



Smt. Kamala & Sri Venkappa M Agadi College of Engineering  
& Technology Laxmeshwar-582116



Skill Development & Entrepreneurship Cell

Department of Electrical & Electronics Engineering

Date: 20/08/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: Field Visit to In-House Power Grid of SKSVMACET

Event is conducted on 17/8/2019 for 3<sup>rd</sup> sem EEE Students by Prof .Iranna.M & Prof.Manjunath.H to Explain the organization of in house power grid of SKSVMACET, Laxmeshwar.

### **Key Takeaways form the Event**

1. Students understood the organization of In house power grid.
2. Operation of metering cubicle and distribution transformer are explained to the students.
3. specifications of the campus Generator set and automatic switching mechanism are explained to the students.

### **Gallery**







Smt. Kamala & Sri Venkappa M Agadi College of Engineering  
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Skill Development & Entrepreneurship Cell

Department of Electrical & Electronics Engineering

Date: 20/09/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: Field Visit to Solar Power Plant to govanal village.

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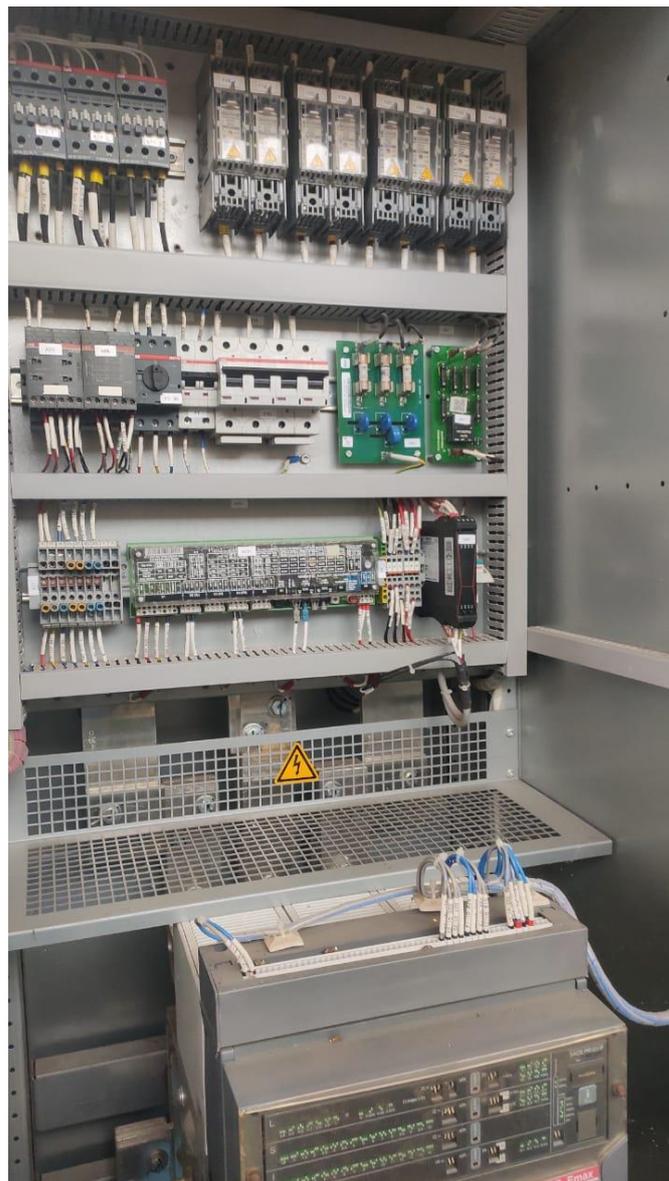
Event is conducted on 19/09/2019 for 3<sup>rd</sup> sem EEE Students by Prof .Iranna.M & Prof.Manjunath.H to Explain the organization and operation of Solar Power Plant.

### **Key Takeaways form the Event**

O&M Engineer Mr.Giriraj Kudari Explained the following to students & staff.

