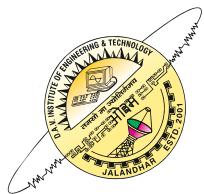




**One week  
AICTE & IKGPTU Sponsored  
Faculty Development Program  
on  
Recent Trends in  
Renewable Energy  
Sources & Technologies  
(25<sup>th</sup> to 29<sup>th</sup> November, 2019)**



**DAVIET**  
ENGINEERING FUTURES  
THROUGH INNOVATION

**Department of Electrical Engineering  
DAV Institute of Engg. & Technology  
(Accredited by NAAC with "A" Grade )  
Kabir Nagar, Jalandhar-144008**

## About the Institution

DAV Institute of Engineering & Technology Jalandhar got established in year 2001 under the aegis of DAV college Managing committee. The institute is approved by AICTE and affiliated to Punjab Technical University, Jalandhar. The institute has a beautiful campus located in the heart of city and spread over an area of about 18 acres. The institute has been ranked as top college of Engineering and awarded the certificate of excellence for exemplary contribution in the field of Higher Education and also ranked 15th amongst the best private engineering colleges of north India by India Today MDRA survey 2019. DAVIET is carrying out original research of significance and technology development at the cutting edge. The Institute not only celebrates freedom of thought, cultivates vision and encourages growth, but also inculcates human values and concern for the environment and the society.

## About the Department

Department of Electrical Engineering started its undergraduate program of in DAVIET with an intake of 60 students in 2002. The post graduate program in Electrical Engineering with an intake of 18 students was introduced in 2011.



## About the Programme

Renewable Energy is the energy extracted from resources which are renewable in nature and cause minimum loss to the environment as compared to the conventional fossil based resources. The renewable energy resources, systems and technologies has



become the major concern nowadays to fulfill the increasing energy demand and growing environmental issues. The availability of suitable and sufficient energy sources, development of environmental friendly utilization technologies and the cost of energy have been extremely important factors that require major thought and hence research. So there is a need to track these changes with updates in advances in technology in this area. The aim of the FDP is to impart research skills and knowledge to the beginners and existing researchers so as to improve the quality of research in the area of thermal energy and about extracting renewable energy. This programme will bring a beneficial change among the faculty members towards research and enable the participants to develop competence in understanding recent advances in renewable energy sources, systems and technologies.

## Programme Highlights

- Overview of Renewable Energy Sources & Technologies
- Micro grids and smart grids
- RES and Distributed Generation
- Power System Operation
- Application of soft computing in RES
- Hardware – in the- loop simulation using Typhoon HIL
- Real time simulations of MPPT boost converter, micro grids, electric vehicles, etc)
- Energy Storage Systems
- Converters topologies and design

## Registration

Registration form in the prescribed format approved/sponsored by competent authority should reach to the Course Coordinator on or before November 15, 2019 with a refundable draft of Rs. 1000 (security) in favour of “Principal DAVIET Jalandhar”. No TA/DA will be paid for attending the FDP.

## Important Dates:

Last Date of registration: 15th Nov. 2019  
Acceptance Notification: 20th Nov. 2019

## Patron

Dr. Manoj Kumar, Principal

## Organizing Chair

Dr. Sudhir Sharma  
(Dean Academics & Head (EE))

## Coordinators

Dr. Chintu Rza (AP, EE)  
Ms. Shivani Mehta (AP, EE)

## Organizing Committee

Mr. Baljit Singh (AP, EE)  
Mr. Sushil Prashar (AP, EE)  
Mr. Kamal Kishore (AP, AS)  
Mr. Rahul Sharma (AP, EE)  
Mr. Inderdeep Singh (AP, EE)  
Mr. Sukhjinder Singh (AP, EE)

## Address for correspondence

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(Assistant Professor, EE)  
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Email ID: ee@davietjal.org

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on  
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(25th Nov. 2019 to 29th Nov, 2019)

Name: .....

Designation: .....

Department: .....

Institution: .....

Address: .....

Email Id: .....

Contact No.: .....

## Signature of the Participant

Prof./Dr/Mr./Mrs.....  
is permitted to attend the FDP for the entire  
duration if selected.

Place:.....

Date: .....

Approving Authority  
(Signature and Seal)