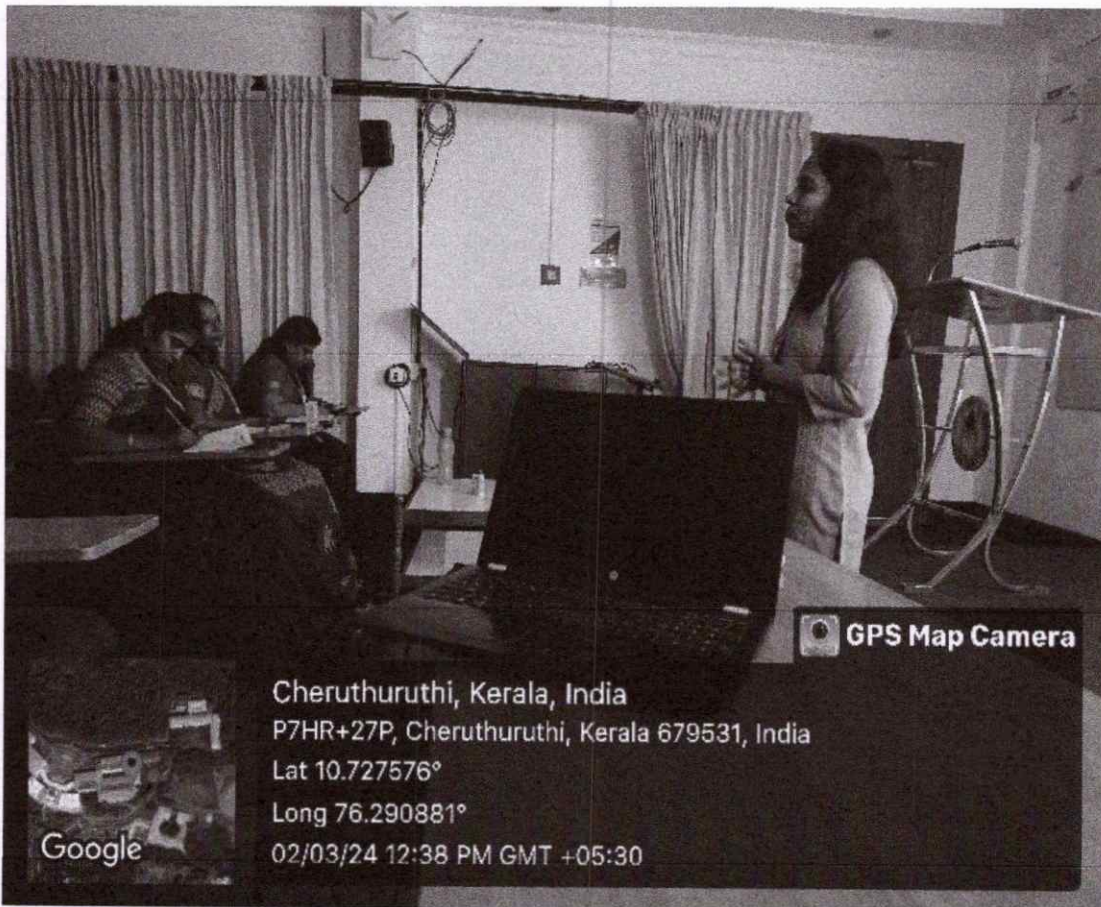
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## TECHNICAL EVENTS

IDEA Fest was organized jointly by the Women Development Cell and the Electronics and Communication Engineering (ECE) department, in collaboration with the Indian Society for Technical Education (ISTE) and the Innovation and Entrepreneurship Development Cell (IEDC) of Jyothi Engineering College on March 2, 2024. The event aimed to promote innovative solutions for enhancing women's safety.



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## TECHNICAL EVENTS

The ISTE Student Chapter successfully organized a Chandrayaan Quiz Competition on October 6, 2023. The quiz aimed to enhance students' knowledge of India's Chandrayaan missions and space exploration.

**Congratulations**

**Winners of  
CHANDRAYAAN QUIZ  
COMPETITION**

CONDUCTED BY  
ISTE STUDENTS CHAPTER  
JYOTHI ENGINEERING COLLEGE.

