

**TARGET AUDIENCE**

The course is open for faculty/students of engineering institutions, practicing engineers/researchers from utility, industry and other organizations.

**SPEAKERS**

The faculty for the course will be drawn from reputed national and international institutions. Tentative list of speakers for this workshop includes:

**Dr. Francisco G-Longatt**, Loughborough University, UK

**Prof. S. N. Singh**, IIT Kanpur

**Dr. J. G. Singh**, AIT Thailand

**Dr. Bharat S. Rajpurohit**, IIT Mandi

**REGISTRATION FEE**

The registration fee will cover course fee, course material, working lunch, refreshments and accommodation (sharing basis at institute hostel) during course period only. Registration fee does not include the travel expenses of the participants.

Student	₹750
Academic / R&D Organization	₹1500
Industry / Utilities	₹3000

**Online:** Use following details for paying registration fee using electronic transfer.

Bank Name: Allahabad Bank  
Branch Name: Mehgawan (IIITDM Campus)  
Account Name: NWSG  
Account Number: 50262766246  
IFSC Code: ALLA0212433

**Offline:** DD drawn in favor of “NWSG” payable at Jabalpur, MP, India.

**IMPORTANT DATES**

Last date of receiving application	March 20 <sup>th</sup> , 2015
Notification and selection (On first come first serve basis)	March 23 <sup>rd</sup> , 2015
Workshop date	March 30-31 <sup>st</sup> , 2015

Note: Selected candidates will be informed by fax / email, if provided.

**JABALPUR AND ITS CLIMATE**

Located in the central part of India, Jabalpur is a city in the Mahakaushal region of the state of Madhya Pradesh. The city attracts tourists from all over the world to visit its Bhedaghat of marble rocks and Dhuandhar fall. This marble rock city is also famous for many other tourist attractions like Tilwaraghat, Madan Mahal Fort, Tripur Sundari Temple, to mention a few. There exist several 10<sup>th</sup> century historical monuments belonging to Kalchuri dynasty in Jabalpur. Wildlife sanctuaries of Kanha, Bandhavgarh and Pench are located within a radius of 200 km around Jabalpur.

**Weather at Jabalpur:** The weather at Jabalpur in March is expected to be pleasant.

**How to reach:**

**Road:** Jabalpur is well connected by road to many metropolitan cities. From Nagpur or Bhopal (~300 km) one can travel by road to Jabalpur in about 5-6 hours. The National Highway #7 run through the city and the National Highway #12 to Jaipur also originates from the city. There are daily bus services from Jabalpur to Nagpur, Jaipur, Gwalior, Bhopal, Indore, Allahabad, Raipur, etc.

**Train:** Jabalpur is on the main railway line of Mumbai-Allahabad-Howrah. All superfast, express and passenger trains halt at Jabalpur station.

**HOW TO APPLY**

**Online:** Fill up the online registration form at the url: <http://goo.gl/forms/J3zbDBK0sw>

**Offline:** The duly filled registration form along with the registration fee should be sent to:

**Dr. Sachin K. Jain / Dr. Prabin Padhy**

PDPM Indian Institute of Information Technology,

Design & Manufacturing Jabalpur

Dumna Airport Road, Post-Khamaria

Jabalpur-482005, MP, INDIA

Phone: 0761-2632664/2632273 (Ext. 127 / 124)

Fax: 0761-2632524

Email: [skjain\[at\]iiitdmj.ac.in](mailto:skjain[at]iiitdmj.ac.in) , [prabin16\[at\]iiitdmj.ac.in](mailto:prabin16[at]iiitdmj.ac.in)

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**National Workshop**

on

**Smart Grid and Renewable Energy Integration****March 30-31, 2015***Coordinator***Dr. Sachin Kumar Jain****Dr. Prabin K. Padhy***Organized By:*

**PDPM Indian Institute of Information  
Technology, Design & Manufacturing Jabalpur  
Jabalpur- 482005, MP, India**

**Tel: 0761-2632273 Website: [www.iiitdmj.ac.in](http://www.iiitdmj.ac.in)**

## INTRODUCTION

The challenges and opportunities for electricity networks are increasing day by day. With environmental concerns and depleting fossil fuel reserves, renewable energy has gained lot of importance in the recent. Integration of intermittent and highly variable renewable generation is imposing many practical challenges to the power professionals. There exists general consensus that climate change, system security, and significant volumes of decentralized and renewable energy requires that the network infrastructure must be upgraded to enable smart operation.

