PROGRAM OBJECTIVE:

The Smart Grid is confluence of information, communications & electrical technologies for efficient grid operations. Smart Generation, Smart Transmission and Smart Distribution will create a new roadmap for conventional power grid and in smart grid vision, a collection of existing and emerging technologies works together to achieve energy efficiency, automation and financial benefits. The objective of this FDP is to introduce about the smart grid technologies and infrastructure for deployment of resilient and efficient energy systems. This FDP will be beneficial for participants to understand the control and operational strategies of decentralized architecture of smart grid.

FOLLOWING TOPICS WILL BE COVERED BY EXPERTS:

- Smart Grid Overview
- Smart Grid Architecture & Design
- Smart Grid Measurement Technology
- Smart Grid Communication Technology
- IT Enablers for Smart Grid Technology
- Smart Analytics
- Smart Grid Decision Support & operational technology
- New technology Integration
- Smart Grid Standards and Protocols
- Interoperability and associated standard
WHO CAN PARTICIPATE:

Faculty and Research Scholar’s from institutions across the country of relevant disciplines. Priority will be given to faculty from RGPV affiliated institutions. Batch Size is limited to maximum 100 participants.

ELIGIBLE DISCIPLINES:

Electrical, Electrical & Electronics, Electronics, Electronic & Communication Engineering, Computer Science & Engineering, Information Technology and relevant branches.

REGISTRATION:

Registration Link:

http://teqip.rgpv.ac.in/Events/EventOpenRegistration.aspx?Event_ID=OWDCAP%2bkVbY%3d

CERTIFICATION:

Certificates will be issued subject to the participants qualifying the following conditions:

- Minimum 80% attendance.
- Minimum 60% marks in the exam conducted on last day of the program.

ABOUT THE HOST INSTITUTE:

Vidhyapeeth group of Institutions (VGI) was established in 2009, which is promoted by Maa Saraswati Education Society under the patronage of Suhane Group who are the owner of Hi-tech Security printers and News paper. VGI learning is characterized by a systematic methodology integrated with a team of dynamic faculties. The institute is approved by AICTE and NCTE and affiliated to RGPV and BU Bhopal.

Currently VGI offers B.Tech. in 5 Branches (ME,CE,CSE,EX,EC), M.Tech. in 2 Branches (VLSI & Embedded System Design, Thermal) and Diploma in 2 Branches (ME, EE). Apart from these courses VGI also offers B.Ed., B.B.A. and B.Com.

Exposing the young Minds to the world of engineering and education, VGI provides the right platform & ambience to inculcate professional traits and aspirations in the budding students. Besides, the
Institute sustains the development of all facts of minds cumulating in an intellectual and balanced personality. With its focus on academic excellence and discipline VGI excels in academic, Placements, Co-curricular activities by winning many awards and University ranks.

PROGRAM CO-ORDINATOR

Prof Arvind Gupta,
Dean, VIST Bhopal
Mobile No. 9981999370,
Email: info@vidhyapeethbhopal.ac.in
vist.fdp@gmail.com

PROGRAM CO-ORDINATOR

Prof Swati Gupta, VIST, Bhopal
Mob: 9907218485
Prof Arun Patel, VIST, Bhopal
Mob: 9039122636
Prof, Amit Vishwakarma
Mob: 9340917829
Five Days Online Faculty Development Program (FDP) under TEQIP-III
On
“Smart Grid : The Technology Roadmap”
(22nd February to 26th February 2021))
Organized By
Rajiv Gandhi Proudyogiki Vishwavidyalaya,M.P.(State Technological University of Madhya Pradesh)
[Accredited with Grade ‘A’ by NAAC]
Host Institution
Vidhyapeeth Institute of Science and Technology, Bhopal –M.P.
Session Schedule
Inauguration Ceremony is scheduled on 22.02.2021 between 10:30 AM to 11:00 AM

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>11:00 AM to 12:30 AM</th>
<th>03:00 PM to 04:30 PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.02.2021</td>
<td></td>
<td>Session 1</td>
<td>Session 2</td>
</tr>
<tr>
<td>Monday</td>
<td></td>
<td>Smart Grid Overview</td>
<td>Smart Grid Architecture &amp; Design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr Ankush Sharma, IIT Kanpur</td>
<td>Dr Ankush Sharma, IIT Kanpur</td>
</tr>
<tr>
<td>23.02.2021</td>
<td></td>
<td>Session 3</td>
<td>Session 4</td>
</tr>
<tr>
<td>Tuesday</td>
<td></td>
<td>Smart Grid Measurement Technology</td>
<td>Smart Grid Communication Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr Ankush Sharma, IIT Kanpur</td>
<td>Dr Ankush Sharma, IIT Kanpur</td>
</tr>
<tr>
<td>24.02.2021</td>
<td></td>
<td>Session 5</td>
<td>Session 6</td>
</tr>
<tr>
<td>Wednesday</td>
<td></td>
<td>IT Enablers for Smart Grid Technology</td>
<td>Smart Analytics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr Amey Karkare, IIT Kanpur</td>
<td>Dr Amey Karkare, IIT Kanpur</td>
</tr>
<tr>
<td>25.02.2021</td>
<td></td>
<td>Session 7</td>
<td>Session 8</td>
</tr>
<tr>
<td>Thursday</td>
<td></td>
<td>Smart Grid Decision Support &amp; operational technology</td>
<td>New technology Integration</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr Ankush Sharma, IIT Kanpur</td>
<td>Dr Amey Karkare, IIT Kanpur</td>
</tr>
<tr>
<td>26.02.2021</td>
<td></td>
<td>Session 9</td>
<td>Session 10</td>
</tr>
<tr>
<td>Friday</td>
<td></td>
<td>Smart Grid Standards and Protocols</td>
<td>Interoperability and associated standard</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr Amey Karkare, IIT Kanpur</td>
<td>Dr Amey Karkare, IIT Kanpur</td>
</tr>
</tbody>
</table>

Valedictory Ceremony and Feedback Session after Session 10 on 26.02.2021