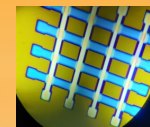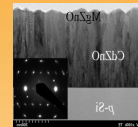# AI and IoT in Nanoelectronics, Agriculture and Communication in the Unravelling of Aatmanirbhar Bharat

Department of Electrical Engineering
Indian Institute of Technology Indore

March 7-12, 2022

Course Overview

This course will help teachers to gain an understanding of the fundamental concepts in nanotechnology for next-generation applications in electronics, photonics, memory technologies, biochemical sensors, agriculture, solar cells, energy storage and converters. The core program will include thematic lectures and tutorials; gain experience on design of experiments, material growth, characterizations and device/system fabrication and system packaging and integration. We have a strong track record of success in teaching, learning and research-led activities to help prepare attendees to gain new insights from applied and fundamental scientific knowledge to translational research and the opportunity to expand on their transferable skills through knowledge transfer / future research collaboration. This FDP is in line with various GoI initiatives such as Make in India, NITI Aayog, Aatmanirbhar Bharat, Digital India so on and so forth.

Eminent Speakers

Prof. Anurag Kumar
Director, IISc

Prof. Nita Khandekar
Director, ICAR-IISR

Prof. T. K. Bhattacharyya
IIT Kharagpur

Dr. Prachi Kaul
Director, SICI

Shri. S. K. Varshney
DST

Prof. Vimal Bhatia
IIT Indore

Prof. Ram Bilas Pachori
IIT Indore

Prof. Swaroop Ganguly
IIT Bombay

Prof. Rajendra Machavaram
IIT Kharagpur

Prof. S.S.K. Iyer
IIT Kanpur

Prof. Pallabi Mukherjee
IPS Academy

Prof. Kali Charan Modak
IPS Academy

Prof. Mahesh Kumar
IIT Jodhpur

Dr. Arpan Pal
TCS Research

Prof. Vivek Kanhangad
IIT Indore

Prof. Mayank Shrivastava
IISc

Prof. Mukesh Kumar
IIT Indore

Prof. Shaibal Mukherjee
IIT Indore

Course Fees

No registration fee for faculty participants from AICTE approved colleges and institutes.

Participants from non-AICTE institutes

- Rs. 7,000* (for industry personnel)
- Rs. 5,000* (for faculty / scientist)
- Rs. 2,000* (for student)

*inclusive of service tax

Mode of Payment

For Online Payment
https://forms.eduqfix.com/indoreiit/add?formType=9263526567614218

Bank Transfer
Beneficiary Name: Registrar IIT Indore
Bank Name: Canara bank
Branch: IIT Indore, Khandwa Road, Simrol, Indore
Account number: 1476101027440
IFS Code: CNRB0006223
SWIFT Code/BIC: CNRBINBBISG

REGISTRATION PROCESS

Click on the link below for online registration:-

https://forms.gle/Dp996b95waWp5bSr9

SCAN ME

Note:

✓ Registration in the course should be completed by **March 2, 2022**.

✓ Notification of acceptance of registration will be sent via email by **March 4, 2022**.

Course Registration

- ❖ Number of seats are limited.
- ❖ Online link will be provided for the registered participants prior to the FDP.
- ❖ All relevant queries should be directed through e-mail to: shaibal@iiti.ac.in

Test and Certificate

An ONLINE TEST will be conducted at the end of the program. E-certificates shall be issued to only those participants who have secured minimum attendance of 80% and obtained minimum 60% marks in the Online Test.

Course Coordinator

Dr. Shaibal Mukherjee
Associate Professor,
Department of Electrical Engineering &
Centre for Advanced Electronics (CAE),
Indian Institute of Technology Indore,
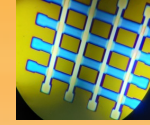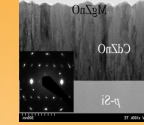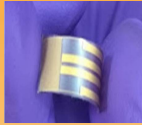Madhya Pradesh 453552, India
Website: http://people.iiti.ac.in/~shaibal/index.php
Email: shaibal@iiti.ac.in
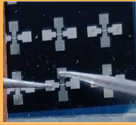
Certificate of AICTE Recognition

Certified that (Name of College/Institute) ……………………………………………… as well as the Academic Department to which Mr./Ms./Dr./Prof. ………………………………………… Designation……………………… Department ……………………………………………. belongs are recognized by the AICTE.

Signature

Head of the Department

OFFICE SEAL