The reliable and sophisticated solutions to the foreseen issues of the future networks are creating dynamically-intelligent application/solutions to be deployed during the incremental process of building the smarter grid.

The future electricity networks and its potential issues require looking beyond the existing research frontiers irrespective of the disciplinary boundaries. For this reason, the discussion of the future development on sophisticated/intelligent applications/solutions is the key research point to provide the critical importance to economic and social welfare into future smarter networks. The solutions using the advanced technologies/methodologies will be discussed. Several technical studies based on the recent research work will also be presented.

## SCOPE OF THE COURSE

Present workshop's objective is to enhance the knowledge of the participants in the area of the "Smart Grid and Renewable Energy Integration". A unique, national level opportunity which delves into the high-level, strategic issues relating to the integration of renewable energy and examines practical strategies that energy generators, project developers and grid operators can implement to overcome obstacles posed by local planning schemes and regulations, and, importantly, *how this can be done in a intelligent, cost-efficient and timely way*. The workshop will provide a platform to an in-depth discussion on the various challenges and their possible remedies which will benefit participants from academic and R&D institutions, engineers of utilities and policy makers.

Successful implementation of Smart Grid calls for diversified technologies and expertise from various disciplines. A workshop with focus on researches such as the one proposed will enrich the technological repertoire of the research community in the country. As the leading researchers from the country are being invited, the workshop is expected to result in a well-defined road-map for the development and deployment of Smart Grid in India.

## ABOUT IIITDM Jabalpur

PDPM IIITDM Jabalpur, an educational institute born for innovation in design and engineering, has been established by Ministry of Human Resource Development (MHRD), Government of India. The Institute puts a lot of emphasis on crossdisciplinary education and imparting hands-on experience to its students. The Vision of the Institute is to become a Global Center of Excellence in engineering and design education and research by building itself as an Enterprise of Knowledge. The Mission of the Institute is to create a multidisciplinary academic environment to prepare and train manpower of excellence for nurturing and promoting knowledge-based activities and innovations. Please visit [www.iiitdmj.ac.in](http://www.iiitdmj.ac.in) to know more about the Institute.

**Vision:** Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur, one of the premier technical Institutes of the country, established by Ministry of Human Resource Development (MHRD), Government of India, shall be a Global Center of Excellence in engineering education and research by building itself as an Enterprise of Knowledge. The academic community including students, shaped with the unique creativity based on fundamental strong multidisciplinary academic skills, the capacity for a bold innovative thinking involving positive change and an integrity of character, grounded in an active and resolutely pioneering spirit, shall be indulged in meaningful innovations based on a knowledge-based engineering approach.

## REGISTRATION FORM

National Workshop On  
**Smart Grid and Renewable Energy Integration**  
March 30-31, 2015

Name \_\_\_\_\_

Date of birth \_\_\_\_\_ Designation \_\_\_\_\_

Organization \_\_\_\_\_

Address for correspondence \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

### Payment details:

Draft No. \_\_\_\_\_ Issuing bank \_\_\_\_\_

Amount \_\_\_\_\_ Drawn on \_\_\_\_\_

Date \_\_\_\_\_

Signature of applicant  
\_\_\_\_\_

Online registration facility is also available at the link:  
<http://goo.gl/forms/J3zbDBK0sw>

\* Make photocopies of registration form if required