



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

**Sree Sainath Nagar, Tirupati, Andhra Pradesh – 517 102. Tel: 0877-3066900 |
www.vidyanikethan.edu**

Department of Electrical and Electronics Engineering

No3. SVEC/EEE/2021-22

06rd July 2021

A Two -Day National Level Seminar Series on

“Advanced Technological applications in Electrical Engineering and Career Opportunities”

**in association with Centre for Energy-SVEC under IEEE Student Branch and
ISTE Student Chapter held On**

03rd & 4th July 2021

REPORT

A Two-Day Online National Level Series of Seminar on "*Advanced Technological applications in Electrical Engineering and Career Opportunities*", was organized in association with Centre for Energy-SVEC, IEEE Student Branch & ISTE Student Chapter by Department of Electrical and Electronics Engineering, Sree Vidyanikethan Engineering College, Tirupati for the benefit of Research scholars, PG and UG students of various institutions under JNTUA. Nearly, 225 students were registered from various institutions and participated the national seminar through virtual plot form ZOOM.

This objective of this Two Day National Level Seminar Series to give an exposure for UG, PG Students and Research Scholars about various emerging technologies used in Electrical engineering field such as Internet of things to controlling of home and commercial applications i.e. light, fan, TVs', AC & Refrigerators etc. With user friendly software's, the role of modern transportation systems with EV's which are Eco friendly and are future transportation systems, Industrial Inverters & its Applications in industry as well as society solutions and Career Opportunities Beyond B. Tech. The techniques and methods are implemented and accomplished to solve the core issues and challenges in industry. The sessions are organized by industry oriented experts and all our proud EEE alumnus working on various organizations. The details of the resources persons are

- 1. Mr. J Rajesh Kumar, Automation Engineer, Easy Step In IT PVT LTD, Bangalore,**
- 2. Mr. J. Raja, Deputy Manager, SRC Steels, Surat.**
- 3. Mr. M V Sai Krishna, Vehicle Automation Engineer, Prime Rail Infra Labs Pvt. Ltd, Bangalore.**
- 4. Mr. Reddy Srinivasa Reddy, Developer, KPIT Technologies Ltd, Pune.**

National seminar series inaugural session started on 03rd July, 2021 at 10:30 AM and the inaugural proceedings was carried by Dr. N. M. G.KUMAR Professor and convener of the seminar, Dept. of EEE by welcoming the all resources experts through and enlighten the importance of the various advanced technologies in electrical engineering and **Dr. M. S. Sujatha**, Professor and Head of department, Department of Electrical and Electronics welcomed the participants and experts, briefed about the importance of the program and encouraged all students participates to all the sessions and make use of it. Madam also stress about to interact all the student participants with the resources persons are just seniors and get benefited from the program. Dr. M. S. Sujatha has also congratulated and appreciated the Dr. NMG Kumar and Mr. P. Venkatesh Asst. Prof. for their enthusiasm in organizing the event.

Day1: 03-07-2021

Session 1: Keynote address by Resource person – **Mr. J Rajesh Kumar**, Automation Engineer, Easy Step In IT PVT LTD, Bangalore.

Title - **IoT (Every Thing & Every Where)**

Mr. J Rajesh Kumar, Automation Engineer, Easy Step In IT PVT LTD, Bangalore has acted as a resource person for the sessions on Day-I, session-1 and enlightened the participants on the following aspects:

- Fundamentals of IOT and Role play of IoT in modern era and its solution.
- Enlightened about the architecture of IoTs, software's and various Micro Controllers for commercial and societal issues, challenges and applications.
- IoT industry and its Futures in the next coming generation.



