

## Target Audience

- Faculty members from AICTE approved Institutions
- Research Scholars
- Industry Delegates
- PG & UG Students

## Resource Persons

**Mr. Deepesh Kumar Barla**, *Managing Director*,  
EVRETRON ENERGIES INDIA  
PRIVATE LIMITED, Hyderabad.

**Mr. Vineeth Golla**, *Battery Engineer*,  
EVRETRON ENERGIES INDIA  
PRIVATE LIMITED, Hyderabad.

## Registration Fee

- |  |           |
|--|-----------|
| • Industry Delegates                       | Rs 1000/- |
| • Faculty, Research Scholars & PG Students | Rs 800/-  |
| • UG Students                              | Rs 500/-  |

The Participants can submit the duly filled in registration form Original/Duplicate in the prescribed format with a Demand Draft drawn in favor of “JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND SCIENCE” Payable at KARIMNAGAR.

Registration forms will be available on website  
[www.jits.ac.in](http://www.jits.ac.in)

## Facilities for Participants

Participants will be provided tea/snacks along with the workshop kit. The participants are requested to make their own arrangements for Lodging.

## Important Dates

Last Date for Receipt of Applications: 18<sup>th</sup> June, 2022

Intimation of Acceptance: 20<sup>th</sup> June,

## Chief-Patron

**Sri. J.Sagar Rao**, Chairman  
Jyothishmathi Group of Institutions.

**Sri.J.Sumith Sai**, Secretary  
Jyothishmathi Group of Institutions

## Patrons

**Dr. K.S Rao**, Principal  
Jyothishmathi Institute of Technology and Science, Karimnagar

## Advisor

**Dr. Manikandan.M**  
Professor in EEE Dept

## Convener

**Dr. G.Sridhar**  
HOD EEE  
Jyothishmathi Institute of Technology and Science, Karimnagar

## Co-Convener

**Sri. T.Praveen Kumar**, Assoc. Prof., EEE  
**Sri.R.Babu**, Assoc. Prof., EEE

## Co ordinators

**Sri. Viswaprakash Babu**, Assoc. Prof., EEE  
**Sri S.Gopal Reddy**, Assoc. Prof., EEE

## Organizing Committee Members

<b>Sri Ch.Sajan</b>	Assoc. Prof., EEE
<b>Sri. Ch.Sathish</b> ,	Asst. Prof., EEE
<b>Sri. K.Srujan Kumar</b>	Asst. Prof., EEE
<b>S.Samatha</b>	Asst. Prof., EEE
<b>R.Shiva Kumar</b>	Asst. Prof., EEE
<b>K.Narsaiah</b>	Asst. Prof., EEE
<b>R.Bhgya Rekha</b>	Asst. Prof., EEE
<b>M.Sravanthi</b>	Asst. Prof., EEE
<b>G.Ramesh</b>	Asst. Prof., EEE
<b>K.Nagajyothi</b>	Asst. Prof., EEE
<b>B.Uday Bhasjar</b>	Asst. Prof., EEE

## For Details / Registration Contact

**Sri. R.Babu** – 9849024193  
Email; [hod.eee@jits.ac.in](mailto:hod.eee@jits.ac.in)

# JYOTHISHMATHI INSTITUTE OF TECHNOLOGY & SCIENCE

(Affiliated to JNTUH, Hyderabad)  
Nustulapur, Karimnagar - 505481

## TWO – DAY WORKSHOP

ON

“Electric Vehicle Design & Manufacturing”

June 21<sup>st</sup> & 22<sup>nd</sup> - 2022

(In Association with EVRETRON ENERGIES INDIA  
PRIVATE LIMITED, Hyderabad)



Organized by

**Department of Electrical & Electronics Engineering**

JYOTHISHMATHI INSTITUTE OF TECHNOLOGY & SCIENCE,  
NUSTULAPUR, KARIMNAGAR.

**Convener**

**Dr. G.Sridhar**  
HOD EEE

## About the Institution

Jyothishmathi Institute of Technology and Science began its journey of excellence in the year 1997 as a self-financial Engineering college under Shalini Vidya Samstha, Karimnagar with a vision of providing technical education to the rural students by our esteemed chairman Sri. Juvvadi Sagar Rao Garu. JITS is approved by the All India Council for Technical Education (AICTE), New Delhi, Accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade and is affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad.

The institute is located in lush green campus of around 65 acres with all infrastructural facilities and state-of-the-art laboratories. Well qualified and experienced faculty are the strength which made our institution to gain high reputation by bagging six gold medals at JNTU Hyderabad and stood as one of the top institution in Telangana.

We offer six UG programmes with an intake of 600, two PG programs in ECE and CSE departments. MBA and Diploma programmes in 3 disciplines of ECE, CSE & EEE. Our institution is recognized as a research center in CSE department by JNTU Hyderabad.

## About the Department

The Department of Electrical & Electronics Engineering was established in the academic year 1997-98, with annual intake of 60. Twenty One batches of B.Tech students have graduated so far and they are well placed in multinational companies, State & Central Govt. Organizations like GENCO, TRANSCO, NTPC, BHEL etc., The department offer Diploma Programme in Electrical & Electronics Engineering with an intake of 180.

## About the Workshop

Transportation is a backbone for countries economy. The traditional fossil fuel vehicles are facing serious challenges in terms of fuel efficiency, green house emission and fuel cost. Due to diminishing resources of fossil fuels, the current research in automotive industry is in main stream with Electric vehicles. The technology behind energy conversion from electric energy to mechanical energy has to deal with many challenges such as power train issues, charging infrastructure, grid impact, BMS for efficient charging and discharging,

suitable power electronic converter for the power processing for the source to load and power quality issues when vehicle is integrated to grid are some of the concern to be addressed.

## Benefits of this Workshop

- An awareness about the research requirement of automotive industry
- Opportunities in Electric vehicle research area
- Transition from fossil fuel to renewable integration.

## Workshop Content

- Introduction to Electric Vehicle Technology
- Fundamentals of Electric Vehicle
- E-Cycle components selection and working
- Calculation, Simulation and Analysis
- Li-ion Battery Building & Testing
- EV Conversions & Troubleshooting
- Electrical Safety & Troubleshooting
- EV Market Scenario & Job Opportunities

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### REGISTRATION FORM

Name: Mr /Ms.....  
Designation: .....  
Department: .....  
Qualification: .....  
Professional Experience: .....  
Name of the College & Address: .....  
.....  
Address for communication: .....  
.....  
Pin Code: .....  
Email-Id: .....  
Mobile No: .....  
DD Details:  
DD No:  
Date:  
Bank:

Signature of the participant

Signature Head of the Institution  
(With Seal)