**1<sup>st</sup> POSITION**  
KURIAN ANDREWS - S1 CE

**2<sup>nd</sup> POSITION**  
DANE JOSEPH - S1 ME

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Engineering College



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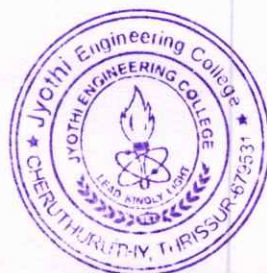
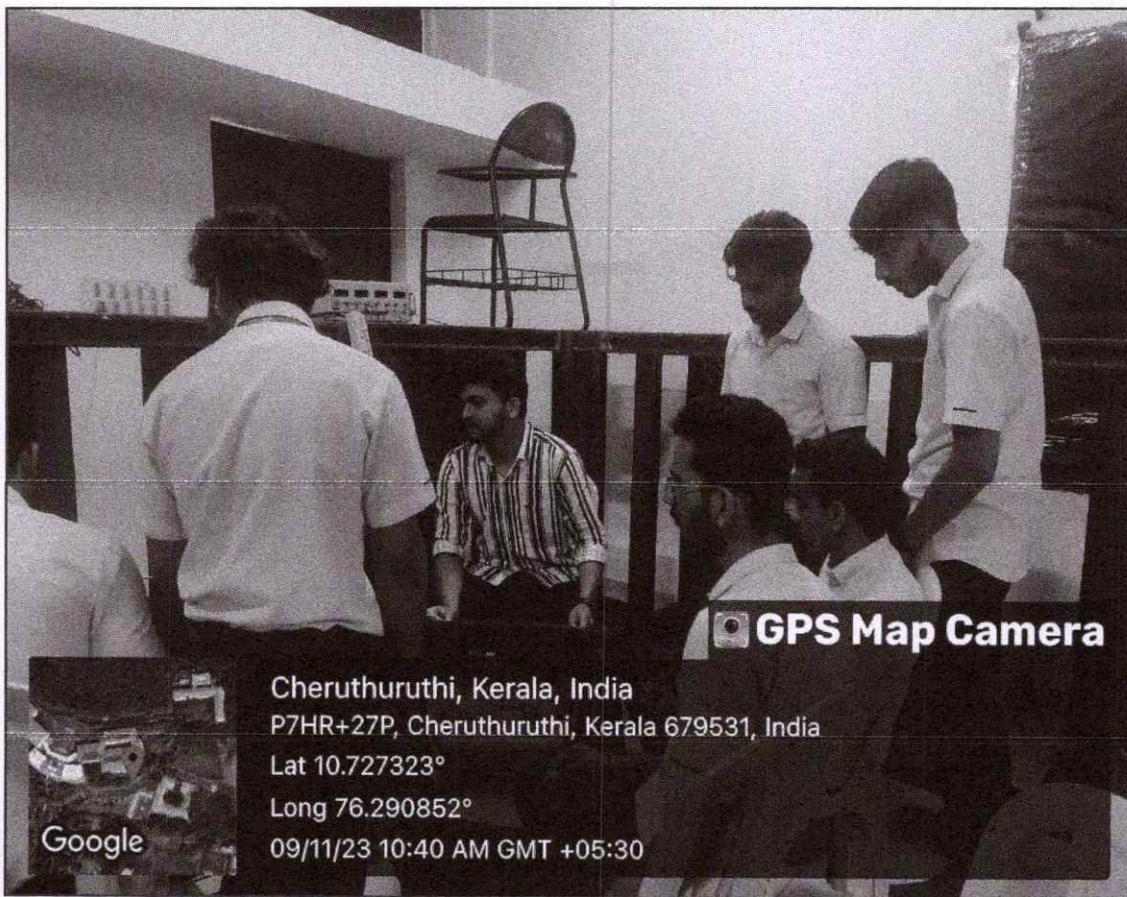
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## WORKSHOP

ISTE Student Chapter, conducted a one-day workshop on "LASER BEAM CREATION" for the third-year students. The resource person from final year ECE, Mr. Athul P K. The purpose of the workshop is to give an introduction to the laser beam development.



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## WORKSHOP

Capabl, a startup company, conducted a two-day workshop on Full Stack Web Development at Jyothi Engineering College. The workshop aimed to introduce students to the concepts, technologies, and tools involved in web development, covering both front end and backend aspects.



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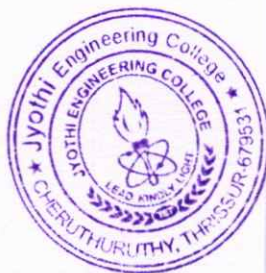
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## WORKSHOP

CESA for the year (2023-2024) has conducted a two-day hands-on workshop on 'Matlab and Simulink For AI Applications' for the computer science and engineering batch of 2022-2026. This workshop was conducted on October 30th and 31st, 2023 for CSE B and CSE A respectively. The resource person for the workshop was Mr. Siva Subramanian R - Application Engineer, CoreEL Technologies.



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## WORKSHOP

The two-day workshop on "Empowering Innovation: A Design Thinking Journey" organized by the Computer Science association CESA in association with CSI Chapter Jyothi Engineering College was successfully conducted on March 1<sup>st</sup> and 2<sup>nd</sup>, 2024. The workshop aimed to introduce 2nd-year Computer Science students to the principles and methodologies of design thinking, fostering creativity, empathy, and collaborative problem-solving skills.



Cheruthuruthi, Kerala, India  
P7HR+27P, Cheruthuruthi, Kerala 679531, India  
Lat 10.72749°  
Long 76.290669°  
01/03/24 09:26 AM GMT +05:30



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## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### SEMINAR PRESENTATION

Sl.No	Student Name	Topic	Guide
1	ARUNRAJ A	REFRESHABLE BRAILLE DISPLAY WITH ADJUSTABLE CELL SIZE FOR LEARNERS WITH DIFFERENT TACTILE SENSITIVITY	Ms. Neethu Rose Thomas
2	AISWARIYA . R	REFRESHING REFRESHABLE BRAILLE DISPLAY'S	
3	STINOY STEEPHEN	A MICROMACHINED REFRESHABLE BRAILLE CELL	
4	EDWIN K.V	DECODING KNOWLEDGE TRANSFER FOR NEURAL TEXT TO SPEECH TRAINING	
5	JOSE BOBBY	ANDA :AN INNOVATIVE MICRO-LOCATION MOBILE TICKETING SOLUTION BASED ON NFC AND BLE TECHNOLOGIES	Ms. Roshni Rajan K
6	ABNA I P	DOCUMENT VERIFICATION:A CLOUD-BASED COMPUTING PATTERN RECOGNITION APPROACH TO CHIPLESS RFID	
7	AUSTIN DAVEY THOMAS	INSTRUMENTED OFFICE CHAIR WITH LOW-COST PLASTIC OPTIC FIBER SENSORS FOR POSTURE CONTROL AND WORK CONDITIONS OPTIMIZATION	
8	PRAJITH PRASANTH	SEAT OCCUPANCY DETECTION SYSTEM AND BREATHING RATE MONITORING BASED ON A LOW COST WAVE RADAR	
9	ABHIRAM K SANAL	REAL TIME OBSTACLE AVOIDANCE USING DUAL TYPE PROXIMITY SENSOR FOR SAFE HUMAN ROBOT INTERACRTION	Ms. Ambily Francis
10	AKASH P R	UNMANNED AERIAL VEHICLES IN AGRICULTUE	
11	ALAGA CHANDRAN	ENERGY AND SAFETY AWARE OPERATION OF BATTERY POWERED AUTONOMOUS ROBOTS IN AGRICULTURE	
12	JEWEL ANOJ	ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS FOR SUSTAINABLE FARMING AND SMART AGRICULTURE	



