



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  
**(Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated  
to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**A Report**

on

**AICTE Sponsored**

**Two Weeks**

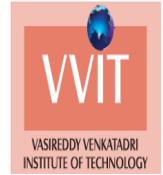
**Faculty Development Programme**

**Phase-I : 2<sup>nd</sup> -14<sup>th</sup> October, 2020**

**Phase-II : 30<sup>th</sup> November- 12<sup>th</sup> December, 2020**



**AICTE Sponsored  
A Two Week Online FDP  
(Phase-I)**



**on**

**APPLICATION OF POWER ELECTRONICS IN  
RENEWABLE ENERGY SYSTEMS**

**(2<sup>nd</sup> -14<sup>th</sup> October, 2020)**



**Organised by**

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**

**(Autonomous)**

**Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to  
JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified**

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

All India Council for Technical Education  
New Delhi



Sponsored  
Two week online Faculty  
Development Programme (Phase-1)  
On

**"APPLICATIONS OF POWER  
ELECTRONICS IN RENEWABLE  
ENERGY SYSTEMS"**

2<sup>nd</sup> - 14<sup>th</sup> November, 2020

Organized  
by  
Department of EEE



**VASIREDDY VENKATADRI  
INSTITUTE OF TECHNOLOGY**  
Accredited by NBA & NAAC with "A" Grade  
Nambur, Guntur Dist.  
Andhra Pradesh- 522 508  
Ph: 0863-2293336. Fax: 0863-2293102  
Website: www.vvitguntur.com

**About the College**

Vasireddy Venkatadri Institute of Technology (VVIT) was established in the year 2007, under Social Educational Trust in Nambur village, Pedalakani mandal of Guntur district by Sri Vasireddy Vidyasagar. VVIT has self contained infrastructure located amidst the lush greenery of paddy and maize fields of Nambur located strategically between Guntur and Vijayawada, away from the hustle and bustle of the city life. In-house placement training team, absolute discipline, air-conditioned classrooms, multimodal teaching methodology, a 300 KW rooftop solar power plant to supply green power make VVIT a uniquely different professional college. VVIT has Google Code lab and recognized as Centre of Excellence (COE) by APSSDC. The college has Wi-Fi enabled internet with a bandwidth of 140 Mbps.

The institute is permanently affiliated to JNTU Kakinada, approved by AICTE and also an ISO 9001:2015 certified institution. All the branches CSE, ECE, EEE, ME, Civil & IT are accredited by NBA. The institution is also accredited by NAAC with "A" grade. The institute is offering 10 UG programmes in engineering and 5 PG programmes in M. Tech, with an intake of 1341 students every year.

**About the Department**

Electrical and Electronics Engineering department was established in the year 2007. Its graduates are serving the society since 2011 and have been making tremendous impact to the well being and development of the country. The department has been so structured, in terms of experienced staff and

excellent laboratory facilities. The department is offering both B. Tech and M. Tech with an intake of 180 and 18 respectively. The department is accredited by National Board of Accreditation for three years from 2017. The department provides ample opportunities to students to work on mini projects, develop communication skills, explore internship opportunities in industry and take active participation in national and international design contests.

**About the FDP Programme:**

Power Electronics technology has gone through dynamic evolution in the last few decades. Its applications are fast expanding in industrial, commercial, residential, transportation, utility, aerospace, and military environments. Power Electronics and the automatic control are important in decentralized generation of electric power by innovative wind power plants, photovoltaic cells or in the use of fuel cells. Power electronics plays significant role in harvesting power from renewable energy sources.

**Topics of the FDP:**

- ❖ Converters used for Renewable Energy systems
- ❖ Phase Controlled converters and PWM converters
- ❖ DC-DC Converters, Inverters, Multilevel Inverters
- ❖ Simulation Techniques in Power Electronics
- ❖ Power Electronics in Solar PV Systems
- ❖ Research challenges in Grid feeding solar PV inverters
- ❖ Power Electronics in Wind energy systems
- ❖ Simulation and Analysis of Renewable Energy systems

