



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



*NBA reaccredited BTech Programmes in Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering valid till 2025

Student centric methods

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Jyothi Engineering College

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University
 A Centre of Excellence in Science and Technology by the Government of Kerala
 Jyothi Hills, Vembanipuram, Thrissur, Kerala. Ph: 9744 259025, 259026, 259027, 259028, 259029, 259030, 259031, 259032, 259033, 259034, 259035, 259036, 259037, 259038, 259039, 259040, 259041, 259042, 259043, 259044, 259045, 259046, 259047, 259048, 259049, 259050, 259051, 259052, 259053, 259054, 259055, 259056, 259057, 259058, 259059, 259060, 259061, 259062, 259063, 259064, 259065, 259066, 259067, 259068, 259069, 259070, 259071, 259072, 259073, 259074, 259075, 259076, 259077, 259078, 259079, 259080, 259081, 259082, 259083, 259084, 259085, 259086, 259087, 259088, 259089, 259090, 259091, 259092, 259093, 259094, 259095, 259096, 259097, 259098, 259099, 259100, 259101, 259102, 259103, 259104, 259105, 259106, 259107, 259108, 259109, 259110, 259111, 259112, 259113, 259114, 259115, 259116, 259117, 259118, 259119, 259120, 259121, 259122, 259123, 259124, 259125, 259126, 259127, 259128, 259129, 259130, 259131, 259132, 259133, 259134, 259135, 259136, 259137, 259138, 259139, 259140, 259141, 259142, 259143, 259144, 259145, 259146, 259147, 259148, 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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ECD 416 : PROJECT PHASE II

GROUP LIST-2019-2023 BATCH

ACADEMIC YEAR :2022-2023 (EVEN SEMESTER)

BATCH	ROLL NO	NAME OF MEMBERS	NAME OF THE GUIDE	PROJECT TITLE	AREA OF SPECIALIZATION
I	JEC19EC001	Adithya JyothiRaj	Ms.Neethu Rose	Aquatic debris remover:IoT based ph level sensing trashbot	Power electronics drives and electronic instrumentation
	JEC19EC004	Alen Paul			
	JEC19EC021	M Fathima Nazrin			
	JEC19EC023	Sana Said			
II	JEC19EC002	Agna Abraham	Ms.Shiny M I	Sewage spotting and water treatment service system using IoT	Embedded and Electronic Instrumentation
	JEC19EC008	Ann Marie Rajan			
	JEC19EC022	Naveen Rajesh			
	JEC19EC020	Joshwin Babu			
III	LJEC19EC028	Sreehari	Ms.Ambily Francis	Multiple patient monitoring using IoT and NODMCU	Embedded and Electronic Instrumentation
	JEC19EC017	Gokul P			
	JEC19EC018	Helna Joy M			
	JEC19EC026	Sayana S			
IV	JEC19EC027	Sumyuktha V K	Ms.Saritha P	Web based energy consumption monitoring and control system for prepaid energymeter	Power Electronics and Embedded
	JEC19EC012	Chris Noyal T S			
	JEC19EC009	Ashban Shyjan			
	JEC19EC010	Bhavana Vijayan			
V	JEC19EC025	Sanuraj K R	Dr.Anoop V	Ready go cart	Embedded IoT
	JEC19EC024	Sanha Salam			
	JEC19EC019	Joseph Jaison P			
	JEC19EC005	Anagha M			
VI	JEC19EC014	David Joseph	Dr.Prajoon P	Digitized ration distribution system with real time monitoring	Embedded and power electronics
	JEC19EC016	Dony Babu			
	JEC19EC007	Anjali K			
	JEC19EC003	Aiswaraya Hariharan			
VII	JEC19EC006	Anjali Aravind	Dr.Gaswin Kastro G	Smart Sprouting Greenhouse With Temperature Controlling Mechanism	Digital signal processing and embedded
	JEC19EC013	Chriswin Lingson			
	JEC19EC015	Divya Sasikumar			
	JEC19EC011	C Akshay Raj			

Project Coordinators:

Fr.David Neittikkadan

Saritha P

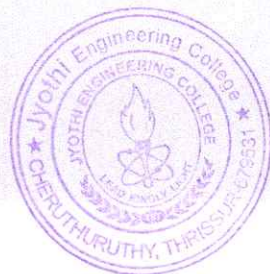
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
EED415 PROJECT PHASE I & II