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13	ANAND RAJAN	A FLEXIBLE FRAMEWORK FOR EXPLORING, EVALUATING AND COMPARING SHA-2 DESIGNS	Ms. Bindhu K Rajan
14	DELNA JOSEPH	A HIGH-EFFICIENCY FPGA- BASED MULTI MODE SHA-2 ACCELERATOR	
15	GEON WILSON	ACCELEARTION OFOF THE SECURE HASH ALGORITHM-256 ON AN FPGA CPU CLUSTER USING OPENCL	
16	SINTA PAULY	INVESTIGATING THE AVALANCHE EFFECT OF VARIOU SCRYPTOGRAPHICALLY SECURE HASH FUNCTIONS AND HASH-BASED APPLICATIONS	
17	ABHIRAM A R	LEARNING DISCRIMINANT SPATIAL FEATURES WITH DEEP GRAPH BASED CONVOLUTIONS FOR OCCULDED FACE DETECTION	Mr. Ponmani Raja M
18	EDWIN ROSHAN N	DESIGN FOR VISITOR AUTHENTICATION BASED ON FACE RECOGNITION TECHNOLOGY USING CCTV	
19	NOVWELL FRANCIS	CHINESE FACE DATA SET FOR FACE RECOGNITION IN AN UNCONTROLLED CLASSROOM ENVIRONMENT	
20	ABINAND V NAIR	FACE SHAPE -GUIDED DEEP FEATURE ALIGNMENT FOR FACE RECOGNITION ROBUST TO FACE MISALIGNMENT	
21	KRISHNAJA	PROGRESSIVE FEATURE FUSION ATTENTION DENSE NETWORK FOR SPECKLE NOISE REMOVAL IN OCT IMAGES	Ms. Drisya M K
22	VAISHNAV S	LEARNING ALGORITHMS FOR LOW-DOSE CT SCAN IMAGE DENOISING MODELS: A SYSTEMATIC LITERATURE REVIEW	
23	KRISHNENDHU S	MODIFIED BILATERAL FILTER FOR FEATURE ENHANCEMENT IN MESH DENOISING	
24	JUBLE M B	BLIND UNIVERSAL BAYESIAN IMAGE DENOISING WITH GAUSSIAN NOISE LEVEL LEARNING	
25	JEWEL GABRIEL	AUTOMATIC ROBOTIC SYSTEM FOR IDUSTRIAL PAINTING	Ms. Saritha P
26	BINOY V B	ROBOTIC WHEEL CHAIR BASED ON VOICE RECOGNITION SYSTEM	
27	SUJITH P	DESIGN OF SMART BARTENDER WITH PERISTALTIC PUMPS	



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28	ANLI JOY	UV-CDS:AN ENERGY-EFFICIENT SCHEDULING OF UAVs FOR PREMISES STERILIZATION	Dr. Sindhu S
29	REMYA P	A SMART STERILIAZATION ROBOT SYSTEM WITH CHLORINE DIOXIDE FOR SPRAY DISINFECTION	
30	ALBERT THOMAS	TOWARDS CUSTOMIZABLE ROBOTIC DISINFECTION WITH STRUCTURE-AWARE SEMANTIC MAPPING	
31	PRANAV PRASAD	BLOCKCHAIN EMPOWERED MULTI ROBOT COLLABORATION TO FIGHT COVID 19 AND FUTURE PANDEMIC	
32	JOE KOLATHINGAL	PORTABLE AND REAL-TIME IOT BASED HEALTH CARE MONITORING SYSTEM FOR DAILY MEDICAL APPLICATIONS	Sr. Jesna Catherine
33	AMRITHA P R	DETECTING THE DANGEROUS AREA OF TOXIC GASES WITH WIRELESS SENSOR NETWORKS	
34	AMARNATH S	A PRIVACYPRESERVING REMOTE HEART RATE ABNORMALITY MONITORING SYSTEM	
35	ASWATH CHANDRA	REMOTE HEALTH MONITORING SYSTEM FOR THE ESTIMATION OF BLOOD PRESSURE, HEART RATE AND BLOOD OXYGEN SATURATION LEVEL	
36	VIVEK M	ONLINE SORTING OF THE FILM ON COTTON BASED ON DEEP LEARNING AND HYPERSPECTRAL IMAGING	Dr. Prajoon P
37	SNEHA SAJAN	IDENTIFICATION FOR RECYCLING PET PLASTIC BOTTOLES BY POLARISATION VISION	
38	HARITHA S	REAL-TIME FACIAL EXPRESSION RECOGNITION BASED ON EDGE COMPUTING	
39	ASHIK	HARDWARE SUPPORT FOR EFFICIENT AND LOW POWER DATA SORTING IN MASSIVE DATA APPLICATION :THE 3D SORTING METHOD	
40	JINO JOSEPH	PORTABLE MULTIPLEXED SYSTEM- BASED AD5933 IMPEDANCE ANALYZER:TOWARD MULTISELECTIVE GAS RECOGNITION	Dr. Sindhu S
41	JOEL N JOY	TSUKAMOTO FUZZY INFERENCE SYSTEM ON INTERNET OF THINGS - BASED FOR ROOM TEMPERATURE AND HUMIDTY CONTROL	
42	NAVYA N M	OPENIPMC: A FREE AND OPEN SOURCE INTELLIGENT PLATFORM MANAGEMENT CONTROLLER SOFTWARE	
43	NANDANA S	AN OPTICAL BASED SENSOR FOR AUTOMATIVE EXHAUST GAS TEMPERATURE MEASUREMENT	



