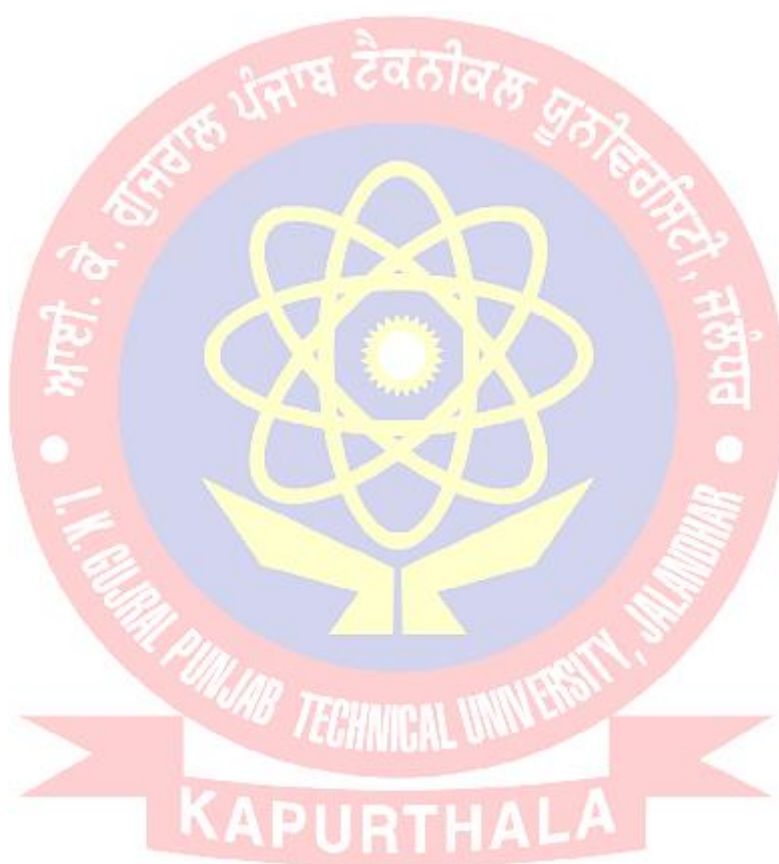
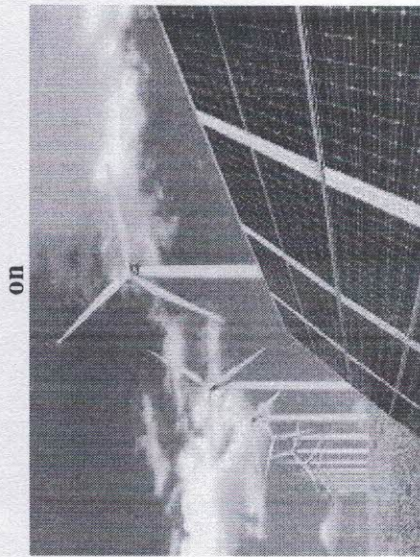


6.3.3

Professional Development / Administrative Training Programmes organized for Teaching and Non-Teaching staff.



AICTE & IKGPTU Sponsored National Level One-week Faculty Development Program



Recent Advancements in Power and Energy Systems (09th - 13th December, 2019)



Organized by
Department of Electrical Engineering
I. K. Gujral Punjab Technical University,
Main Campus Kapurthala, Punjab, India
<https://ptu.ac.in>

INTRODUCTION AND OBJECTIVES

Electric power plays an important role in economic development of any nation. A secure, reliable and economic operation of power systems is very much essential for industrialization. The present trend towards deregulation in power sector is forcing electric utilities to improve their efficiency and reduce cost whereas customers are becoming more sensitive to reliability and power quality. Competitive power market has changed the traditional mission and mandates of power utilities in complex ways that has caused large impacts on environmental, social, and political conditions in several countries worldwide. RES and technologies have tremendous potential to provide solutions to the long-standing energy problems being faced by consumers in all developing countries. This course has been designed to familiarize the researchers and engineers working in the field of competitive power systems and energy operation with the core concepts of economic dispatch, unit commitment and optimal power flow.