Sl No	Reg No	Name	Group No.	Name of Guide	Topic	Categorization
1	JEC19EE010	KARTHIK M A	Group 1	Mr.Jihin K Jose	Lake pool cleaning robot	Instrumentation and control
2	JEC19EE016-	THUSHAR				
3	JEC19EE004	ANFAS ALI K S				
4	LJEC19EE020	AMAL M	Group 2	Dr.Jarin T	Smart LED drive for traffic signal	Power electronics and drives
5	JEC19EE006	AVARNYA SABU				
6	LJEC19EE019	ALAN K F				
7	JEC19EE015	SUSHANTH M S	Group 3	Dr.Shijoh V	Smart lawn mower	IOT
8	JEC19EE009	JOHN FRANCIS				
9	JEC19EE001	AKHIL JOY				
10	JEC19EE013	STIJO JOSE	Group 4	Ms.Anu Sunny	Advanced specs for blind people	IOT
11	JEC19EE005	ASWIN V M				
12	JEC19EE017	VICTOR VARGHESE				
13	LJEC19EE025	SARATH A	Group 5	Mr.Jenson Jose	Onboard electric vehicle battery charging	Power electronics and drives
14	JEC19EE007	FAWAZ FIROZ				
15	JEC19EE007	JOHN C J				
16	JEC19EE002	AKSHAY K				
17	LJEC19EE023	GEENA KURIAN				



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18	JEC19EE014	SUHEL KHAN K Y	Group 6	Mr.Akhil A Balakrishnan	Smart wheelchair	Instrumentation and control
19	LJEC19EE024	MUHAMMAD SALMAN	Group 7	Mr.Kapildas K.S	Energy audit in paint industry and Thrissur District	Energy management
20	JEC19EE011	LIVIYA VIJU				
21	JEC19EE003	ALBIN TOMY	Group 8	Ms.Soumya C	Data glasses for multimeter	IOT
22	LJEC19EE021	ARUN K N				
23	JEC19EE012	RHEA SAMUEL				
24	LJEC19EE022	ARUN K N	Group 8	Ms.Soumya C	Data glasses for multimeter	IOT
25	LJEC19EE026	SOLOMON V JOSEPH				

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JYOTHI ENGINEERING COLLEGE, CHERUTHURUTHY
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
S7 ECE - EC043 SEMINAR

Reg No	Name	Title	Guide
JEC19EC001	ADITYA K. JYOTHIRAJ	INTELLIGENT IRRIGATION SCHEDULING SYSTEM	Dr. Sreedhu S
JEC19EC002	AGNA ABRAHAM	MICROWAVE PHOTONIC RADAR	Dr. Sreedhu S
JEC19EC003	AISWARYA HARILARAN	SPINTRONICS	Dr. Anoop V
JEC19EC004	ALEN PAUL	BIOMETRIC VOTING MACHINE	Dr. Anoop V
JEC19EC005	ANAGHA M	MID AIR ULTRASONIC HAPTICS	Dr. Pragnan P
JEC19EC006	ANJALI ARAVIND	FLEXIBLE ELECTRONICS	Dr. Pragnan P
JEC19EC007	ANJALI K	GALVANIC IMPULSE WIRELESS COMMUNICATION	Dr. Gaurin Kastro G
JEC19EC008	ANN MARIE RAJAN	IN BODY COMMUNICATION USING LIGHT	Dr. Gaurin Kastro G
JEC19EC009	ASHWAS SHYJAN	FREE SPACE OPTICS TECHNOLOGY	Ms Shruy M J
JEC19EC010	BHAVANA VIJAYAN	WATER TO AIR VISIBLE LIGHT COMMUNICATION	Ms Shruy M J
JEC19EC011	C AKSHAY RAJ	IoT AND 5G	Ms Divya M K
JEC19EC012	CHRIS NOVAL J S	UAV AND UAV FOR DEBRIS COLLECTION	Ms Divya M K
JEC19EC013	CHRISWIN LINGSON	MARITIME E-NAVIGATION	Mr M Ponnani Raja
JEC19EC014	DAVID JOSEPH KUNNAN	SPACE BASED SOLAR POWER GENERATION	Mr M Ponnani Raja
JEC19EC015	DEVYA BASILUMAR NAIR	SOFTWARE DEFINED RADIO	Ms Saritha P
JEC19EC016	JOJNY BABU	OPTICAL CAMERA COMMUNICATION IN VEHICLE	Ms Saritha P
JEC19EC017	GOKUL P	WIRELESS ENERGY HARVESTING	Ms Ambily Franco
JEC19EC018	HELNA JOY M	TRANSPARENT ANTENNA	Ms Ambily Franco
JEC19EC019	JOSEPH JASOOF	SMART HOME AUTOMATION	Ms Bindha K Rajan
JEC19EC020	JOSHWIN BABU	MEMRISTOR	Ms Bindha K Rajan
JEC19EC021	M VATHINA NAGRIN	MM WAVE VEHICULAR COMMUNICATION	Ms Neethu Rose Thomas
JEC19EC022	NAVJEN RAJESH	MEDGLASSES	Ms Neethu Rose Thomas
JEC19EC023	NANA SAIB	SONAR FOR COMMERCIAL FISHING	Ms Rosini Rajan K
JEC19EC024	SANHA SALAM	6G TECHNOLOGY	Ms Rosini Rajan K
JEC19EC025	SANJIVAK R	CHILD RESCUE SYSTEM USING ZIGBEE	Fr David Neethakhan
JEC19EC026	SAVANAS	EDGE TECHNOLOGY	Fr David Neethakhan
JEC19EC027	SOMYUKTHA V R	AMBIENT ASSISTED LIVING	Sr Jesna Catherine
JEC19EC028	SRIJITHU V	IoT FOR IN-HOME HEALTH MONITORING	Sr Jesna Catherine