  
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## MOOC



## NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VYSHNAV NARAYANAN C V**

for successfully completing the course

**Introduction to Programming in C**

with a consolidated score of **53** %

Online Assignments	22.92/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 2645

**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2024**

**(8 week course)**

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24CS02S448700559

To verify the certificate



No. of credits recommended: 2 or 3



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## MOOC



## NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**NIKHIL SHIJU**

for successfully completing the course

**Control Engineering**

with a consolidated score of **56** %

Online Assignments	23.91/25	Proctored Exam	32.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 176

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

(12 week course)

*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24EE15S468400293

To verify the certificate



No. of credits recommended: 3 or 4



*Jose P Therattil*

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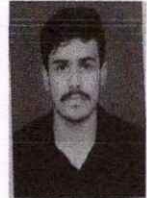
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## MOOC



## NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ABHILASH B**

for successfully completing the course

**Introduction to Programming in C**

with a consolidated score of **53** %

Online Assignments	20.83/25	Proctored Exam	32.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 2645

**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2024**

(8 week course)

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24CS02S348700064

To verify the certificate



No. of credits recommended: 2 or 3



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MOOC



Elite

## NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**GOPIKA ARUN MENON**

for successfully completing the course

**Introduction to Programming in C**

with a consolidated score of **69** %

Online Assignments	25/25	Proctored Exam	44.25/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **2645**

*Prof. B. V. Ratish Kumar*

**Prof. B. V. Ratish Kumar**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Mar 2024**

**(8 week course)**

*Prof. Satyaki Roy*

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24CS02S348600002

To verify the certificate



No. of credits recommended: 2 or 3



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## INDUSTRIAL VISIT

**KERALA STATE ELECTRICITY BOARD LIMITED.**  
*(Incorporated under the Companies Act, 1956) CIN: 140100KL2011SGC027424*  
Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram - 695 004  
Website: www.kseb.in  
Office of the Executive Engineer  
Transmission Division, Madakkathara  
Thrissur - 680651  
Phone: (O) +91 487 - 2695473, FCT: +919496009860  
CUG: +919446008375, Fax No: 0487 2382729,  
E-mail ID: eedmdka@gmail.com

**KSEB**  
Creating Technology  
Leaders of Tomorrow  
ESTD 2002

No. DB 5/Industrial Visit/2023-24/984 Date: 16.03.2024.

### CERTIFICATE

This is to certify that the following students of Jyothi Engineering College, Cheruthuruthy have visited 400kV Substation, Madakkathara on 16.03.2024.

1	AKSHAY P M	JEC21EE001	12113001
2	ALBI ALEX	JEC21EE002	12113002
3	ALBIN BENNY	JEC21EE003	12113003
4	AMBILI C M	JEC21EE004	12113004
5	AMRUTHA HARIDAS	JEC21EE005	12113005
6	ANEENA V F	JEC21EE006	12113006
7	ASHWIN GOPINATH	JEC21EE007	12113007
8	ASWINDAS T V	JEC21EE008	12113008
9	D PRANAV	JEC21EE009	12113009
10	ELDHOS SUNNY	JEC21EE010	12113010
11	EMIL DAVIS	JEC21EE011	12113011
12	JEEVAN THOMAS JOSE A	JEC21EE012	12113012
13	JITHYA M J	JEC21EE013	12113013
14	JOHN PIUS	JEC21EE014	12113014
15	JOSTIN RHO	JEC21EE015	12113015
16	JOVAN JAIN P	JEC21EE016	12113016
17	JOYAL PUTHUR	JEC21EE017	12113017

Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram 695 004, Website: www.kseb.in



*Jose P Therattil*

Dr. JOSE P THERATTIL  
Principal  
Jyothi Engineering College  
Cheruthuruthy - 679531





# Jyothi Engineering College

Reaccredited with NAAC (Grade A) and NBA Programmes\*

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University

A CENTRE OF EXCELLENCE IN SCIENCE AND TECHNOLOGY BY THE CATHOLIC ARCHDIOCESE OF TRICHUR  
JYOTHI HILLS, VETTIKATTIRI P.O., CHERUTHURUTHY, THRISSUR, 679531 | Ph. +91 4884 259000 | info@jecc.ac.in | www.jecc.ac.in



\*NBA accredited B.Tech Programmes in Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering valid till 2025, Mechatronics Engineering valid till 2026

18	KEVIN THOMAS	JEC21EE018	12113018
19	MEKHA RAJAGOPAL	JEC21EE019	12113019
20	NAVANEETH KRISHNA P	JEC21EE020	12113020
21	NIKHIL SHIJU	JEC21EE021	12113021
22	SAVIO SUNNY	JEC21EE022	12113022
23	SHERIN JOSY	JEC21EE023	12113023
24	AJITH P	LJEC21EE026	12223026
25	AKASH HARI K	LJEC21EE027	12223027
26	ALWIN ANTO C	LJEC21EE028	12223028
27	ANTON J CHEERAN	LJEC21EE029	12223029
28	ASNA S	LJEC21EE030	12223030
29	EPHREM JOSHI	LJEC21EE031	12223031
30	JISHNU M P	LJEC21EE032	12223032
31	MILJO SHAJU	LJEC21EE033	12223033
32	MUHAMMED HASHIM K C	JEC20EE015	12013015

Executive Engineer  
Transmission Division  
Madakkathara



Registered Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram 695 004, Website: www.kseb.in



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## INDUSTRIAL VISIT



*Jose P Therattil*

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Principal  
Jyothi Engineering College  
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## INDUSTRIAL VISIT



spinner9001@yahoo.co.in  
www.spinnergroups.co.in

**SPINNER**  
**PLASTIC INDUSTRIES LIMITED**  
Athani P.O., Thrissur District, Kerala - 680 581  
☎ 0487-2206011 ☎ 9387 822 502

## CERTIFICATE

We hereby certify that the students as per the list attached herewith have visited our factory on the 6<sup>th</sup> day of April 2024 as part of their curriculum

They were very inquisitive during their visit to our factory and were eager to learn the overall functions and all were found very promising and have successfully acquired knowledge about the basic functions of Plant and Machinery in our factory.