**Chief Patron**

Sri Vasireddy Vidyasagar, *Chairman*

**Patron**

Sri S. Badari Prasad, *Secretary*

Sri M. Sree Krishna, *Joint Secretary*

**Convener**

Dr. Y. Mallikarjuna Reddy, *Principal*

Dr. K. Giri Babu, *Dean of Studies*

Dr.A.V Naresh Babu, *Professor, HOD Dept. of EEE*

**Coordinator**

Dr. D.Srilatha, *Associate Professor, Dept. of EEE*

**Co-Coordinator**

Mr. K. K.Vasishta Kumar, *Assistant Professor Dept. of EEE*

**Organizing Committee**

Dr. S. Ravindra, *Professor*

Dr. Ch. V. Suresh, *Professor*

Mr. Sk. Rasululla, *Associate Professor*

Mr. Ch. Rambabu, *Associate Professor*

Mr. A. Hari Prasad, *Associate Professor*

Dr. P. Lakshman Naik, *Associate Professor*

Mr. I. L. J. Baktha Singh, *Associate Professor*

Mr. B. Srinivasa Raju, *Assistant Professor*

Mr. P. Mahamood Khan, *Assistant Professor*

Mr. A. Naveen Reddy, *Assistant Professor*

Mr. A. Rahiman, *Assistant Professor*

Mr. Ch. Naga Sai Kalyan, *Assistant Professor*

Mrs. A. Anusha, *Assistant Professor*

Mrs. T.Vasavi Prathyusha, *Assistant Professor*

Mr. P. Nagarajuna, *Assistant Professor*

**Resource Persons:**

The Senior and Eminent speakers from premier institutes like IIT's, NIT's and Industry will deliver the lectures.

**Eligibility Criteria:**

This programme is open to all AICTE approved Engineering college faculty, research scholars, and industry persons. Selection of participants will be on first-cum-first-serve basis.

**Registration Fee & other Information:**

There is no registration fee. The interested participants need to submit the online registration form through the link:

<https://forms.gle/uiP9pnxPu8XMu5ty5>

**Important Dates**

- Last date for registration  
28<sup>th</sup> October 2020
- Intimation of Selection  
29<sup>th</sup> October 2020

**Note:** e-certificate will be provided to the participants based on attendance and marks secured in the test conducted at the end of the programme.

**Address for Correspondence**

Dr. D.Srilatha  
Coordinator  
Department of EEE  
VVIT, Namburu,  
Guntur Dist., A.P - 522508

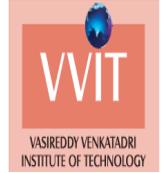


**For any Querries contact**

Mobile: 9502728191, 8008379079  
e-mail: [dandesrilatha.ccc@gmail.com](mailto:dandesrilatha.ccc@gmail.com)



**AICTE Sponsored  
A Two Week Online FDP  
(Phase-II)**



**RECENT TRENDS IN POWER ELECTRONICS FOR GRID  
INTEGRATION OF RENEWABLE ENERGY SYSTEMS**

**(30th November- 12th December, 2020)**



**Organised by**

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**

**(Autonomous)**

**Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to  
JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified**

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

**All India Council for Technical Education  
New Delhi**



**Sponsored  
Two week online Faculty  
Development Programme (Phase-2)**

**"RECENT TRENDS IN POWER  
ELECTRONICS FOR GRID  
INTEGRATION OF RENEWABLE  
ENERGY SYSTEMS"**

**30<sup>th</sup> November- 12<sup>th</sup> December, 2020**

**Organized  
by  
Department of EEE**



**VASIREDDY VENKATADRI  
INSTITUTE OF TECHNOLOGY  
(Autonomous)**

**Accredited by NBA & NAAC with "A" Grade  
Nambur, Guntur Dist.  
Andhra Pradesh- 522 508  
Ph: 0863-2293336. Fax: 0863-2293102  
Website: www.vvitguntur.com**

**About the College**

Vasireddy Venkatadri Institute of Technology (VVIT) was established in the year 2007, under Social Educational Trust in Nambur village, Pedakakani mandal of Guntur district by Sri Vasireddy Vidyasagar. VVIT has self contained infrastructure located amidst the lush greenery of paddy and maize fields of Nambur located strategically between Guntur and Vijayawada, away from the hustle and bustle of the city life. In-house placement training team, absolute discipline, air-conditioned classrooms, multimodal teaching methodology, a 300 KW rooftop solar power plant to supply green power make VVIT a uniquely different professional college. VVIT has Google Code lab and recognized as Centre of Excellence (COE) by APSSDC. The college has Wi-Fi enabled internet with a bandwidth of 140 Mbps.