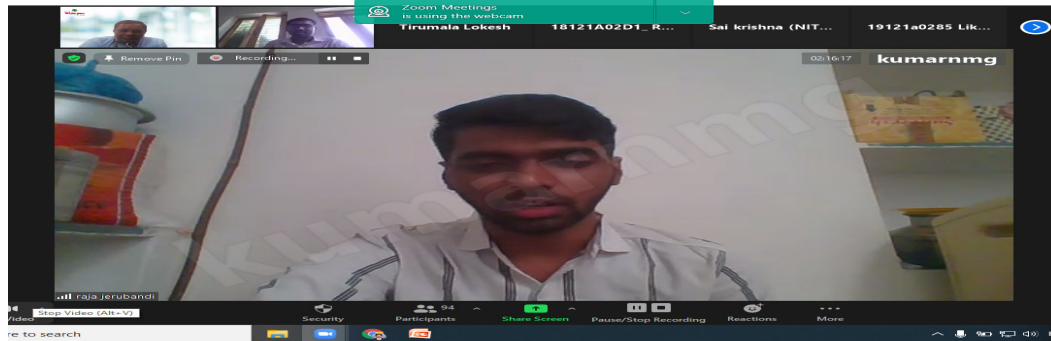
Day1: 03-07-2021

Session 2: Keynote address on by Resource person – **Mr. J. Raja**, Deputy Manager, SRC Steels, Surat.

Title - **Carrier Opportunities Beyond B. Tech**

Mr. J. Raja, Deputy Manager, SRC Steels, Surat has acted as a resource person for the sessions on Day-1, session-2 and enlightened the participants with

- Briefed about the Carrier Opportunities in B. Tech. and also shared about experiences on various industries and role of higher educations.
- He also delivered about his PG project Closed loop speed control of PMSM drive and the role of matlab software in projects.



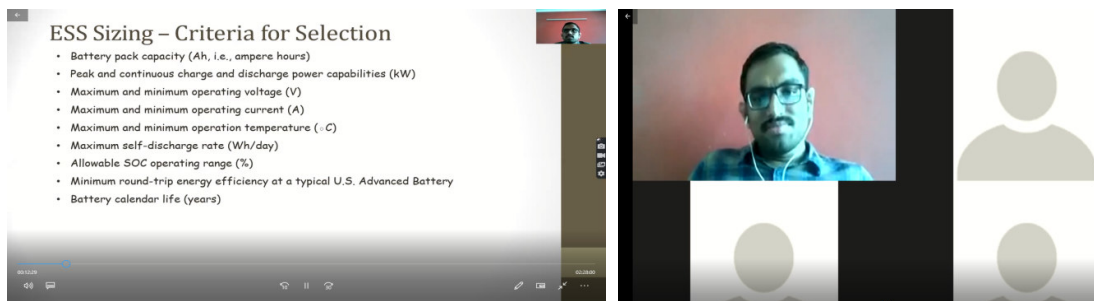
Day2: 04-07-2021

Session 2: Keynote address by Resource person – **Mr. M V Sai Krishna**, Vehicle Automation Engineer, Prime Rail Infra Labs Pvt. Ltd, Bangalore.

Title - **The Role of Electrical Vehicles**

Mr. M V Sai Krishna, Vehicle Automation Engineer, Prime Rail Infra Labs Pvt. Ltd, Bangalore has acted as a resource person for the session-1 on Day-2, enlightened the participants with

- Modern days of transportation system for rural and urban society and its environmental importance.
- EV components and driving mechanism and its system of operation and its maintenance.
- Briefed about Battery management system in EV.
- BLDC applications in EV.



