

PLACEMENT

“THE HUMAN FOOT IS A MASTERPIECE OF ENGINEERING AND A WORK OF ART.”
Leonardo Da Vinci



Mr. Stalin Varghese Mathew
S8 EEE

placed at,



Mr. Jobin Mathew Abraham
S8 EEE



Mr. Sanjay Manikuttan
S8 EEE



Miss Abiya Mariam Mathew
S8 EEE

placed at,



Mr. Saju Varghese
S8 EEE



Mr. Sijo Abraham
S8 EEE



Mr. Sajan Saji
S8 EEE



Miss Blessy Thomas
S8 EEE

placed at,



ALUMNI SPEAKS



Alumni speak by **ALEX ROY** (2010-2014 Batch),
on 6th May 2022



Alumni speak by **NOBIN IPE** (2003-2007 Batch),
on 18th May 2022

SCOPE AND TRENDS IN ELECTRICAL ENGINEERING

CADD Centre Pala has conducted an expert session at MBC, Peermed in the Department of Electrical and Electronics Engineering. The session was about Scope and Trends in Electrical Engineering. The program was lead by Mr. Ahmed Sharique (Cluster Manager - CADD Centre Training Services)



EDITORIAL BOARD

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HOD's Desk



Dr. V. I. George

IEEE, FIE, FSSI, FISSE, LMISTE, FAGE,
Chartered Engineers India, ACIDOS

"Good leadership makes every task easier and the hardest tasks possible. Your direction and organization are assets that will improve the productivity of the team. We know that you will inspire us to always try your best and help us to improve. Welcome."

The B.Tech program Electrical and Electronics Engineering offer a unique mix of Electrical, Electronics, Instrumentation, Control Engineering and Computer related courses that enables the student to choose a professional career t/ or pursue higher studies in any of these streams. The wide range of program and open elective subjects offered in the B.Tech program, cover a broad spectrum of the subject domain and enables the student to specialize in their areas of interest. The curriculum based on the credit scheme is periodically updated in consultation with the experts from industry and academia, to reflect the changes in the Electrical Engineering stream.

The Electrical and Electronics Engineering has a team of committed and dedicated faculty, having a rich experience in teaching and also aims to maximize the impact of teaching-learning process through the use of innovative methodologies. The Department of EEE having excellent infrastructural facilities state of the art laboratories and it is at par with Industrial need and standards. The faculty members of the Department are willing to take the responsibility of the student as a whole and help them to grow as better individuals. The students will definitely enjoy the good academic environment and the non-polluted atmosphere. Let us work together for the betterment of the Department. I wish you success in all your future endeavours.



"MY BRAIN IS ONLY A RECEIVER, IN THE UNIVERSE THERE IS A CORE FROM WHICH WE OBTAIN KNOWLEDGE, STRENGTH AND INSPIRATION."

-NICOLA TESLA

VISION

To emerge as a center of excellence bringing forth globally competent and socially committed Electrical and Electronics Engineers

ABOUT THE DEPARTMENT

The Department of Electrical Engineering aims to produce skilled and competent engineers that aims for great heights. The curriculum is designed to cover all major aspects of electrical engineering while allowing considerable indepth studying in specific areas chosen by each students. We are proud that the majority of our department graduates are employed in leading Electronic, Communication, Computer, Power, Oil and Petrochemical and consulting industries. There are circular add-on in the programme to support employment opportunities in any of the above areas. The department has blend of eminent teaching faculty with post graduated qualifications from reputed institutions and good industrial exposure. Individual care and attention is imparted to students from their first year onwards so as to ensure individual involvement.

Workshop on MATLAB and Electrical System Modeling using Simulink and Simscape

The Department of Electrical and Electronics Engineering Dept, MBCCET Peermed organized a 3 day Hands on Workshop on MATLAB and Electrical System Modeling using Simulink and Simscape from April 20-22, 2022 for the benefit of Faculty and final year students.



