



CMR INSTITUTE OF TECHNOLOGY, BENGALURU  
Department of Electrical  
& Electronics Engineering

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CMR INSTITUTE OF TECHNOLOGY, BENGALURU

# Department of Electrical & Electronics Engineering

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## About

The Department of Electrical & Electronics Engineering was started in the academic year 2002-2003. The Department offers an undergraduate program in the field of Electrical & Electronics Engineering for which the student intake is currently 120.

The Department of Electrical & Electronics Engineering is approved by the All India Council for Technical Education (AICTE), and is permanently affiliated to Visvesvaraya Technological University (VTU), Belgaum in Karnataka.

The National Board of Accreditation, New Delhi accredited the department for 3 years in 2016.

The Department has established a Research Centre under VTU to facilitate research activities for both faculty and students.

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# Industrial Visit

## Industrial Visit to KPCL, Shivanasamudra

Under the guidance of Prof. Anju Das, Prof. Aruna Kumari & Prof. Sudhakar Vitta students of 3<sup>rd</sup> Semester went for an industrial visit to Karnataka Power Corporation Limited (KPCL), Shivanasamudra Solar Power Plant. It is the largest solar power plant commissioned for KPCL with 10 MW grids.



## Industrial Visit to CPRI, Bengaluru

Industrial visit was organized for 7<sup>th</sup> semester students to Central Power Research Institute (CPRI), Bengaluru on 25<sup>th</sup> September, 2017. Prof. Chitra M. & Prof. Keka M accompanied the students for this visit. CPRI is the power house of the Indian electrical industry. Set up in 1960 by the Government of India, it functions as a center for applied research in electrical power engineering assisting the electrical industry in product development and quality assurance. CPRI also serves as an independent authority for testing and certification of power equipment. With its state-of-the art infrastructure and expertise, CPRI has made significant contributions to the power sector in the country for improved planning, operation and control of power systems.

Every Semester department sends the students for industrial visits so that they can be exposed to practical world where theory meets the application



# Events

## FEEE ROBOTICA

Robotica was a competition based on the captivating topic of Artificial Intelligence (AI) organized by the FEEE Department of CMRIT on 13th October 2017. It tested the participants based on their knowledge of artificial intelligence as well as their ability to put forth their views on a debatable topic. Faculty coordinator of FEEE is Prof. Parvathy Thampi M.S. and student coordinator is Ms. Chandrama Bhowmik(7th Sem). The judges of the event were faculty members from the EEE Department, Prof. Chithra M and Prof. Tania Hari. The first place was awarded to DV Bhuvan (2nd year, EEE branch), second place to Anupam S Kumar (2nd year, EEE branch) and third place to Prachi Singh (1st year).



To promote co curricular & extracurricular activities among students various events are organized by the department every semester.

## The Electrical Jeopardy TeJ17

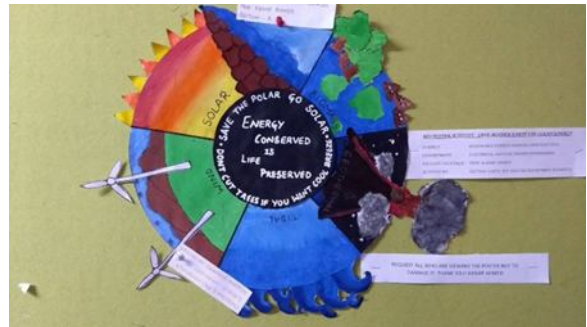
Prof. Kashif Ahmed organized The Electrical Jeopardy – TeJ17 Quiz Competition for 1<sup>st</sup> semester students on 13<sup>th</sup> & 14<sup>th</sup> November. The cash prize of Rs. 1000/- was sponsored by the management. Total 51 Teams (2 members per team) participated in this event.





# RESEEECMRIT17

Prof. Kashif Ahmed organized RESEEECMRIT17 for 5<sup>th</sup> Semester Students to spread awareness on Environmental Protection & Use of Renewable Energy Sources. Various activities included Tree Planting, Choice of Activity on Green Energy theme, and Poster presentation on the themes of Renewable Energy Sources & Go Green pledge were organized for this event.





# Placement Details

Company name	Date of drive	Number of offers
IBM	09/09/2017	3
LTI	11/09/2017	22
Ellucian	04/10/2017	1
Microland	10/10/2017	3
HPE	21/11/2017	1

Our students are our wealth & preparing them to face the competitive world is our biggest responsibility

# Alumni Achievements

Anukesh L A, of 2006-10 batch received the prestigious **“Above & Beyond Award”** at IBM Technologies, Bengaluru for his honesty & his outstanding contribution towards organizational development. He is a valuable employee of IBM for last 5 years.



# Parent Teacher Meeting

Parent teacher meeting was organized by the department on 11th November, 2017. Many parents came with the eagerness to discuss the performance of their wards. Mentors & Faculty members updated parents with not only the progress of their wards but also acquainted them with the difficulties they are facing.