We wish them all success.

For SPINNER PLASTIC INDUSTRIES LIMITED

(P J GEORGEKUTTY)  
Managing Director

11<sup>th</sup> day of April 2024



Dr. JOSE P THERATTIL  
Principal  
Jyothi Engineering College  
Cheruthuruthy - 679531





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SL.NO	Name	Reg. No.
1	ABHINAV K	JEC22EE001
2	AKHILA	JEC22EE002
3	AKSHAY KRISHNA	JEC22EE003
4	AMAL SEBIN RAJ	JEC22EE004
5	ANAGHA	JEC22EE005
6	ANAS K V	JEC22EE006
7	ANURAG	JEC22EE007
8	ANUSREE	JEC22EE008
9	ARUN DEV	JEC22EE009
10	ARUNKRISHNA PK	JEC22EE010
11	ARYA	JEC22EE011
12	ASWIN	JEC22EE013
13	CLIO	JEC22EE014
14	EDWIN	JEC22EE015
15	GEORGE MARTIN	JEC22EE016
16	GIDHEL	JEC22EE017
17	GODWINPJ	JEC22EE018
18	HIBA YASMIN	JEC22EE019
19	JAYAKRISHNAN	JEC22EE020
20	JENIS JOSH Y	JEC22EE021
21	JOE JOHNSON	JEC22EE022
22	KARTHICK	JEC22EE023
23	MUSTAFA	JEC22EE024
24	NEVIN	JEC22EE025
25	PHILIP	JEC22EE026
26	RONLEO	JEC22EE028
27	SALVIN	JEC22EE029
28	SAMUEL ANTO	JEC22EE030
29	SANDRIAL SIMON	JEC22EE031
30	SHAHNIA SHIHAB	JEC22EE032
31	SREELAKSHMI	JEC22EE034
32	ABIN JOJU	LJEC22EE036
33	ABIN JOY	LJEC22EE037
34	ADARSH ANIL	LJEC22EE038
35	AKSHAY HARI	LJEC22EE039
36	ALBIN	LJEC22EE040
37	ANAKH	LJEC22EE041
38	JAUSTIN	LJEC22EE042
39	EBIN	LJEC22EE043
40	GOKUL	LJEC22EE044
41	JEFIN	LJEC22EE045
42	JESWIN	LJEC22EE046
43	RAHUL	LJEC22EE051



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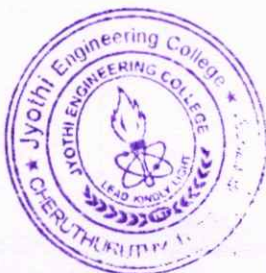
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## PLACEMENT TRAINING ACTIVITIES

Year	Name of the Activity	Number of students attended / participated
2023 - 2024	Half Day Orientation workshop On ' <b>Introduction to Robotics</b> ' held at ASAP(Govt. of Kerala) community skill Park, Palakkad Kerala on <b>8th August 2023</b> . This Program was conducted by Expert team from GENROBOTICS, Kerala	34
2023 - 2024	<b>3 days Pre-Placement-Aptitude Competency Development Training Program</b> for S7 (2020-2024 Batch) students preparing for campus recruitments This Program was conducted by Pragmatix Learning Edutech Pvt. Ltd., Kochi, Kerala.	471
2023 - 2024	<b>2 days Pre-Placement-Aptitude Competency Development Training Program</b> on <b>27 &amp; 28 October 2023</b> . This Program was conducted by Pragmatix Learning Edutech Pvt. Ltd., Kochi, Kerala.	112
2023 - 2024	<b>3 days Pre-Placement-Aptitude Competency Development Training Program</b> for S6 (2021-2025 Batch) students preparing for campus recruitments on <b>19, 20 &amp; 21 February 2024</b> . This Program was conducted by Pragmatix Learning Edutech Pvt. Ltd., Kochi, Kerala.	120
2023 - 2024	<b>3 days Pre-Placement-Aptitude Competency Development Training Program</b> for S6 (2021-2025 Batch) students preparing for campus recruitments on <b>4,5, 6 March 2024</b> and on <b>4,5, 6 April 2024</b> in 2 batches. This Program was conducted by Aesthetix Edu-Tech, Kochi, Kerala	157



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## DEPARTMENT OF ELECTRONICS & COMMUNICATION

### PROJECT TOPICS 2020-24 BATCH

Sl. No	REGISTER No	NAME OF MEMBERS	Topic	Guide
1	JEC20EC003	AISWARYA P K	DETECTION OF DISEASE IN TOMATO PLANTS AND PEST DEFOLIATION USING ROBOT	Ms. Bindhu K Rajan
2	LJEC20EC045	JOSMAL MATHEW		
3	JEC20EC005	AKHILA K P		
4	JEC20EC024	MARIA VARGHESE		
5	JEC20EC031	RESHMA HENDRY	AUTOMATED CHLORINE DETECTION AND CONTROL SYSTEM FOR WATER QUALITY MANAGEMENT	Dr. Shiny M I
6	LJEC20EC049	SILPA SOMAN		
7	JEC20EC002	ABHIJEET V		
8	JEC20EC037	SOWMYA M		
9	JEC20EC023	KRISHNA K	DRIVER FATIGUE MONITORING	Dr. Gaswin Kastro
10	LJEC20EC052	SREEJITH V		
11	JEC20EC015	BHAVANA NARAYANAN		
12	JEC20EC039	TINIT THOMAS		
13	JEC20EC016	GAYATHRI R V	SMART CAP FOR VISUALLY IMPAIRED	Mr. Ponmani Raja
14	LJEC20EC054	VIVEK NAIR		
15	JEC20EC019	JAYITHA HARIGOVIND		
16	JEC20EC028	NAVIN T W		
17	JEC20EC014	ATHIRA FRANCIS	BOREWELL RESCUE AND SUPPORTING SYSTEM	Sr. Jesna Catherine
18	LJEC20EC053	VISHNU C		
19	JEC20EC006	ALAN ALAPPATT		
20	JEC20EC030	PARVATHY T R		
21	LJEC20EC050	SISIRA K M	SMART IRRIGATION SYSTEM BASED ON ENVIRONMENTAL PARAMETERS	Dr. Sindhu S
22	JEC20EC026	MUHAMMAD RASEEL		
23	JEC20EC020	JIBIN SEBI		
24	JEC20EC018	HENNA ROSE C S		