SEMINAR COORDINATORS

MR. ROBIN RAJAN K

DR. GAURIN KASTRO G

Asst. Dr. Sreedhu S



General



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Industrial Automation-Expert Talk

Date : 21st December 2022

Venue : Decennial Hall

An Expert Talk was organized in association with Indian Society for Technical Education (ISTE) on 21st December 2022. The resource person of the day was Mr. Sivanesan. P founder & COO of Innovative Engineering Services, Chennai.





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Building your brand for career growth -Expert Talk

Date : 11 November 2022

Venue : Auditorium

An Expert Talk was organized in association with Computer Science & Engineering Student Association on 11th November 2022, Friday. The Chief Guest of the day Mr. Serin Paul, Product Manager GoTo Group delivered an informative talk on "Building Your Brands For Career Growth".

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE | INSTITUTE FOR INNOVATION | IPL | Jyothi Engineering College

cesa
Inauguration
DATE : NOV 11, 2022
VENUE : AUDITORIUM

TALK ON
"Building Your Brand for Career Growth"

SERIN PAUL
PRODUCT MANAGER
GOTO GROUP
EX - ZOMATO, FOODPANDA, STARTUP BUILDER

DEPARTMENT OF COMPUTER SCIENCE



Serin Paul



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Hackathon

Students Team from S8 CSE, Trogen Horse won the second prize of Rs10000/- in the Magnathon, 24 hours national level Hackathon conducted by College of Engineering, Vadakara. Team Members are Deo Saju, Ancena E A, Maria Rose Thayil, and Nazish Mohammad.



Jorval



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Hackathon

Arjun K M of Mtech, Kishor V Gopal of S6 ME, and Navaneeth Nalesh C T of S6 RA are the winners of Dekathon: Sustainable Hackathon.



Genab



Assistant Secretary
ELECTRICITY DEPARTMENT
THRISSUR CORPORATION

email:- electricitydepartment@yahoo.co.in



PHONE : { OFFICE : 2423613
PERSONAL : 2422470
RSI : 2320575

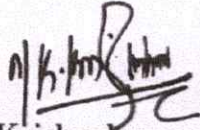
Date.....

E2 (1) 4827/16

Date : 20.10.2022

CERTIFICATE

This is to certify that Mr. Alan.K.F, Karerakkattil House, Peramangalam, Thrissur has been given industrial training in 110 KV Substation of Thrissur Corporation Electricity Department for 15 days from 06.09.2022 to 22.09.2022 under the supervision of Station Engineer.