# Student Achievements

## CMR Leadership Award

Mr. Arun Teja of 7th Semester was selected for prestigious CMR Leadership Award distributed by CMR Jnanadhara Trust for 2017. He was rewarded with scholarship of 10,000/- on 18th November, 2017 at a special award ceremony organized at CMRIT on the occasion of Silver Jubilee celebration of CMR Group. CMR Leadership award is not only rewarded for excellent contribution in academics, sports, co-curricular and all other institute related activities, for possessing distinct communication skills & leadership qualities, but also for setting an example through behavior/conduct towards others.



## Students shine in India Hacks 2017

Gaurav Baindur and Dipshi Singh of 7th Semester EEE participated in India Hacks Hackathon in the track of IOT. The name of their team was "The Going Merry" and they presented a project "IOT Device for Differential Diagnosis of Malaria". They finished as top 5 in South Zone level and stood 9th in grand finale at national level.



Students always  
make the  
department proud  
with their glorious  
achievements.





# CMR Merit Scholarship

7 Students were selected for CMRIT merit scholarship distributed by CMR Jnanadhara Trust for 2017 academic year. This award was given for excellent academic achievements. They were rewarded with scholarship of 10,000/- on 18th November, 2017 at a special award ceremony organized at CMRIT on the occasion of Silver Jubilee celebration of CMR Group. Awarded Students are:

**Shivapriya R.(7th Sem)**



**Shivalakshmi Ningonda Halli (5th Sem)**



**Sachin S. (7th Sem)**



**Shravani K.N. (5th Sem)**



**Sonu Sharma  
(7th Sem)**



**Chetan Gowda S. (5th Sem)**



**Yashaswini G.M. (3rd Sem)**





# Sports Achievements

Sagar V Gobbur of 5th semester, EEE participated in the Inter Collegiate Zonal Badminton Tournament organized by VTU on 4th September, 2017 at CMRIT ground and secured second place in the tournament.



Games & sports are inseparable part of overall personality development

CMRIT Football Team became runners up in Inter CMR Football Tournament organized at CMR University ground, Bengaluru. Antony Paul, Francis Paul, Sudheer Singh, Prem Appachu, Pavan Kumar of EEE department were the significant members of CMRIT Football Team.



# FACULTY ACHIEVEMENTS

CMR Group celebrated its Silver Jubilee on 19th November, 2017.



Hardworking & dedicated faculties are the backbone of department

## 10 Years Service Award:

On the eve of celebration night CMR Group honoured Prof. Sanitha Michail.C & Prof. Reba Kundu for their dedicated service of 10 years.



**Prof. Sanitha Michail C**  
10Years



**Prof. Reba Kundu**  
10 Years

## 5 Years Service Award:

Prof. Anju Das & DOE Mr. Lakshman G were awarded for completing 5 successful years at CMRIT.



**Prof. Anju Das**  
5 Years



**DOE Mr. Lakshman G.**  
5 Years



# FACULTY PUBLICATIONS

## RESEARCH PAPERS

Anju Das, "Multi-Rotor Wind Mill Power Generation System", International Conference on Science, Technology & Management (ICSTM-2017), IETE, Bengaluru, September, 2017



Sumit Mohanty, Amlan Basu, "Introduction of fractional elements for improving the performance of PID controller for heating furnace using AMIGO tuning technique", ELSEVIER Perspectives in Science Journal, Volume-8.



Tania H M , Jagadish Kumar Patra, Dr Manavalan G, Poongothai M G, Prema S," A Closed Loop System to Stabilize a 24V Solar Nano Grid", International Conference on Smart Grids, Power and Advanced Control Engineering (ICSPACE 2017), Global Academy of Technology, Bangalore, 17-19 August 2017.



Kashif Ahmed, "Optimal cost Analysis of Off-Grid Hybrid Renewable Energy System with PV Degradation and Electrical Load Variation using Multi-Year Module and Advanced Storage Module", International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS 2017) ,SKR Engineering College, Chennai, 2nd August 2017



Department is  
always devoted to  
research &  
application specific  
work on cutting  
edge technologies

## BOOK PUBLICATION

Sumit Mohanty, Amlan Basu, "FOPID Controller for Heating Furnaces: Meliorating Heating Furnace System Performance Using Pid Controller With Fractional Elements", White Falcon Publishing, ISBN: 9781943851928



Sumit Mohanty & Vipul Gupta, "Chapter wise Previous Years Solved Papers (2017-2000) GATE Instrumentation Engineering", Arihant Publication, ISBN: 9789350944561





# TOPPERS

Trishala P L scored 81.6% in 8<sup>th</sup> semester VTU Examination.



Suraj R. scored 81% in 6<sup>th</sup> semester VTU Examination.



Our toppers have made us proud in academic fields also in terms of scoring good marks

Sujana M. scored 8.54CGPA in 4th semester VTU Examination.