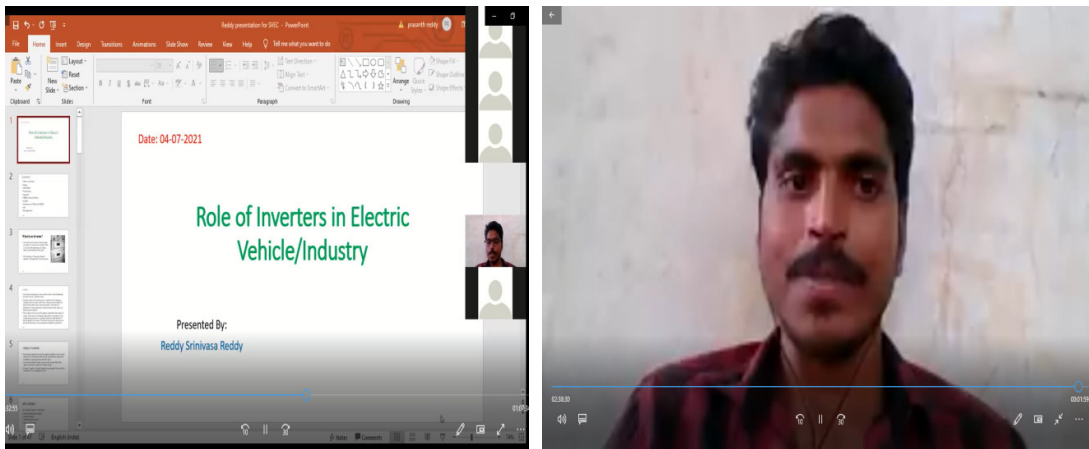
Day2: 04-07-2021

Session 2: Keynote address by Resource person- **Mr. Reddy Srinivasa Reddy**, Developer, KPIT Technologies Ltd, Pune.

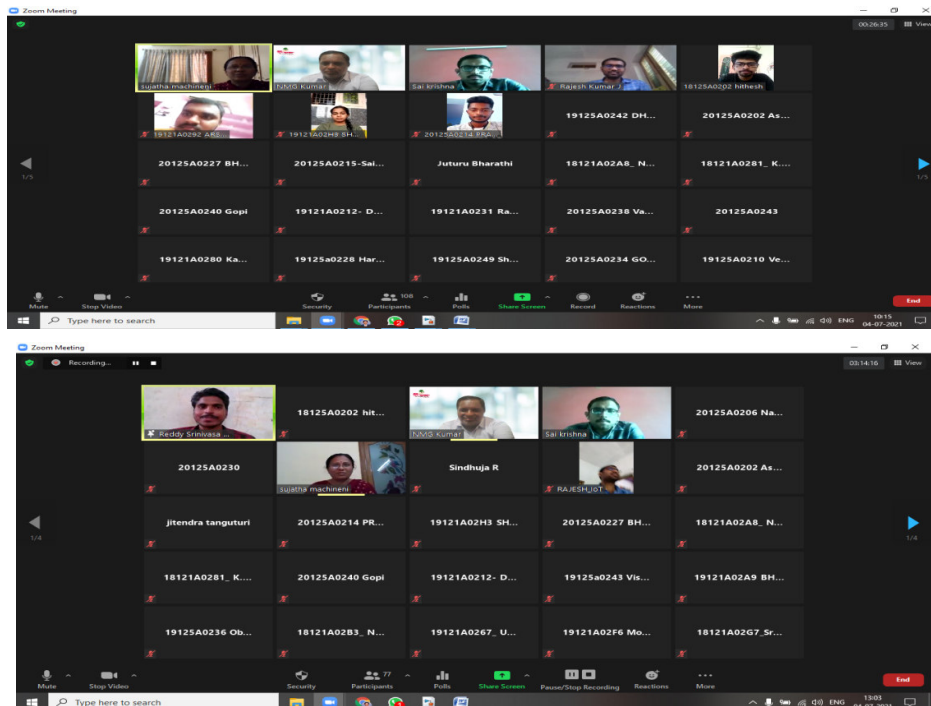
Title: **Industrial Inverters and its Applications.**

Mr. Reddy Srinivasa Reddy, Developer, KPIT Technologies Ltd, Pune has acted as a resource person for the session-1 on Day-2, enlightened the participants with

- Brief review on inverters and its applications.
- Role, issues, challenges & architectures of Inverters in Electric Vehicle/Industry.
- Various control techniques and strategies for DC/DC converters used in Industry
- Carries opportunities in various Industries.



Finally, Vote of Thanks by Dr. N.M.G. KUMAR, Convener Advanced Technological applications in Electrical Engineering and Career Opportunities, Department of EEE, SVEC.



Outcomes of SDP

The students participants have all four fruitful sessions and enhanced their:

- Knowledge, issues, challenges, opportunities and problem solving skills in various advanced Technological applications in Electrical Engineering which are used and applied in Industry

Especially

- IoT (Every Thing & Every Where)
 - The Role of Electrical Vehicles.
 - Industrial Inverters and its Applications
- Career Opportunities in Various public and private organizations.