



Three Days National Workshop On



“SMART GRID: Renewable Integration, Energy Storage and System Operation for Sustainable Development”

Organized by
Department of Electrical Engineering
Giani Zail Singh Campus College of Engineering &
Technology, Bathinda-151001, India
11-13 February, 2017



ABOUT THE MRSPTU, BATHINDA

Maharaja Ranjit Singh Punjab Technical University, Bathinda is a State Technical University of Punjab established by Govt of Punjab, vide Punjab Act no. 5 of 2015 notified through Punjab Government Gazette-Extraordinary (Regd. No. CHD/0092/2015-2017) notification No. 5- Leg./2015 dated 12th February 2015 and registered with UGC u/s 2(f). With spontaneous upswing in demand for quality Technical Education, burgeoning pressure on the Premier Technical University of Punjab, Punjab Technical University, Kapurthala, to mitigate regional imbalance in distribution of Temples of quality Technical Education in the State, for exponential socio-economic growth of the Malwa region, to bridge the gap between demand and supply of employable technical human resource, exigency for creation of a new State Technical University in Punjab was realized. Consequent on the implementation of this Act, Technical Institutions of Eleven Districts of Punjab have been affiliated to MRSPTU with effect of 1st July. The objectives of this new Technical University at Bathinda are to provide, upgrade and promote Quality Technical Education, Training and Research in Technical Education to create entrepreneurship and a conducive environment for the pursuit of Technical Education in close cooperation with industry. In the pursuit of creating excellence in Teaching, Research and Skill Development, the University has to attain highest standards by following and conforming to norms/standards policies laid down by the All India Council for Technical Education, New Delhi, University Grants Commission, New Delhi. As an outcome of the above endeavors, the University is expected to generate and maintain resources through consultancy services, testing services, Continuing Education Programmes, national and international collaborations, MOU, transfer of intellectual property rights, etc. to promote technical, management and pharmaceutical education in the state at degree level and above.

ABOUT THE COLLEGE

GZS Campus College of Engineering & Technology, a constituent college of Maharaja Ranjit Singh Punjab Technical University, Bathinda is the first institute in Punjab, established by state government in the year 1989 when the hon'ble Governor of Punjab Sh. S. S. Ray laid the foundation stone on 23rd October, 1989. Initially set up as Government Engineering College, it was converted in to an autonomous institute in the year 1992 and a “Board of Governors” (BOG) was constituted to manage the affairs of the College. This college was made a campus of Punjab Technical University in 2011. Now the campus is a constituent college of newly setup Maharaja Ranjit Singh State Technical University, Bathinda and is recognized by All India Council of Technical Education (AICTE) & Council of Architecture. The institute provides an excellent academic environment under the able guidance of well-qualified and highly dedicated faculty and staff. This campus college is running UG & PG courses in six engineering disciplines and UG course in Architecture. The Campus College also runs MCA, MBA, M.Sc. (Physics, Chemistry, and Mathematics). The campus has been granted the QIP centre of AICTE, New Delhi and has awarded 10 scholarships to the Ph.D research scholars per annum w.e.f. 2012. The Campus has been selected for World Bank sponsored Technical Education Quality Improvement TEQIP-II Project” from MHRD, Govt. of India.

ABOUT THE CITY

Bathinda is a city and municipal corporation in Southern part of Punjab. The city is named after the BhatiRajputs family ruled the area. The city is located just 225 KM away in the west of Punjab's capital city Chandigarh. Bathinda is known as city of Lakes. The city is having two thermal Power plants, an oil refinery and national fertilizer plant. It is also one of the largest cotton and food grain markets of India. Bathinda is well connected to the various cities and states of India with train/buses.