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			AND PLANT GROWTH	
25	JEC20EC021	JINCY SUSAN JOHN	SOLAR PANEL TRACKER WITH SELF CLEANING SYSTEM	Ms. Saritha P
26	LJEC20EC042	ABHIJITH C S		
27	JEC20EC009	ANDRIYA ANTO EMMATTY		
28	JEC20EC041	VISAKH N R		
29	JEC20EC032	RESHMA ROY	SMART STREET LIGHT WITH DYNAMIC BRIGHTNESS CONTROL AND FAULT DETECTION	Ms. Drisya M K
30	LJEC20EC047	NAVAKRISHNAN M R		
31	JEC20EC007	ALAN TOMY		
32	JEC20EC022	KAVYASREE A NAIR		
33	JEC20EC017	GOPIKA U	ENERGY EFFICIENT SMART HOMES & SECURITY SYSTEMS	Ms. Ambily Francis
34	LJEC20EC048	NITHIN C T		
35	JEC20EC035	SANIL JOSEPH		
36	JEC20EC010	ANEENA C BINU		
37	JEC20EC012	ASHWIN K P	DAM WATER LEVEL CONTROL	Ms. Roshni Rajan K
38	LJEC20EC046	MRIDULA J NAIR		
39	JEC20EC036	SHIYAS S		
40	JEC20EC027	NANDANA VINOD		
41	JEC20EC040	UNNIMAYA SAJAYAN	SMART CAR PARKING SYSTEM	Ms. Neethu Rose Thomas
42	LJEC20EC051	SREEDEV J		
43	JEC20EC004	AJU ANTONY		
44	JEC20EC011	ANUPAMA J		
45	JEC20EC029	NOOPURA MOHAN	E-SECURE: SECURITY SYSTEM USING IoT	Dr. Prajoon P
46	LJEC20EC044	ATHUL P S		
47	JEC20EC025	M P ASWIN		
48	JEC20EC008	ALEENA PAUL		
49	JEC20EC033	SACHIN MANOHARAN	VEHICLE RECOGNITION AND DOCUMENT VERIFICATION	Ms. Neethu Rose Thomas
50	JEC20EC001	AAKASH MURALIDHARAN		
51	LJEC20EC043	ASHA S		
52	JEC20EC038	STEEV VARGHESE U KOLLANNUR		



*Dr. Jose P Therattil*

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## INTERNSHIP



**SARK CABLES PVT. LTD.**  
V8/638-M, New Industrial Development Area,  
Kanjikode - 678 021, Palakkad, Kerala  
Phone : 09447751912, +91 9447717317  
Email : sarkcables@gmail.com Website : www.sarkcables.com  
Fax Lines : 94470538312, 9447753312


SCPL/CRT/48/2023-2403-02-2024


**INTERNSHIP CERTIFICATE**






*This is to certify that Miss. Arunima Mathew Register No. JEC20EE007 (EEE) student of Jyothi Engineering College, Cheruthuruthy has successfully completed 5 days (29.01.2024 to 02.02.2024) internship programme in our Company. During the period of her internship programme with us she was found punctual, hardworking and inquisitive.*

*We wish her all the very best for better prospects in studies as well as in career.*

For Sark Cables Pvt. Ltd

  
**SUNIL JOSEPH**  
Director (Technical Services)





Manufacturing Units at : KANJIKODE, THODUPUZHA



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## INTERNSHIP



P.O. Road, Shoranur, Palakkad Dt., Kerala - 679 121, Tel / Fax: 0456 2222558, 9349055010, E-mail: cedicom@cedicom.com; www.cedicom.com

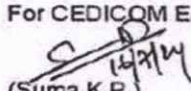


## CERTIFICATE

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Gopika Arun Menon (Reg. No. JEC23EC027)** has completed 5 days internship program to understand the various systems and procedures followed in our organization.

For CEDICOM ELECTRONICS

  
(Suma K.P.)  
HR Manager



**Dr. JOSE P THERATTIL**  
Principal  
Jyothi Engineering College  
Cheruthuruthy - 679531





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## INTERNSHIP



An ISO 9001 : 2015 Certified Company

P.O. Road, Shoranur, Palakkad Dt., Kerala - 679 121, Tel / Fax: 0466 2222556, 9349055010, E-mail: cedicom@cedicom.com, www.cedicom.com



### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Vyshnav Narayanan C.V. (Reg. No. JEC23EC044), firstyear Electronics and Communication student of Jyothi Engineering College, Vettikkattiri has attended 5 days internship to understand the various processes and systems followed in our organization.

For CEDICOM ELECTRONICS

(Suma K.P.)

HR Manager



*Jose P Therattil*

Dr. JOSE P THERATTIL  
Principal  
Jyothi Engineering College  
Cheruthuruthy - 679531





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## INTERNSHIP

### CERTIFICATE OF INTERNSHIP COMPLETION

15 January 2024

This certificate is proudly presented to

**JEEVAN JACOB**

  
MUSKAN RASTOGI  
CEO

  
MOHAMMAD TOIB  
COURSE COORDINATOR

#startupindia

ISO 9001: 2015



### Artificial Intelligence

This is to certify that JEEVAN JACOB from Jyothi engineering college has successfully completed a 3 month internship and training from 01 October 2023 to 30 December 2023.