The institute is autonomous and permanently affiliated to JNTU Kakinada, approved by AICTE and also an ISO 9001:2015 certified institution. All the branches CSE, ECE, EEE, ME, Civil & IT are accredited by NBA. The institution is also accredited by NAAC with "A" grade. The institute is offering 10 UG programmes in engineering and 5 PG programmes in M, Tech, with an intake of 1341 students every year.

**About the Department**

Electrical and Electronics Engineering department was established in the year 2007. Its graduates are serving the society since 2011 and have been making tremendous impact to the well being and development of the country. The department has been so structured, in terms of experienced staff and

excellent laboratory facilities. The department is offering both B. Tech and M. Tech with an intake of 180 and 18 respectively. The department is accredited by National Board of Accreditation for three years from 2020. The department provides ample opportunities to students to work on mini projects, develop communication skills, explore internship opportunities in industry and take active participation in national and international design contests.

**About the FDP Programme:**

Power Electronics technology has gone through dynamic evolution in the last few decades. Its applications are fast expanding in industrial, commercial, residential, transportation, utility, aerospace, and military environments. Power Electronics and the automatic control are important in decentralized generation of electric power by innovative wind power plants, photovoltaic cells or in the use of fuel cells. Power electronics plays significant role in harvesting power from renewable energy sources.

**Topics of the FDP:**

- ❖ Converters used for Renewable Energy systems
- ❖ Phase Controlled converters and PWM converters
- ❖ DC-DC Converters, Inverters, Multilevel Inverters
- ❖ Simulation Techniques in Power Electronics
- ❖ Power Electronics in Solar PV Systems
- ❖ Research challenges in Grid feeding solar PV inverters
- ❖ Power Electronics in Wind energy systems
- ❖ Simulation and Analysis of Renewable Energy systems

**Chief Patron**

Sri Vasireddy Vidyasagar, *Chairman*

**Patron**

Sri S. Badari Prasad, *Secretary*

Sri M. Sree Krishna, *Joint Secretary*

**Convener**

Dr. Y. Mallikarjuna Reddy, *Principal*

Dr. K. Giri Babu, *Dean of Studies*

Dr. A.V. Naresh Babu, *Professor, HOD Dept. of EEE*

**Coordinator**

Dr. D.Srilatha, *Associate Professor, Dept. of EEE*

**Co-Coordinator**

Mrs.A.Anusha, *Assistant Professor, Dept. of EEE*

**Organizing Committee**

Dr. S. Ravindra, *Professor*

Dr. Ch. V. Suresh, *Professor*

Mr. Sk. Rasululla, *Associate Professor*

Mr. Ch. Rambabu, *Associate Professor*

Mr. A. Hari Prasad, *Associate Professor*

Dr. P. Lakshman Naik, *Associate Professor*

Mr. I. L. J. Baktha Singh, *Associate Professor*

Mr. B. Srinivasa Raju, *Assistant Professor*

Mr. K. K.V. Kumar, *Assistant Professor*

Mr. P. Mahmood Khan, *Assistant Professor*

Mr. A. Naveen Reddy, *Assistant Professor*

Mr. A. Rahiman, *Assistant Professor*

Mr. Ch. Naga Sai Kalyan, *Assistant Professor*

Mrs. T.Vasavi Prathyusha, *Assistant Professor*

Mr. P. Nagarjuna, *Assistant Professor*

**Resource Persons:**

The Senior and Eminent speakers from premier institutes like IIT's, NIT's and Industry will deliver the lectures.

**Eligibility Criteria:**

This programme is open to all AICTE approved Engineering college faculty, research scholars, and industry persons. Selection of participants will be on first-cum-first-serve basis.

**Registration Fee & other Information:**

There is no registration fee. The interested participants need to submit the online registration form through the link:

**Registration link:**

- ❖ <https://forms.gle/TV9YK5WZGPPMpakM7>

**Whats App Joining link:**

- ❖ <https://chat.whatsapp.com/DSST4ShfybN7u8hcaH9W3>

**Important Dates**

- **Last date for registration  
26<sup>th</sup> November 2020**
- **Intimation of Selection  
27<sup>th</sup> November 2020**

**Note:** e-certificate will be provided to the participants based on attendance and marks secured in the test conducted at the end of the programme.