Resource Persons



Mr. RAKSHITH B S
Senior Application Engineer, Mathworks



Dr. CIJI PEARL KURIAN
Professor, EEE Dept, MIT Manipal



MISSION

- Impart fundamental concepts to each student to take up on challenging engineering problems.
- Ensure effective learning through quality teaching and proper assessment to achieve the graduate attributes.
- Establish state of the art support facilities to encourage research and to undertake innovative projects.
- Enrich the students with strong interpersonal and managerial skills with professional ethics to meet any challenging situation.

INDUSTRIAL VISIT

Industrial visit carried out at TECHGRAYLOGIX TECHNOLOGY SIMPLIFIED on 12th may, 2022 especially for semester six students .The main objective behind the visit was to make students aware about how various activities related to electrical components and arduino innovative projects are carried out in the company .



Industrial visit was carried out at KAYNES TECHNOLOGY INDIA PVT LTD on 27th may, 2022 especially for semester four student . The main objective behind the visit was to make students aware about how various activities related to electrical components and the manufacturing of PCB.



JVS ELECTRONICS PVT, BANGLORE LTD is one of the most reputed electrical relay manufacturing company used in power systems. They also manufacture a wide range of products like audio indicating instruments, visual indicating instruments, electrical indicating instruments, digital panel meters, etc...This visit was for semester eight students.

NOTABLE PROJECT

Mr.Stalin Varghese Mathew, Mr.Nithin Manoj, Mr.Albi Jinu and Mr.Nidhin V Raj under the guidance of Ms.Shehenas Salim implemented AI for Drones, to help people with minimum knowledge to operate and control a drone. In this project, they implemented a prototype consist of 6 propellers, in which each propeller is operated with brush-less DC motors. The whole system can be controlled using a micro controller. The controller they used here is APM 2.5. It is a highly efficient flight controller which can be used to operate up to octa-copters. They are planning to implementing GPS navigation Module and Telemetry, which will work together with AI in-order to identify and detect route of agriculture land.This project is widely applicable in agriculture field.They have secured best paper award in the national level conference NCRTE 2022 held at Dayananda Sagar University Bangalore.



STUDENT ACHIEVEMENTS



PAUL SHAISE and **KESIA SUNNY** of **S6 EEE** has secured first prize in the quiz competition conducted by **ELECTION COMMISSION OF INDIA** held at Marian International college,Kuttikanam in accordance with National Voters Day,2022.



PAUL SHAISE of **S6 EEE** has secured second price in the District Level Declamaation Contest organised by **CENTRAL MINISTRY OF YOUTH AND SPORTS AFFAIRS** and he also got a chance to represent IDUKKI district in the state level competiton.

PUBLICATIONS

Shaik Rafikiran, **Fini Fathima**,C.H. Hussaian Basha, M. Murali,Design and performance evaluation of solid oxide-based fuel cell stack for electric vehicle system with modified marine predator optimized fuzzy controller,Materials Today: Proceedings,Volume 60, Part 3,2022, Pages 1898-1904, ISSN 2214-7853.

PROGRAM SPECIFIC OUTCOMES (PSO'S)

- Design, analyze and test components and systems associated with Electrical power system using modern hardware and software tools
- Specify and design electronic systems that perform control, analog and digital signal processing functions

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

- Make strong presence on a global platform to take up their professional career
- Engage in continuous upgradation of their professional knowledge.
- Become innovator, entrepreneur, researcher and/or team leader.

NEWLY JOINED FACILITIES



Dany Jennez
Assistant Professor
Area of Specialization-
Guidance & Navigation control



Shehanas K. Salim
Assistant Professor
Area of Specialization-
Power System & Power Electronics



Arun Lal L.
Assistant Professor
Area of Specialization-
Power Electronics & Control



Thasni S.
Assistant Professor
Area of Specialization-
Power Systems



Venma Prabhash
Assistant Professor
Area of Specialization-
Power Control and Drives

WELCOME
YOU ALL

SEMESTER TOPPERS



Mr. Jobin Mathew Abraham
S7



Ms. Aney Manoj
S4



Ms. Febi Mariam Mathew
S2

AT ITS HEART,
ENGINEERING
IS ABOUT
USING SCIENCE TO FIND
CREATIVE
PRACTICAL SOLUTIONS.
IT IS A NOBLE PROFESSION.

-QUEEN ELIZABETH II