

About VNIT, Nagpur:

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty one National Institutes of Technology in the country. It was established as Regional Engineering College in 1960. The Govt. of India conferred on the Institute, the Deemed to be University status with effect from 26th June 2002. Subsequently, the Central Govt. by National Institutes of Technology Act, 2007 (29 of 2007) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15th August 2007. It is located in the heart of Nagpur city on sprawling campus of 214 acres. It is recognized as pace setting institute for other educational institutions in the region. The institute offers 9 UG and 24 PG courses apart from Ph D programs in the area of Engineering, Architecture and Science.

About Electrical Engineering Department, VNIT, Nagpur:

The department was established in 1960 with a UG programme in Electrical Engineering. The postgraduate programme in 'Integrated Power System' was started in 1968. Later, another postgraduate program in 'Power Electronics and Drives' was introduced in 2010. The Department is recognized as QIP Centre for M. Tech and Ph. D. programs. Faculty members of the department carry out research work in the area of power electronics and drives, renewable energy systems, power quality, power systems, control system etc.



Patron

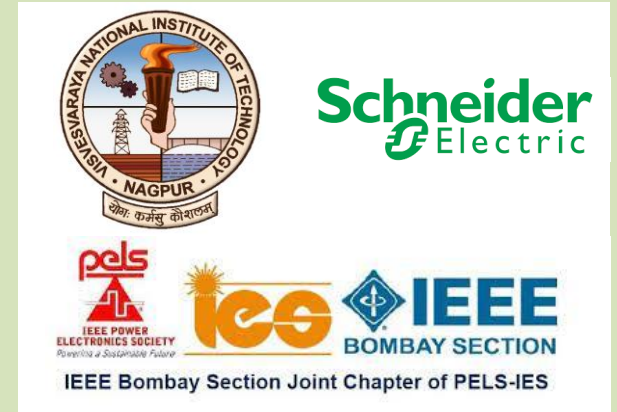
Dr. Pramod. M. Padole
Director, VNIT, Nagpur

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**Five-Day Online
Faculty Development Program**
on
**Augmented Reality Supported
Industrial Internet of Things (IIoT)
for Electrical Drive Systems**
(31st January to 04th February, 2022)

**Sponsored by
Schneider Electric
&
IEEE Bombay Section**

**Coordinators
Dr. Mohan V. Aware
Dr. Ramsha Karampuri**

**Organized by
Department of Electrical Engineering
Visvesvaraya National Institute of
Technology, Nagpur, India-440010**

Course Overview:

The aim of the FDP is to provide basic understanding of Industry 4.0 realized by Industrial Internet of Things (IIoT) which brings together critical assets, advanced predictive and prescriptive analytics, and how is it changing the way industries operate. In addition, the advanced knowledge about the IIoT communication technologies / protocols, networking, next generation sensors and the details of cyber physical systems will be discussed thoroughly by the subject experts from Industry and Academia. A physical IIoT based electrical drive system will be demonstrated followed by the hands-on session in online-mode. This gives the real-time experience to the participants about the applicability of Augmented Reality in implementing an IIoT based drive system for Industry 4.0.

Course Content:

- Introduction to Industry 4.0
- Industrial Internet of Things (IIoT)
- IIoT Communication and Networking
- Cyber Physical Systems and Next Generation Sensors
- Analytics and Data Management
- Augmented Reality applied to IIoT
- EcoStruxure platform (from Schneider) for implementing IIoT
- Remote monitoring of the Machine using Augmented Reality Technology
- Remote control of the machines using handheld mobiles

Note: Maximum number of participants is limited to 50 only. Selection will be made on first-cum-first-serve basis.

Who Can Participate?

- Faculty from academic institution interested in developing laboratories for distance learning using the augmented reality concepts.
- Industrial professional working on Industry 4.0 and wish to share and learn in the area.
- Student from academic institution interested in research on Industrial Internet of Things and to know current research trends in the area.

Faculty for the Course:

Experts from IITs, NITs, IIST and industries will deliver theory and practical sessions during the course.

Registration Fee:

For Faculty and Industry persons – Rs. 1000/- + 18% GST.

For Students (with valid ID card) – Rs. 500/- + 18% GST.

Payment should be made through “SBI Collect” (Instructions attached in a separate sheet).

How to Register:

Fill this form, get signed, scan and upload the Registration Form along with the payment receipt before the last date using the link given below:

<https://forms.gle/i9WmT59PosCTsP557>

Or scan the QR code to submit registration form



Last date for registration: 25 Jan. 2022



Five-Day Online Faculty Development Program on

Augmented Reality Supported Industrial Internet of Things (IIoT) for Electrical Drive Systems

(31st January to 04th February, 2022)

Electrical Engineering Department, VNIT,
Nagpur, M.S., India

REGISTRATION FORM

Name:

Designation:

Institute:

Address for Correspondence:
.....
.....

Mob. No:

Email:

Signature of Applicant

Seal & Signature of
Sponsoring Authority

Dear Participant,

Steps for Online payment of participation fee for Five-Day Online Faculty Development Program on Augmented Reality Supported Industrial Internet of Things (IIoT) for Electrical Drive Systems at VNIT Nagpur. Last Date of Fee Payment is 25.01.2022.

1. Please open the <https://www.onlinesbi.com/sbicollect/> in your browser. If clicking the link doesn't work, copy the link and paste into the browser.
2. At the bottom of page, click the **Check Box** and then click **Proceed** button for the payment.
3. Enter: State of Corporate / Institution: **Maharashtra**
4. Enter: Type of Corporate / Institution: **Educational Institutions**
5. Hit **Go**
6. Enter: Educational Institutions Name: **Visvesvaraya National Institute of Technology**
7. Press **Submit**
8. Select Payment Category: **OTHER MISC. FINES & PAYMENTS**
9. Enter the **Payer Name**: (Your Name)
10. Select any **Payer Identification Type** from the Drop Down Menu
11. Fill the **ID Number** for the Identification Type that you have selected.
12. Fill **Mobile Number and Email ID**.
13. Please select Reason for Payment: **Workshop/Seminar Conference Fee**
14. Please enter the registration fee and payable amount as: **Rs. 1180/- (Including GST)**
(This amount will be **Rs. 590/- for Student Participants**. Valid Student ID Proof will be required along with Payment Confirmation Receipt)
15. Please enter Remarks: **.....Five-Day FDP on IIoT.....**
16. Again enter **Name, DOB, Mobile number, Email ID** and the **text** as shown in the image.
17. Click **Submit** button to continue.
18. **Verify** the details and Click **Confirm** button to continue.
19. You will be directed to a payment gateway where you can choose from a range of options.
20. After making the payment, you will get a confirmation page and an SMS on the mobile number provided above.
21. Note down **SBCollect Reference Number** on the confirmation page.
22. Download the Receipt of your Payment
23. Enter the SBI Collect Reference Number and upload SBI Collect Payment Receipt through the registration link <https://forms.gle/i9WmT59PosCTsP557>. (Student Participants must upload a valid College ID-proof)

GSTIN of VNIT (If required): 27AAATV9885C1ZZ