



# LANTERN



Department of Electrical and Electronics Engineering  
BI-ANNUAL DEPARTMENT CHRONICLE

VOLUME IX  
JUNE 2023

## ABOUT THE DEPARTMENT

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 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.



I suppose the reason I chose electrical engineering was because I had always been interested in electricity, involving myself in such projects as building radios from the time I was a child.

— Koichi Tanaka —

AZ QUOTES

## HOD's Desk



RESMARAS

DEAR STUDENTS, FACULTY MEMBERS, AND READERS,

I AM DELIGHTED TO PRESENT THE DECEMBER 2023 EDITION OF OUR DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING NEWSLETTER. THIS PUBLICATION CAPTURES THE VIBRANT SPIRIT, DEDICATION, AND ACHIEVEMENTS OF OUR DEPARTMENT OVER THE PAST MONTHS.

IN TODAY'S FAST-PACED AND EVER-EVOLVING FIELD OF ELECTRICAL AND ELECTRONICS ENGINEERING, STAYING AT THE FOREFRONT OF INNOVATION AND KNOWLEDGE IS CRUCIAL. OUR DEPARTMENT REMAINS STEADFAST IN ITS MISSION TO EMPOWER STUDENTS WITH CUTTING-EDGE SKILLS, FOSTER RESEARCH EXCELLENCE, AND BUILD STRONG INDUSTRY CONNECTIONS THAT PREPARE THEM FOR FUTURE CHALLENGES.

THIS EDITION HIGHLIGHTS NUMEROUS ACCOMPLISHMENTS, INCLUDING NOTEWORTHY PROJECTS, RESEARCH BREAKTHROUGHS, AND EVENTS LED BY OUR TALENTED STUDENTS AND FACULTY. THESE SUCCESSSES REFLECT THE HARD WORK, CREATIVITY, AND PASSION OF OUR DEPARTMENT MEMBERS, WHO CONTINUOUSLY STRIVE FOR EXCELLENCE.

I TAKE THIS OPPORTUNITY TO THANK OUR FACULTY, STUDENTS, AND ALUMNI FOR THEIR INVALUABLE CONTRIBUTIONS TO THE DEPARTMENT'S PROGRESS. A SPECIAL NOTE OF APPRECIATION GOES TO THE EDITORIAL TEAM FOR THEIR DEDICATION IN CURATING THIS NEWSLETTER AND SHOWCASING THE VIBRANT ACTIVITIES OF OUR DEPARTMENT.

AS WE LOOK FORWARD TO AN EXCITING YEAR AHEAD, LET US REMAIN COMMITTED TO OUR SHARED GOAL OF ACADEMIC AND PROFESSIONAL EXCELLENCE. TOGETHER, WE CAN CONTINUE TO SHAPE A BRIGHTER FUTURE FOR THE FIELD OF ELECTRICAL AND ELECTRONICS ENGINEERING.

## 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.

## VISION

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





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## NOTABLE PROJECT

### എം.ബി.സി എൻജിനീയറിങ് കോളജിൽ വിദ്യാർത്ഥികൾ നിർമ്മിച്ച സൗരോർജ്ജ വാഹനം കൈമാറി

പിതമേട് : കുട്ടിക്കാനം എം.ബി.സി എൻജിനീയറിങ് കോളജിലെ വിദ്യാർത്ഥികൾ നിർമ്മിച്ച സൗരോർജ്ജ വാഹനം കോളജിന് കൈമാറി.

സോളാർ പാനൽ ഉപയോഗിച്ച് ഓടിക്കാവുന്ന സെൽഫ് ചാർജിംഗ് ഇലക്ട്രിക് വാഹനമാണിത്. മാർ ബസേലിയോസ് എൻജിനീയറിംഗ് കോളജിലെ ഇലക്ട്രിക്കൽ വിദ്യാർത്ഥികളും അദ്ധ്യാപകരും ചേർന്നാണ് രൂപകൽപ്പന ചെയ്തത്. ഡയറക്ടർ പ്രിൻസ് വർഗ്ഗീസിന് കൈമാറുന്നു.



കുട്ടിക്കാനം മാർ ബസേലിയോസ് എൻജിനീയറിങ് കോളജിലെ വിദ്യാർത്ഥികൾ നിർമ്മിച്ച സൗരോർജ്ജ വാഹനം കോളജ് ഡയറക്ടർ പ്രിൻസ് വർഗ്ഗീസിന് കൈമാറുന്നു

### LAUNCHING OF SERI (SOLAR POWERED ELECTRIC RIKSHAW)

THE EEE DEPARTMENT ORGANIZED A LAUNCHING CEREMONY OF SERI SOLAR POWERED ELECTRIC RICKSHAW (SERI) AT MBC CHAPEL ON 22 JUNE 2023 BY PRINCE VARGHESE, DIRECTOR MBC CET.

## PUBLICATION

MR. PAUL SHAISE, MR. ALANT K JOSEPH, MR. DELVIN SHIBU, MR. JINTO K AJI, PROF. GRIESH R, PROF. VENMA PRABHASH PRESENTED A PAPER ON THE INTERNATIONAL CONFERENCE ON ADVANCED WIRELESS COMMUNICATION AND PERVASIVE TECHNOLOGIES (ICAWCPT-23) AS A CONFERENCE CHAIR ON 25 TH AND 26 TH JUNE 2023

MR. BIVIN PHILIP KURIAN, MR. JAIN ABRAHAM, MR. AKSHAYA KRISHNA, MR. SOJIN GEORGE, DR. V I GEORGE, PROF. VENMA PRABASH PRESENTED A PAPER ON THE 2 ND NATIONAL CONFERENCE ON THE ADVANCES IN SMART COMPUTING AND DATA SCIENCE.