ABOUT THE WORKSHOP

Due to increase in energy demand and environmental hazards from the conventional sources of energy, electrical generation from renewable sources is in demand now a day. However continuous and expanded growth of the share of renewable in centralized and decentralized grids requires new approach for grid management “Smart Grids”. This workshop will address the issues of renewable energy integration under smart grid environment. The control, protection and operation issues in smart and micro-grid environment will be discussed. The role of storage, electric vehicle and demand response case studies will be presented by the speakers. The presentation on Real time simulator of OPAL-RT on micro-grid operation will highlight the micro-grid operation. One hand on tutorial session on GAMS optimization software with some case study will also be delivered. This workshop is useful for the entire researcher working in the areas of Smart grid, power system optimization and micro-grid systems.

CHIEF PATRON:

Dr. Mohan Paul Singh Ishar
Vice Chancellor, MRSPTU, Bathinda

PATRON:

Dr. Jasbir Singh Hundal
Registrar, MRSPTU, Bathinda
Dr. Gursharan Singh
Campus Director, GZSCCET,
Bathinda

CHIEF COORDINATOR:

Dr. Jyoti Saxena, Head-EED,
GZSCCET, Bathinda

COORDINATOR:

Dr. Amit Kumar Manocha, Faculty
In-charge, Electrical Engineering,
GZSCCET, Bathinda

SPEAKERS:

Prof Akhtar Kalam, Victoria University, Australia
Prof. Ashwani Kumar, NIT, Kurukshetra, Haryana
Dr. Y. P. Verma, UIET, PU, Chandigarh
Dr. Rohit Bhakar, MNIT, Jaipur, Rajasthan
Dr. Mohammad Rihan, Aligarh Muslim University, Aligarh, U.P.

ADVISORY COMMITTEE

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Dr. N P Padhy, IIT Roorkee
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Dr. Y.S.Brar, Professor, IKGPTU, Jalandhar
Dr. Satish Kansal, BHSBIET, Lehragaga, Punjab
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Dr. Lakhwinder Singh, BBSBEC, Fatehgarh Sahib, Punjab
Dr. Ram Avtar, UIET, Kurukshetra
Dr. Ahteshamul Haque, Jamia Millia Islamia, New Delhi

ORGANIZING COMMITTEE

Dr. Ved Parkash, Assistant Professor, GZSCCET, Bathinda (Secretary)
Er. Shimpy Maheshwari, Assistant Professor, GZSCCET, Bathinda
Er. Daljeet Kaur Assistant Professor, GZSCCET, Bathinda
Er. Vishavdeep Jindal, Assistant Professor, GZSCCET, Bathinda

WHO CAN ATTEND

- Executives, engineers and researchers from manufacturing, service and government organizations including R&D laboratories and Universities
- Students at all levels (M.Tech/PhD) and Faculty from reputed academic institutions

ACCOMODATIONS

The participants may be provided with accommodation at the University Guest Houses/Faculty house/ hostels on payment basis depending on the availability. Request for accommodation has to be sent in advance.

REGISTRATION FEE

Faculty/Industrialist: Rs.500/- ;
Students: Rs. 250/-;

The registration charge to be paid in the form of demand draft favoring “Coordinator, Smart Grid, payable at Bathinda”.

CALL FOR REGISTRATION

Participants willing to attend the workshop are requested to submit the completed registration form with draft by Feb. 05, 2017 to:

Head, Department of Electrical Engg., GZSCCET, Bathinda- 151001, Punjab, India

Contact: +918725072421



National Workshop (11-13 February, 2017)

on

“SMART GRID: Renewable Integration, Energy Storage and System Operation for Sustainable Development”

REGISTRATION FORM

1. Name (Mr./Ms./Dr.)
2. Designation.....
3. Qualification
4. Department.....
5. a) Age b) Sex: M/F
6. Affiliation
7. Address for correspondence
-
8. E-mail:..... Phone/Mobile.....
9. Area(s) of interest
10. Draft No. Amount Bank
11. Accommodation required * (Yes/No).....
 - a) Date and Time of arrival
 - b) Date and Time of departure.....

Date.....

Place

Signature of the Applicant

Forwarding Authority

*The accommodation will be provided on payment basis, subject to availability