1. The installation procedure, Specifications of the solar panels used.
2. The working of solar panels along with sensors & motors for automatic positioning (Tracking of sun).
3. Interconnection of PV arrays to the control room.
4. Operation of Inverters to convert DC to AC.
5. Step up transformer to boost the voltage level for the required voltage.
6. Transmission of generated power to the KPTCL. And tariff plan.

## Gallery







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Department of Electrical & Electronics Engineering

Date: 30/10/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: Technical Talk on smart power systems & Grid Automation.

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Event is conducted on 05/10/2019 for all students of EEE dept.

The resource person was Dr.Santoshkumar. Hampannavar, Professor in EEE Dept.  
REVA University Bengaluru.

### **Key Takeaways form the Event**

Dr.Santoshkumar. Hampannavar Explained the following to the audience.

1. The Innovations in the conventional power system.
2. The IoT Enabled power system equipments.
3. The Organization and operation of Smart Grid.
4. The differences between Conventional grid & Smart grid.
5. Distributed generation & grid automation techniques.
6. Operation of Phasor measurement unit.

## Gallery







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Date: 20/10/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: Field Visit Varahi Hydro Power Plant..

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Event is conducted on 11/10/2019 for 7th sem EEE Students by Prof.Mallaiah & Prof.Nirosha to study the organization and operation of Hydro Power Plant.

### **Key Takeaways form the Event**

The Operation & Maintenance staff of the power plant Explained the following to students & staff.

1. The Plant layout and the history of varahi hydro project.
2. The Installed capacity of the plant.
3. The Specifications of the water turbine and the generators used in the plant.
4. The control of various units from the control room.
5. The SCADA Mechanism used in the plant.
6. The Transmission system and protection system installed.

## Gallery





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Date: 20/10/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: Field Visit Varahi Hydro Power Plant..

Event is conducted on 18/10/2019 for 5th sem EEE Students by Prof.Mallaiah & Prof.Pratima, to study the organization and operation of Thermal Power Plant.

### **Key Takeaways form the Event**

The Operation & Maintenance staff of the power plant Explained the following to students & staff.

1. The Plant layout and the history of Ballary Thermal Power project.
2. The Installed capacity of the plant.
3. The Wagon tripping & crushing mechanism of coal & Transportation of coal Pieces to the plant.
4. The operation of Boilers, Steam turbines & generators used in plant.
5. The Control room & operation.
6. The Transmission system and protection system installed in the plant.

## Gallery





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Date: 30/10/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: Field Visit to 110KV Substation Laxmeshwar.

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Event is conducted on 29/10/2019 for 5th sem EEE Students by Prof.Manjunath.V & Sanjeev K, to study the organization and operation of Substation.

### **Key Takeaways form the Event**

The Operation & Maintenance staff of the Substation Explained the following to students & staff.

1. The Plant layout of the substation.
2. The operation of Stup Down Transforms, Circuit Breakers, Relays.
3. The operation of Lightning arrestors.
4. Importance of grounding.
5. Various metering devices installed.
6. Switching operation of various feeders.
7. Operation of CTS & PTS.

## Gallery





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Date: 30/11/2019

## **REPORT**

Name of SDEC Co-ordinator: Mr.Manjunath. Hombal

Event Name: MoU between SKSVMACET & Shantala group Hubballi

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- Event is conducted on 29/11/2019
- This MOU is executed between EEE,CIVIL & MECHANICAL Engg departments of SKSVMACET Laxmeshwar & Shantata Group Hubballi.
- MoU is signed by Dr.U.S.Hampannavar Principal SKSVMACET Laxmeshwar & Mr.Vinod. General Manager (Technical & Training) Shantala Group Hubballi.

### **Key Takeaways form the Event**

This MoU helps SKSVMACET in the following aspects

1. To conduct various technical trainings to our students by shantala engineers.
2. To understand the innovations happening in the core areas in the industry.
3. For Internship & placements of students in the Shantala Group and other related industries.
4. Consultancy work between college and the Shantala Group.

## Gallery