### 7<sup>th</sup> SEMESTER TOPPERS



Aney Manoj  
S8 EEE



Derlin Baby  
S8 EEE



Joice P Abraham  
S8 EEE



Kesia Sunny  
S8 EEE

NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL

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MAR BASELIOS CHRISTIAN  
COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Electrical and Electronics Engineering

Congratulations

ATHULYA SUDARSHAN  
CGPA-8.32

ANJALY.M  
CGPA-7.32

PRINCE RAJ  
CGPA-7.18

SI EEE TOPPERS



## STUDENTS ACHIEVEMENT

BIBIN PHILIP, AKSHAYA KRISHNA, JAIN ABRAHAM, AND SOJIN GEORGE OF S8 HAVE ACHIEVED A NOTABLE MILESTONE BY SECURING A GRANT OF RS. 25,000/- FOR THEIR OUTSTANDING FINAL-YEAR PROJECT AT THE VAIGA AGRI HACKATHON, ORGANIZED BY THE KERALA AGRICULTURE DEPARTMENT.



Department of Electrical and Electronics Engineering

### LIGHT ELECTRIC VEHICLES POWERTRAIN AND CONTROLS.

**TECH-TALK**  
**RATHEESH.K**

VENUE: PTA SEMINAR HALL  
DATE: 17-03-2023  
TIME: 9.30 AM - 12.30 PM

**More Information**

7356361341  
www.mbcpeermade.com

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COLLEGE OF ENGINEERING & TECHNOLOGY  
KUTTIKANAM, PEEPMAD

8++  
NAAC

NBA  
ACCREDITED



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COLLEGE OF ENGINEERING & TECHNOLOGY  
KUTTIKANAM, PEEPMAD

**EGNIZITA**  
EEE Association  
in Collaboration with  
IE(I) Students Chapter Department Of EEE

**Talk Session on**  
**OPPORTUNITIES IN ELECTRICAL ENGINEERING**

**SPEAKER**

**A NARAYANAN**  
CHARTERED ENGINEER  
ZED ASSESSOR & BUSINESS CONSULTANT

15.03.2023, 2-4 PM  
PTA Seminar Hall

8++  
NAAC

NBA  
ACCREDITED



### 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

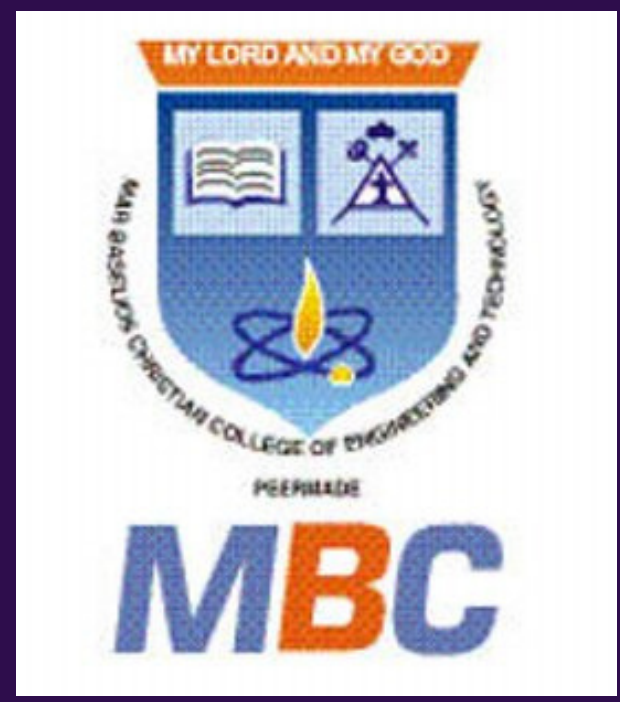
### PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

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





# LANTERN

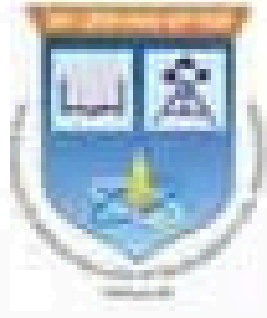
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## PLACEMENT




**MAR BASELIOS CHRISTIAN  
COLLEGE OF ENGINEERING AND TECHNOLOGY**  
KUTTIKANAM, PEERMADE




*Congratulations*




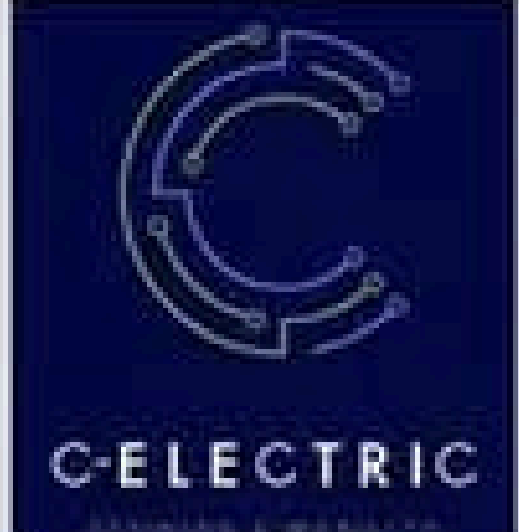
**ANEY MANOJ**  
SB EEE




**GOUTHAM KRISHNA**  
SB ME



**SOJIN GEORGE SONY**  
SB EEE






**ABHIJITH T**  
SB EEE



**BIVIN PHILIP KURIAN**  
SB EEE



**AIMAN SHAHUL**  
SB EEE



**ELDHOSE K V**  
SB EEE