COURSE CONTENTS

- ❖ Economic Dispatch of Electric Power System
- ❖ Competitive Power Market/Electricity Market Operation
- ❖ Power System Operation, Economics
- ❖ Grid Integration of RES: Key Issues, Challenges and Solution
- ❖ Steady State Operation of Power System
- ❖ Energy Management, Demand Side Management Distributed Generation
- ❖ Micro Grid, Smart Distribution System
- ❖ Power Flow and OPF and their programming
- ❖ Simulation of Power System
- ❖ Energy Scheduling & Forecasting Techniques
- ❖ Power Trading, Market Regulation and Policies
- ❖ Energy Efficiency and Energy Auditing

METHODOLOGY

The one-week programme will be judiciously utilized by integrating theory classes, laboratory sessions, case studies and audio-visual presentations. Besides the institute faculty, experts will be invited from various esteemed institutions/ R & D organizations. This FDP will also be useful to various energy regulatory bodies, leading power project managers, engineers, production managers, academia, technical managers, plant superintendents, operators and maintenance personnel, and private power consumer companies.

TARGET GROUP

Teachers from recognized engineering colleges/ Institutions; practicing engineers from public/ private organizations with minimum qualification of Bachelor's Degree in any branch of Engineering/ or its equivalent M. Tech. and Ph.D. Research Scholars are eligible for registration. The number of participants is limited and will be selected on first come, first serve basis. The interested participants need to get themselves sponsored from their HOD/Principal/Head of Institution and send their request on prescribed performa to:

Dr Naveen Kumar Sharma, Assistant Professor,
Department of Electrical Engineering, IKGPTU Main
Campus Kapurthala-Jalandhar Highway Kapurthala -
144603, Punjab, India.

Phones: +91-9882281525

Email: dr.naveensharma@ptu.ac.in,
naveen31.sharma@gmail.com

LAST DATE

Last date of receiving applications for participation in this FDP is **November 15th, 2019**.

Information regarding selection will be displayed on institute website or selected candidates may also be informed by email.

Sigandeep

Head

Department of Electrical Engineering
I.K. Gujral Punjab Technical University
Kapurthala-144606

There will be a **No-Registration Fee** any for sponsored participants from academic institutions and industry.

Interested faculty from AICTE recognized Technical Govt. Institutes & Personnel from Industry can apply on line at <http://data.ptu.ac.in/fdpRegn.php> and take print of application form. Seats are limited and applicants will be selected on first come, first serve basis.

No TA/DA will be given to any participant. Suitable arrangements for free boarding and lodging of participants will be made at students' hostel.

ORGANIZING COMMITTEE

Chief Patron

Prof. (Dr) Ajay Kumar Sharma
Vice-Chancellor

Chairman

Prof. (Dr) Yadwinder Singh Brar
Director Main Campus

Co-Chairman

Dr Gagandeep Kaur
Head, EED

Course Coordinators

Dr Yadwinder Singh Brar

Professor. EED

Email: bravadvinder@yahoo.co.in

Mob. No.: +91-9478098013

Dr Naveen Kumar Sharma

Assistant Professor, EED

Email: naveen31.sharma@gmail.com

Mob. No.: +91-9882281525

ABOUT THE DEPARTMENT

The Department of Electrical Engineering offers an undergraduate programme in Electrical Engineering, postgraduate programmes and Ph.D. in various areas of Electrical Engineering. The Department has highly qualified, experienced faculty and well-established laboratories.

IKGPTU MAIN CAMPUS KAPURTHALA

PPTU was established by an Act of State Legislature on 16th January, 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I. K. Gujral Punjab Technical University by State Government in the honor to Late Sh. Inder Kumar Gujral, Former Prime Minister of India.

The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas. The University has undertaken the task of training students to help in the development of skilled manpower in this sector in the country in general and in the state in particular. With this goal in mind, the university is promoting a number of courses in different streams in regular as well as distance education programmes. At present University have 21 AICTE and 65 UGC institutes affiliated with it.

IKGPTU Main campus has a sprawling campus spread over an area of about 78 acres, and is located on the outskirts of Jalandhar at about 20 kms from the bus stand. IKGPTU ranked 96th in 2019 NIRF India Ranking and 3rd in Punjab after IIT Ropar, TIET Patiala. The institute offers 4-year Bachelor Engineering Courses (B.Tech.) in five branches of Engineering, 5-year degree course in Architecture (B.Arch.), M.Tech. and Ph.D. programmes in various specializations.

REGISTRATION FORM

One-week Faculty Development Program
on

**Recent Advancements in Power and
Energy Systems**
(09th - 13th December, 2019)

1. Name of the Candidate.....
Designation:.....
Email:.....
Office Tel No./Mobile No.:.....
2. Name of the Institution and Department:.....
3. Address for Correspondence:.....
.....
.....
.....
.....
4. Educational Qualification:.....
5. Experiences (a) Teaching:.....
(b) Industrial or others:.....
6. Accommodation Assistance Required (Yes/No):.....

Place and Date
Signature of the Candidate
(.....)