**Address for Correspondence**

Dr. D.Srilatha  
Coordinator  
Department of EEE  
VVIT, Namburu,  
Guntur Dist., A.P - 522508



**For any Queries contact**

Mobile: 9502728191, 6303604668  
e-mail: [dandesrilatha.eee@gmail.com](mailto:dandesrilatha.eee@gmail.com),  
[srilatha@vvit.net](mailto:srilatha@vvit.net)



## **VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY (Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

---

### **Department of Electrical and Electronics Engineering** **Report of Faculty Development Programme**

A two weeks faculty development programme was successfully conducted in the Vasireddy Venkatadri Institute of Technology in virtual mode with two phases, phase-I from 2<sup>nd</sup> -14<sup>th</sup> October, 2020 and phase -II from 30<sup>th</sup> November- 12<sup>th</sup> December, 2020 by the department of EEE. The FDP programme received an overwhelming response with 54 participants in phase -I and 48 participants in phase -II from various institutions.

#### **NEED AND MOTIVATION**

Electricity is one of the most important commodity. Life seems impossible without electricity. Power system deals with the generation, transmission, distribution and utilization of electrical energy. Power Electronics deals with the processing and control of electrical power from an electrical source into the form and quality suitable for a particular electrical load. Power System and Power Electronics are very important courses in the curriculum of Electrical Engineering and Electrical & Electronics Engineering. Every Engineer in the area of Electrical Engineering needs to have a detailed exposure to Power system and Power Electronics.

#### **FDP OVERVIEW**

Power electronics is interdisciplinary in nature and is used in a wide variety of applications, such as a cell phone charger, a personal computer, a microwave oven, an MRI system, a hybrid electric car, or even the electrical grid. The importance of power electronics has grown over the years due to several factors. A few of these are the advent of smart power devices and the increasing global concerns about the effects of environmental pollution. Smart power devices are expected to become ubiquitous and revolutionize the way power is handled. Electric vehicle is currently looked upon as a promising solution to curb urban pollution. Also, to avoid the pollution due to setting up of new power generating stations, power electronics has been called upon to ensure better utilization of existing capacity. The integration of power electronics with renewable energy sources such as solar and wind has a vast potential to meet the energy scarcity.

For huge amount of power transaction efficient means like HVDC and FACTS are employed. Power electronics is the heart of these power system technologies.



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  
**(Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

This FDP will expose the participants to the recent developments in both the area of power electronics and power system technologies

**CONTENTS**

With the above stated objectives, an extensive coverage will be provided in this faculty development program on the following aspects:

- Power Converters and Rectifiers
- DC-DC converters
- Inverters
- Simulation of Power Electronic Converters
- Power System Monitoring and Control
- Power System Stability
- Integration of Renewable energy sources

**Objectives:**

The objectives of the proposed FDP are,

1. To introduce the participant with important concepts and methods of control of power electronics.
2. To explore advanced schemes and optimization technologies required to improve the performance of the renewable energy sources utilisation.
3. To design the Power electronic converters for various renewable energy systems.
4. To understand the various national and international standards used in the design of renewable energy systems.
5. To understand the different issues/challenges related to energy storage, and renewable energy sources integration.
6. To implement various optimization algorithms for the performance enhancement of renewable energy systems.

**Expected Outcomes:**

At the end of the FDP, the participants will be able to,

1. Demonstrate the application of important concepts learnt to the operation of individual renewable energy systems, their integrated systems



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  
**(Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, www.vvitguntur.com

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

2. Demonstrate the application of important concepts learnt to the topologies of the individual renewable energy systems, their integrated systems and.
3. Comprehend the advanced optimize the design technologies and controls to reduce size/volume and control techniques to enhance the performance of the power electronic controllers.
4. Apply the national and international standards, while designing the various components of PE with grid.