Certificate number : 22-2691674

  
Dr. JOSE P THERATTIL  
Principal  
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## INTERNSHIP

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AN ISO  
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COMPANY

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Phone - 99447751312, +91 9447717312  
Email - sarkcables@gmail.com Website - www.sarkcables.com  
Help Lines - 9447038912, 9447753212

SCPL/CRT/48/2023-24

03-02-2024

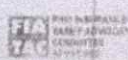
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## HACKATHON

KARTHAVYA, the 48-hour national level hackathon was organised from 1<sup>st</sup> December 2023 to 3<sup>rd</sup> December 2023 by Jyothi Engineering College, Cheruthuruthy, Thrissur in association with Kerala Institute for Local Administration (KILA), Thrissur District Panchayath, IEDC\_JEC, IIC\_JEC, ISTE\_JEC and Kerala Startup Mission (KSUM). The theme of the hackathon was 'Safe and Scientific Solid Waste Management'.



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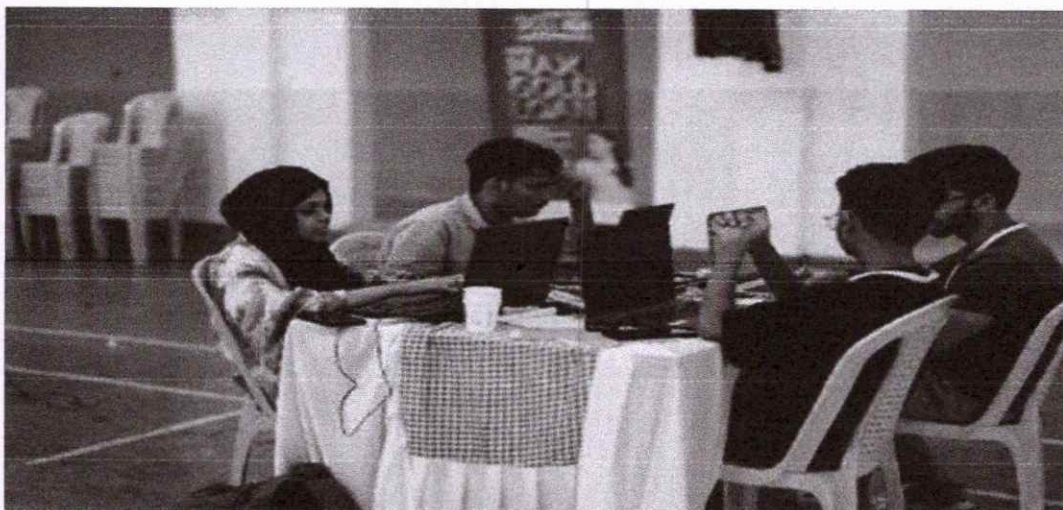
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## HACKATHON

Computer Engineering Students Association (CESA) organised 'HackAthena 2024', a 3-day national level hackathon, that commenced on 6<sup>th</sup> April 2024.



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## EXPERT TALK

IHC and the ISTE Student Chapter of the ECE Department conducted a webinar on "Empowering Academic Success" by Mr. Jeswin Joy, Data Analytics, Google on 3<sup>rd</sup> February 2024. Resource person covered empowering academic success involves fostering a supportive learning environment that encourages students to explore their interests and develop critical thinking skills.



Cheruthuruthi, Kerala, India  
P7GQ+VXV, Cheruthuruthi, Kerala 679531, India  
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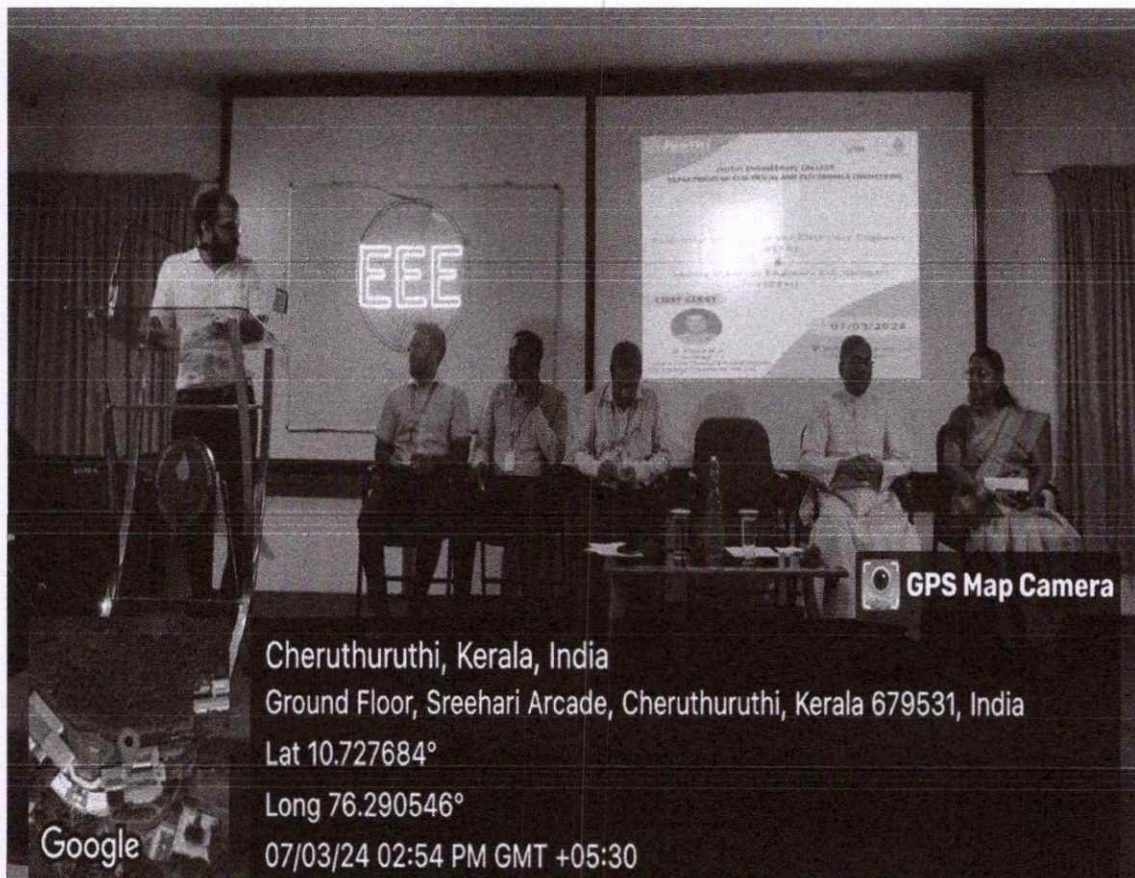
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## EXPERT TALK