I, Dr./Mr./Ms. hereby sponsor
..... to participate
 in the FDP on "Recent Advancements in Power and Energy
 Systems", being held at I.K. Gujral Punjab Technical
 University, Kapurthala, Punjab, India. During the period of
 the entire program He/She would be on the official duty at
 KGPTU Punjab.

Signature with Date & Seal
Sponsoring Authority (HOD/Principal/ Director)

Note: Photocopied/typed Reg./online Form can be used or may be downloaded from institute website.

post

Department of Electrical Engineering
J.K. Gujral Punjab Technical University
Kapurthala-144006



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
DEPARTMENT OF ELECTRICAL ENGINEERING

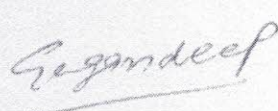
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Dated 30/12/19

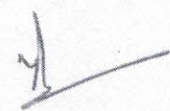
TO WHOM IT MAY CONCERN

This is to certify that **Dr Naveen Kumar Sharma**, Assistant Professor, Department of Electrical Engineering successfully organized an AICTE-IKGPTU sponsored One-week National Level Faculty Development Programme (FDP) on **"Recent Advancements in Power and Energy Systems"** during 09th - 13th December, 2019 as **FDP Coordinator** in the Department of Electrical Engineering at I. K. Gujral Punjab Technical University, Kapurthala.

Under a collaborative scheme, Dr Naveen Kumar Sharma received a financial assistance of total Rs. 3.0 Lakh (Three Lakh Rupees) from AICTE New Delhi and IKGPTU Kapurthala with equal shares. Total 48 participants from different institutes successfully completed the FDP. Being Programme Coordinator, Dr Naveen Kumar Sharma himself conducted 01 session out of 15 session (2 hours each) by delivering expert talk on relevant topic.


Dr Gagandeep Kaur
Associate Professor & Head EE

Head
Department of Electrical Engineering
I.K. Gujral Punjab Technical University
Kapurthala-144006


Dr Yadwinder Singh Brar
Director, Main Campus

Director, Main Campus
IKGPTU, Jalandhar


Head
Department of Electrical Engineering
I.K. Gujral Punjab Technical University
Kapurthala-144006

"Propelling Punjab to a prosperous Knowledge Society"

I.K. Gujral Punjab Technical University

Jalandhar Kapurthala Highway, Kapurthala-144603.

Mobile : 94780-98118 website : www.ntu.ac.in Email : hodes@ntu.ac.in

9

I. K. Gujral Punjab Technical University

Main Campus Kapurthala

Electrical Engineering Department

Faculty Development Program

on

'Recent Advancements in Power and Energy System'

(09th -13th December 2019)

List of Final Participants

Sr. No	Name	Sr. No	Name
1	Dr. Akhil Gupta	25	Dr. Raman Kumar
2	Varun Chauhan	26	Vibhuti
3	Dr. Satish Kansal	27	Prof. Reetipal Singh
4	Simran Arora	28	Harpreet Singh Dhaliwal
5	Sunimerjit Kaur	29	Mandeep Sharma
6	Dr. Digambar Singh	30	Kiranjit Kaur
7	A.G Chandran	31	Archana Singh
8	Abhishek Kumar Sinha	32	Dr. Gurjinder Singh
9	Sheetla Prasad	33	Ameesh Kumar Sharma
10	Sandeep Singh	34	Umesh Sharma
11	Dr. Deepika Bhalla	35	Surjeet Singh
12	Radhika	36	Dr. Gagandeep Kaur
13	Dr. Ashish Sharma	37	Jaspreet Kaur
14	Yogesh Kumar Singh	38	Deven Vatsal
15	Namrata Kad	39	Pawan Kumar
16	Kulraj Kaur	40	Indranil Sarkar
17	Rita Rani	41	Shivam Shrmma
18	Gurpreet Singh	42	Sidakpreet Singh
19	Naveen Dogra	43	Naveen Kumar Sharma
20	Ravneet Kaur	44	Karan Bali
21	Sunny Vaish	45	Shishir Saklani
22	Dr Rajesh Kumar Narula	46	Athar Rashid Lone
23	Dr. Megha Goyal	47	Manisha
24	Dr. Rajpreet Kaur	48	Dr Rakesh Kumar

Gagandeep
Head
Department of Electrical Engineering
I.K. Gujral Punjab Technical University
Kapurthala-144006



AICTE-1KGPTU
One-week Faculty

Recent Advancements
in Energy
(09th - 13th)



Department of
Electrical Engineering
I.K. Gujral Punjab
Technical University
Main Campus

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Electrical Engineering
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Technical University
(Punjab)

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Technical University
(Punjab)

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