**FDP (PHSAE-I) Programme Details:**

DATE	SESSION DETAILS	
	Fore noon session (10am-12pm)	Afternoon session (2pm-4pm)
2.11.2020	Inauguration, Key note session by DR.S.SIVA NAGARAJU	Basics of Vector Control in Renewable Energy Applications by Dr. RAJIN M LINUS
3.11.2020	Implementation of Vector control in PMSG Based grid connected wind energy system with simulation by Dr. RAJIN M LINUS	Symmetrical and Asymmetrical Reduced Device Multilevel Inverter Topology by Dr. LALIT KUMAR SAHU
4.11.2020	Multiple Input converters and its applications by Dr. LALIT KUMAR SAHU	Overview of renewable power generation systems and their control by Dr. VARAPRASAD JANAMALA
5.11.2020	Maximum power point tracking of wind & PV system by Dr. RITULA THAKUR	Speed sensor less control of DFIG based Wind Energy System by Dr. D. GIRI BABU
6.11.2020	Grid synchronization techniques for grid-connected power converters by	Role of multi-level high power factor converters in power ad online grid connected RES by

	Dr. NAKKA.JAYARAM	Dr. NAKKA.JAYARAM
<b>7.11.2020</b>	Battery energy storage for solar applications by Dr. JONNALA ROHITH BALAJI	Demand side management in Smart grid environment by Dr.B.LOKESH GUPTA
<b>9.11.2020</b>	PV Simulator demo and MPPT Technique by Dr.MORE RAJU	Grid-tied and off-grid solar systems by Dr.RAVINDRA .K
<b>10.11.2020</b>	Wind turbine generators and their components by Dr.K.SRIKUMAR	Grid integration of wind power by Dr.V.NAGA BHASKAR
<b>11.11.2020</b>	Inverter Technology: Understanding battery inverters and their role in energy storage by Dr.P.MOHANA KISHORE	Introduction to various types of wind turbine generators and their power electronics components. by Dr.V.NAGA BHASKAR
<b>12.11.2020</b>	Variable speed control and its role in improving wind turbine efficiency. by Dr. VARAPRASAD JANAMALA	Hardware demonstration on 1 kW grid-tied solar photovoltaic system by Dr.M.VENKATESWARARAO
<b>13.11.2020</b>	Understanding grid-tied solar systems, their benefits, and the role of grid-tie inverters. by Dr. P. BARANI CHANDRA	Battery energy storage for solar application by Dr. I.SATISH KUMAR
<b>14.11.2020</b>	Yoga & Meditation by MR. JAGADISH CHITTALA	MCQ Test &Valedictory



# VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY (Autonomous)

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

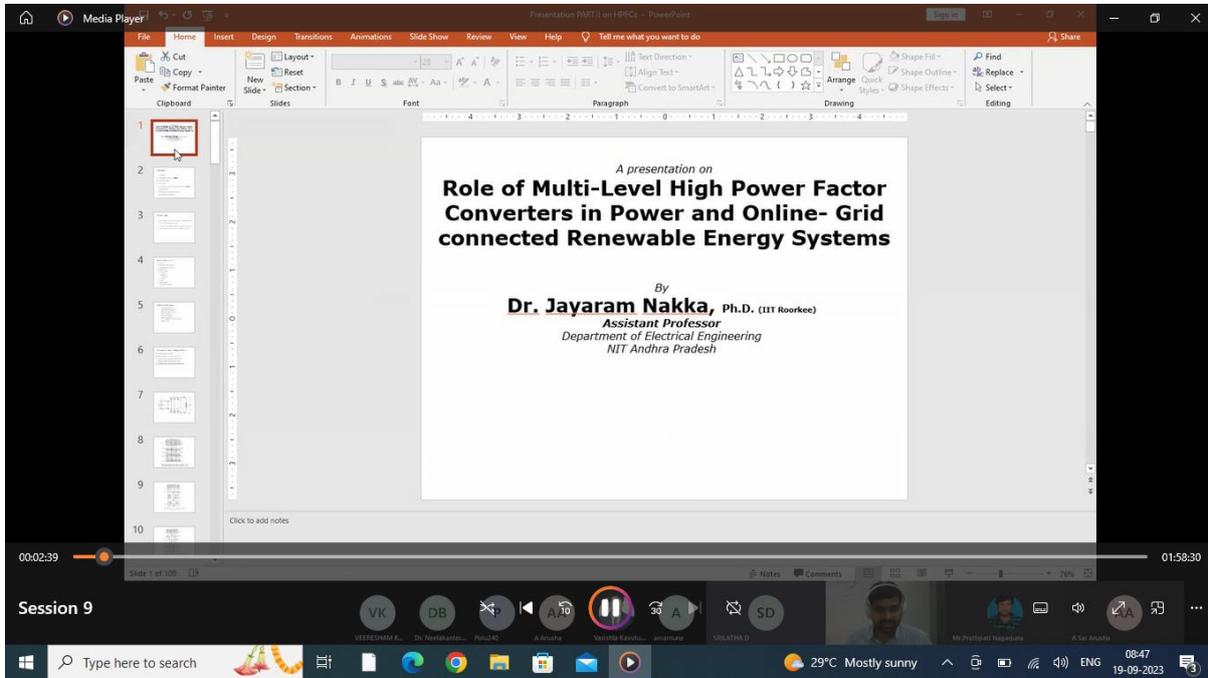


Fig: lecture by Dr. Nakka Jayaram, NIT AP

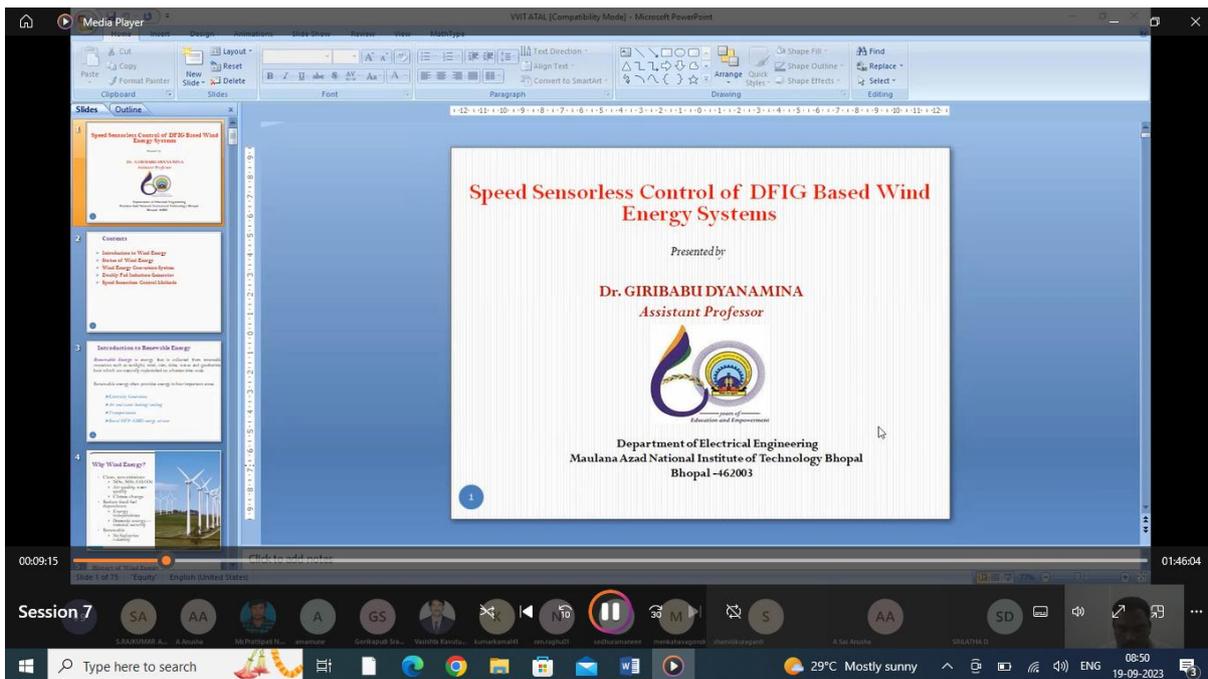


Fig: Lecture by Dr. D.Giri Babu, NIT Bhopal



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY  
(Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, www.vvitguntur.com

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**



Fig: Lecture by Dr. Lalith Kumar Sahu , NIT Raipur

**FDP (PHSAE-II) Programme Details:**

Date	Fore Noon Session (10am-12pm)	After Noon Session (2pm- 4pm)
Day 1 30th November, 2020	Inauguration and Key note session Dr. Anup Kumar Panda NIT Rourkela	Basics of Vector Control in Renewable Energy Applications  Dr.Rajin M Linus Sanjay Godhawat university
Day 2 1 st December, 2020	Simulation of wind power generation Dr.Ritula Thakur NITTTR, Chandigarh	Applications of power electronic converters Dr.Rajin M Linus Sanjay Godhawat university