N.K.Krishnakumar
Assistant Secretary



എ. കെ. കൃഷ്ണകുമാർ / N. K. KRISHNAKUMAR M.A, I.L.M.
അസിസ്റ്റന്റ് സെക്രട്ടറി / ASSISTANT SECRETARY
വൈദ്യുതി വിഭാഗം / ELECTRICITY DEPARTMENT
തൃശ്ശൂർ നഗരസഭ / THRISSUR CORPORATION
പേരിൽ നമ്പർ / Pan No: 743648
ഫോൺ / Phone - 0487 2422470
മൊബൈൽ / Mobile - 8921037758
ഇമെയിൽ / Email : electricitydepartment@yahoo.co.in
പിൻ / PIN : 680 001







KERALA STATE ELECTRICITY BOARD LIMITED
(Incorporated under the Indian Companies Act, 1956)
Reg. Office: Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004, Kerala
Website: www.kseb.in CIN: U40100KL2011SGC027424
HRD Cell, Office of the Chief Engineer (HRM)
Pattom, Thiruvananthapuram, Pin-695004
Tel: 0471-2514276, 2514451; Email: student@kseb.in

Certificate No: HRD/Ind.Trg/2023-24/2023020820002/4

Application No: 2023020820002

Certificate of Internship/Industrial Training

This certificate is awarded to

Mr/Ms GEENA KURIAN

who has completed 7th Semester, B.Tech-Electrical & Electronics
Engineering, at

Jyothi Engineering College, Thrissur

for Completion of Internship Training at KSEBL

Training Centre & Period

400 KV Substation Madakkathara, Thrissur

From 20-02-2023 to 24-02-2023

Place: *Madakkathara*
Date: *24-02-2023*



Assistant Engineer

(Designation Seal)

[Signature]
EXECUTIVE ENGINEER
Transmission Division
KSEB LTD
Madakkathara
Thrissur 680 651

[Signature]





Jyothi Engineering College

Reaccredited with NAAC (Grade A) and NBA Programmes*

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

The Seventh semester students from Electrical and Electronics Department (2019-2023 Batch) of Jyothi Engineering College have undergone an industrial visit on 16/12/2022 to 400kV substation Madakkathara. Through the industrial visit, the students learned many things about the transmission of electricity in different regions of Kerala and the methods adopted to maintain the supply to the consumers without any failure.



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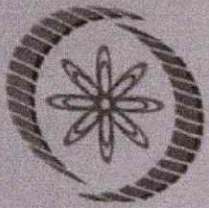
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Industrial Visit

The Eighth semester students from Electronics and Communication Engineering (2019-2023 Batch) of Jyothi Engineering College have undergone an industrial visit on 28/02/23 to Mother Dairy, Delhi.



MOOC



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RHEA SAMUEL

for successfully completing the course

Embedded Systems Design

with a consolidated score of **65** %

Online Assignments	18.13/25	Proctored Exam	47.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **274**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No NPTEL22C546S44310503

To validate and check scores: <https://nptel.ac.in/noc>



This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS46S44310620
To
THUSHAR
GAIKWAD HOUSE, KOLATHUR, CHELAKKARA
NA
CHELAKKARA
KERALA - 680586
PH. NO :6282398591

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



Number of credits recommended by NPTEL:3

Additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

THUSHAR

for successfully completing the course

Embedded Systems Design

with a consolidated score of **50** %

Online Assignments	18.13/25	Proctored Exam	32.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 274

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

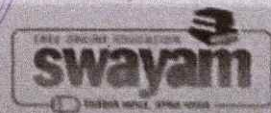
Jan-Apr 2022
(12 week course)



Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No. NPTEL22CS46S44310620

To validate and check scores: <https://nptel.ac.in/noc>

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22ME18S34350172

To
LIVIYA VIJU
KIDANGAN (H)
PAZHAMUKKU BAZAR
THRISSUR
KERALA - 680306
PH. NO :9946358306



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

LIVIYA VIJU

for successfully completing the course

Modelling and Simulation of Dynamic Systems

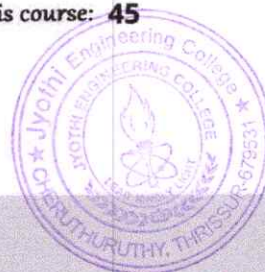
with a consolidated score of **53** %

Online Assignments	12.08/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **45**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Mar 2022
(8 week course)



Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL22ME18S34350172

To validate and check scores: <https://nptel.ac.in/noc>



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PLACEMENT TRAINING ACTIVITIES FOR THE ACADEMIC YEAR 2022-23

Sl. No.	Name of the Activity
1	4 days Aptitude Competency Development Training Program by Pragmatix Edutech,Kochi, for 2020- 2024 Batch students preparing for campus recruitments - on 7,8,21,22 July 2022
2	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101 on for S4 ME-A +RA (2020- 2024 Batch)on 1,4,5 July 2022 & S4 ME-B +EEE (2020- 2024 Batch) on 6,7,8 July 2022
3	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S4-AD (2021- 2025 Batch) on 6,7,8 February 2023
4	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S4-CE+RB (2021- 2025 Batch) on 9,10,11 February 2023
5	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S4-ME (2021- 2025 Batch) 13,14,15 February 2023
6	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S4-ECE (2021- 2025 Batch) on 16,17,18, February 2023



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7	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S6-MR (2020- 2024 Batch) on 20,21,22, February 2023
8	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S6-CE (2020- 2024 Batch) on 23,24,25 February 2023
9	M-Power -3 Day -Persona Enhancement Program/ Blended Learning Workshop for S4-CSE-A (2021- 2025 Batch) 24,25,26, April 2023
10	M-Power -3 Day -Persona Enhancement Program/ Blended Learning Workshop by 'Vertical Eye', Coonoor, Nilgiris-643101- for S4-CSE-B (2021- 2025 Batch) on 27,28,29, April 2023
11	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) by 'Vertical Eye', Coonoor, Nilgiris-643101- for S6-AD (2020- 2024 Batch) on 2,3,4, May 2023
12	M-Power -3 Day -Persona Enhancement Program (Blended Learning Workshop) for EEE+MR (2021- 2025 Batch) 5,6,8, May 2023
13	2days Pre-Placement-Aptitude Competency Development Training Program by Pragmatix Edutech., Kochi, for S6 (2020-2024 Batch) students preparing for campus recruitments CSE-A & AD on 20 & 21 February 2023 CSE-B & ECE on 24 & 27 February 2023 CE & EEE+RB On 6&7 March 2023 ME & MR on 13 & 14 March 2023



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14

1 Day(per batch) Career Orientation Program for S2 (2022-2026) students on 23rd March, 3rd May, 8th May, 9th May, 19th June, 20th June & 23rd June 2023|| Total 8 batches and 1 day per batch|| A grand finale for all the 8 batches were conducted on 23rd June 5.00 PM to 24th June 2.30AM





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Robot Operating System – Workshop

Date : 27 September 2022

Venue : Decennial Hall

The Department of Robotics and Automation, in collaboration with IEDC - JECC, hosted an exciting oneday workshop on Robot Operating System (ROS). The workshop provided a comprehensive introduction to ROS and allowed the attendees to explore its features in a hands-on manner.

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE

ORGANISED BY
DEPARTMENT OF ROBOTICS AND AUTOMATION

MR. LENTIN JOSEPH
AUTHOR | CEO OF QBOTICS LABS

SEPTEMBER 27 | 09:30 AM
DECENNIAL HALL

Introduction to
Robot Operating System ONE DAY WORKSHOP

REGISTER AT : [BIT.LY/ROSJEC](https://bit.ly/rosjec)

Dr. C Karthick, HOD RA : 9066954491
Dr. Jobin Varghese, AP - RA : 8921004009



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ROBOTICS as an Education Tool in Engineering – Workshop

Date : 21st October 2022

ISTE Student Chapter in association with ECSA, is conducted a one day workshop on " ROBOTICS as an Education Tool IN Engineering" by Dr. Sreekanth Madhavan,CEO,Kabani Tech.,Palakkad on 21st October 2022.

one day workshop on
ROBOTICS
as an educational tool in engineering

Organized by:
Department of Electronics and
Communication Engineering

Convener
Ms. Drishya M.K.

October 21st
2022

Coordinators
Mr. Ponmani Raja
Ms. Saritha P.

Student
Coordinators
Mr. David Joseph
Ms. Sanha Salam

Dr. Sreekanth Madhavan
CEO of Kabani Tech,
a Maker Space/Fab Lab &
Product Development Centre