Mr. Ashok K.M. P, Secretary of SEEM Kerala Chapter and Project Director at Athul Energy Consultants Pvt. Ltd, delivered an expert talk on energy audits, explaining the steps involved and the equipment used in energy audit on 7<sup>th</sup> March 2024



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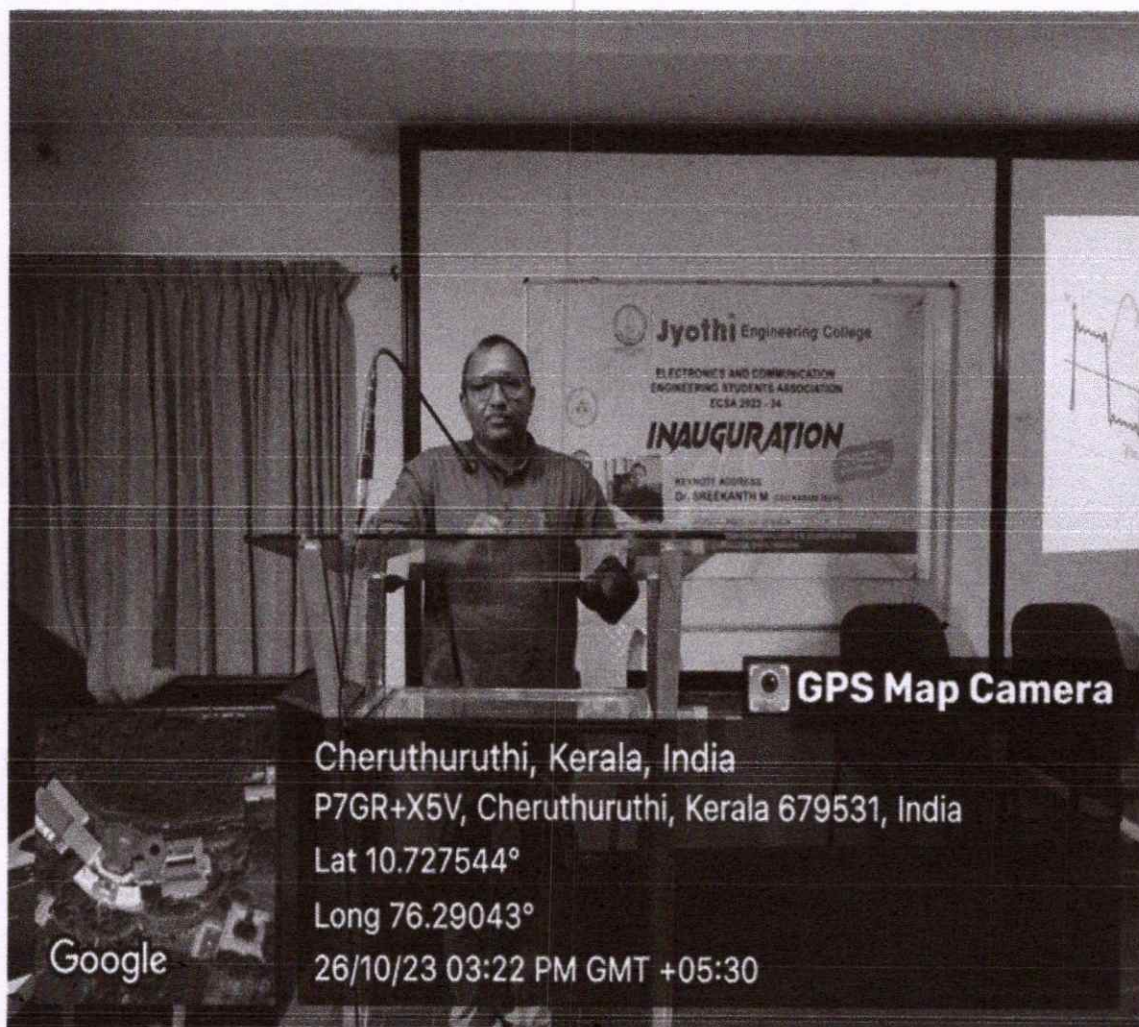
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## EXPERT TALK

Department of Electronics and Communication Engineering organized an expert talk on 'Future of Electronics and Communication Engineering' on 26<sup>th</sup> October 2024. Resource person was Dr. Sreekanth M, CEO Kabani Tech.



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## EXPERT TALK

The inaugural function of CESA for the year 2023-24 was organized on 26<sup>th</sup> October 2023. The Chief Guest for the function was Mr. Edison Franz, a renowned motivational speaker. He delivered an engaging discourse on life experiences that profoundly inspired the audience.



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