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  
**(Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Day 3 2 nd December, 2020	Applications of multi-level converters Dr. Venkata Ramana Naik NIT, Rourkela	
Day 4 3 rd December, 2020	Simulation and analysis of grid integrated PV system Dr. Dasthagiri Reddy NIT, Trichy	
Day 5 4 th December, 2020	Role of Power electronics in electrical engineering Dr.O. Chandra shekar NIT Srinagar	Renewable energy sources and applications Dr.Gopala Krishna NIT Rourkela
Day 6 5 th December, 2020	Utilisation of renewable energy sources Dr.V K Harish PDPU, Gandhi Nagar	Control of power electronic converters Dr. M. Bala Subbareddy CBIT,Hyderabad
Day 7 7 th December, 2020	Real time applications of intelligent converters Dr. Prajof SVNIT,Surathkal	Review of PE converter control strategies applied for power system reliable operation  J Venkata Ramanaiah, SVNIT,Surathkal
Day 8 8 th December, 2020	Enhancement of PE converter operation and control Dr. Balaji SVCET,Bhimavaram	
Day 9 9 th December, 2020	Optimal allocation of soft open points for hosting maximum renewable energy  Dr.Varaprasad Janamala Christ University, Bangalore	Maximum power point tracking methods renewable energy generation  Dr.Y.V.Pavan kumar VIT AP



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  
**(Autonomous)**

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated  
to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

Date	Fore Noon Session (10am-12pm)	After Noon Session (2pm- 4pm)
Day 10 10 <sup>th</sup> December, 2020	Role of power electronics in Industries  .Dr.Tousif khan SRM, AP	
Day 11 11 <sup>th</sup> December, 2020	AI techniques for power system operation and control  Dr. Prajof SVNIT, Surathkal	Comparision of MPPT techniques for performance enhancement of RES Dr.Amarendra Mizoram state univ
Day 12 12 <sup>th</sup> December, 2020	Yoga & Meditation  by MR. JAGADISH CHITTALA	MCQ Test &Valedictory



# VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY (Autonomous)

Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

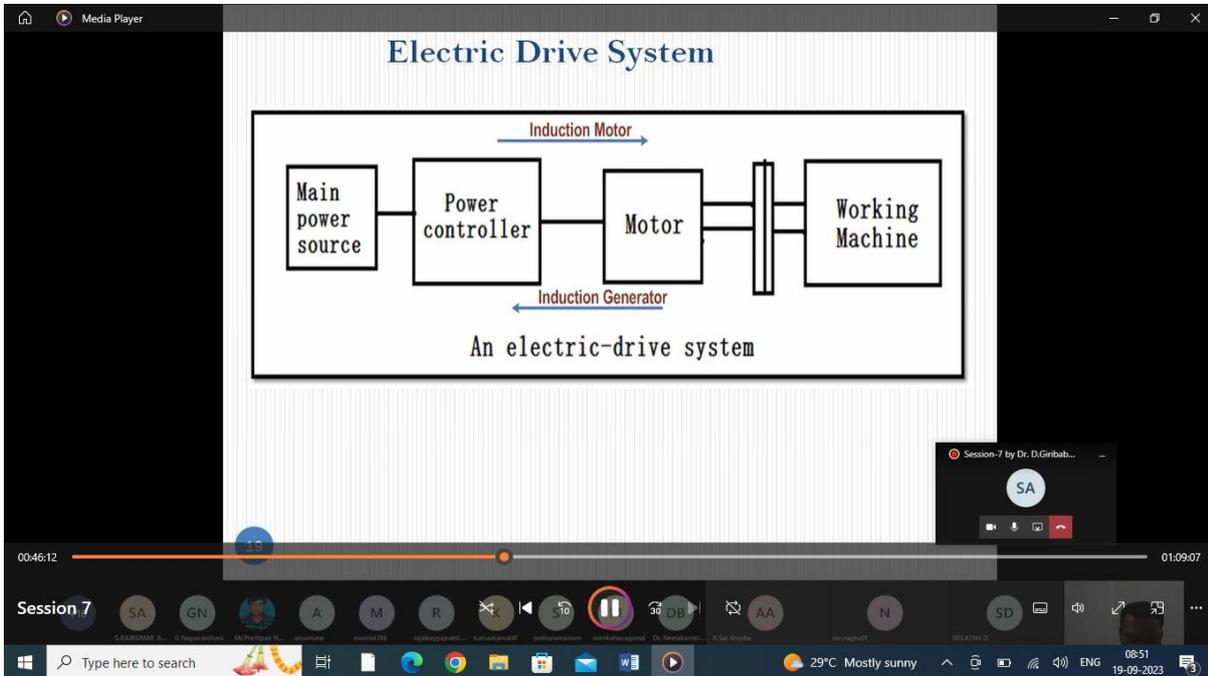


Fig: Lecture by Dr. Dasthagiri Reddy NIT, Trichy

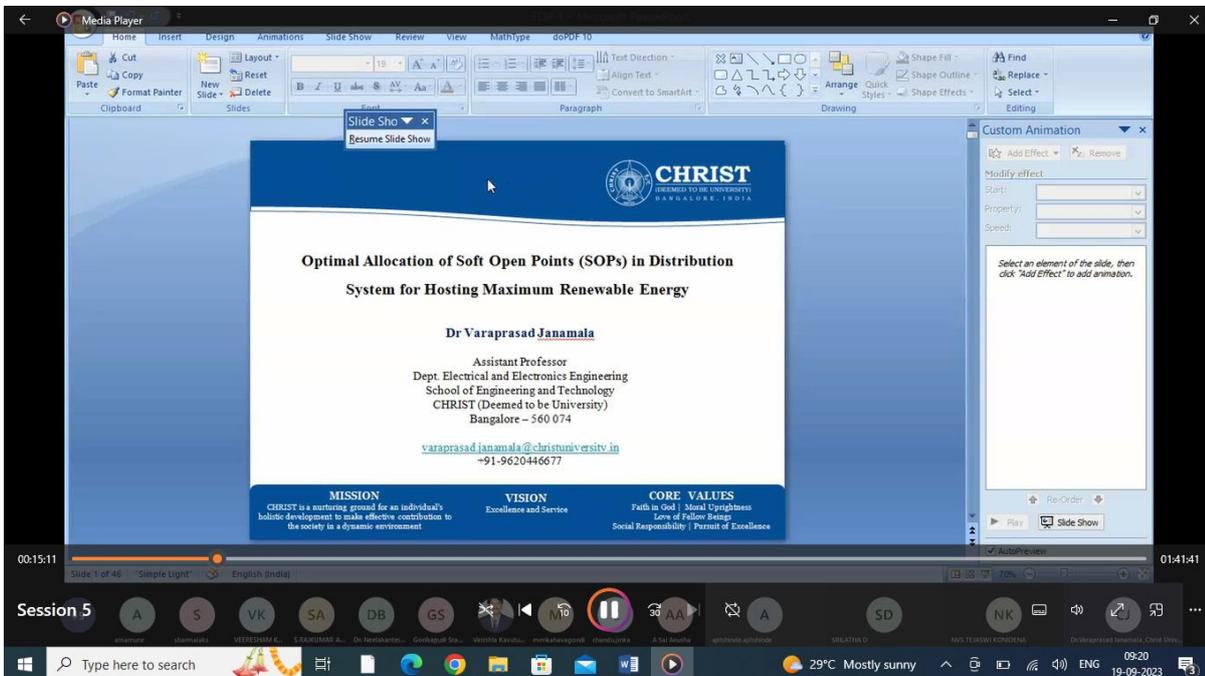


Fig: Lecture by Dr. Varaprasad Janamala Christ University, Bangalore



**VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY**  
**(Autonomous)**

**Accredited by NBA (B.Tech program), Approved by AICTE, Permanently Affiliated to JNTUK, NAAC Accredited with 'A' Grade, ISO 9001:2015 Certified**

Nambur (V), Pedakakani (M), Guntur (Dt.), Andhra Pradesh – 522 508, [www.vvitguntur.com](http://www.vvitguntur.com)

---

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

The following feedback was received from the participants:

1. 84% of the participants felt that the delivery and presentation of the resource person was good.
2. 90% of the participants were of the opinion that the FDP brought practical knowledge of the subject in them.
3. 90% of the participants felt that the FDP was coordinated very well.

Participants felt that such FDP should be arranged regularly.

Prof. D.Srilatha

(Coordinator-FDP)