## REGISTRATION FORM

**ONE WEEK**
**FACULTY DEVELOPMENT PROGRAMME**
**ON**
**ADVANCES IN MICROELECTRONICS AND PLASMA DIAGNOSTICS (AMPD-2016)**
**AUGUST 29 - SEPTEMBER 2, 2016**

**Funded By: Technical Education Quality Improvement Programme (TEQIP-II)**

**Supported By: IEEE EDS Delhi Chapter**

1. Name :( in CAPITAL)_____
2. Date of Birth:_____
3. Designation:_____
4. Organization/Institution:_____
_____
5. Institution AICTE/UGC Approved? _____
6. Qualification: _____
7. Area of Research:_____
8. Experience (in Years): Teaching:____; Industry:____; Research:____
9. Mobile:_____ E-mail:_____
10. Mailing Address:_____
_____
11. Accommodation Required: Yes/No

**DECLARATION**

**The above information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.**

**Date:** **Signature of applicant**
**Place:**

**Head of the Institution/Organization with seal**

## PATRON

**PROF. YOGESH SINGH, HON'BLE VICE CHANCELLOR, DTU**

## CHAIRMAN

**PROF. S.C.SHARMA, HEAD, DEPARTMENT OF APPLIED PHYSICS, DTU**

## COURSE COORDINATOR

**DR. RISHU CHAUJAR, DEPARTMENT OF APPLIED PHYSICS, DTU**

## CO-COORDINATOR

**DR. RINKU SHARMA, DEPARTMENT OF APPLIED PHYSICS, DTU**

## MAIL THE REGISTRATION FORM TO:

**COORDINATOR, FDP- AMPD2016**
**DEPARTMENT OF APPLIED PHYSICS**
**DELHI TECHNOLOGICAL UNIVERSITY**
**(FORMERLY DELHI COLLEGE OF ENGINEERING)**
**BAWANA ROAD, DELHI- 110042**
**EMAIL: fdpampd2016@gmail.com**
**TEL NO: +91-9811385965, +91-9999608799**

## ORGANIZING COMMITTEE

| | |
|---|---|
| Dr. A.S. Rao | Dr. Kamal Kishor |
| Mr.Vinod Singh | Dr .Neha Tyagi |
| Dr. M.S. Mehata | Dr. Saurabh Srivastava |
| Dr. Pawan K.Tyagi | Dr. Anjana Gupta, AM |
| Dr. Yogita Kalra | Dr. M.M. Tripathi, EE |
| Dr. Amrish Panwar | Dr. Richa Srivastava, AC |
| Dr. Ajeet Kumar | Dr. Ruchika Malhotra, SE |
| Dr. Nitin K. Puri | Dr. Priyanka Jain, ECE |

## IMPORTANT DATES

- ***Last Date for Registration:*** *AUG 18, 2016.*
- ***Intimation of Acceptance:*** *AUG 23, 2016*

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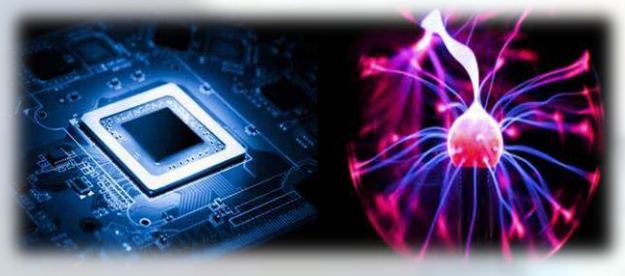

## ORGANIZED BY:

**DEPARTMENT OF APPLIED PHYSICS**
**DELHI TECHNOLOGICAL UNIVERSITY**
**(FORMERLY DELHI COLLEGE OF ENGINEERING)**
**BAWANA ROAD, DELHI – 110042**
**WEBSITE: www.dtu.ac.in**

## Delhi Technological University

Delhi Technological University (DTU) was established in 1941 as Delhi polytechnic by then Govt. of India and became Delhi College of Engineering (DCE) in 1965. In 2009 Delhi college of engineering became DTU vide Delhi act no. 6 of 2009 by govt. of NCT of Delhi. Erstwhile DCE which is now DTU is the mother institution of IITD, SPA, College of Pharmacy and College of Arts. University has illustrious past and has been regularly featuring among top ten technical Institutions of India including IITs.

DTU offers 15 UG courses, 22 PG courses, and Ph.D. programme in various disciplines of science and engineering.

## About The Department

Applied Physics Department of Delhi Technological University is providing cutting edge research, innovation and education in the emerging areas of Science and Technology. The department offers B.Tech in Engineering Physics, M.Tech in Nano Science and Technology; Nuclear Science and Engineering; and Microwave and Optical Communication Engineering jointly with ECE Department.

Department also offers Ph.D in thrust areas of research, namely Thin Films and Material Sciences, Plasma Physics, Nanotechnology, Dusty Plasma/Strongly Coupled Dusty Plasma, THz Radiation/Emission, Short Pulse Lasers, Fiber Optics and Optical Communication, Microelectronics & Semiconductor Devices Modeling and Simulation, Synthesis of Carbon Nanotubes and Graphenes, Solar Cells Modeling, Solid & Molecular Spectroscopy, Lithium ion Batteries, Intense Laser interaction with atoms and molecules, luminescent materials etc. Also, Department has collaboration with leading R&D organizations, namely DRDO, NPL, IITD, IUAC, DU, LASTEC etc.

## About TEQIP-II

TEQIP- II (Technical Education Quality Improvement Programme) is a World Bank funded project aimed at improving the technical education of the country and uplifting the research quality. It helps to fund innovative projects in the academic institutions and improving faculty skills.

## Course Objective

The motivation of this course is to enrich the knowledge in the field of recent advances in microelectronics and its applications. Alongside, this course highlights on various issues, challenges and applications related to Plasma and its processing.

## Course Content

- Research Perspectives on Advanced Microelectronic Devices
- Quantum Modeling in Multi-Gate MOSFETs and future quantum devices
- Micro/Nano Drug Delivery Devices
- Advances in Micro/Nano Structures and its Application.
- Nucleation and growth of nanostructures.
- Plasma Dynamics
- Laser driven electron acceleration (LBWA &LWFA) and charged particle acceleration.
- Efficiency enhancement of high power microwave devices.
- Electrostatic and Electromagnetic waves as wigglers.
- Tokamak and ITER (International Thermonuclear Experimental Reactor) Machine.
- Rocket plasma propulsion /plasma thruster.

## Resource Persons

Eminent faculties of IITs/IIITD/DU and other experts from reputed industries and research organizations.

## Eligibility to Attend FDP

The Programme is open to the faculty members of AICTE/UGC approved Engineering Institution/ Universities /R&D Labs and research scholars working in the area of Microelectronics and Plasma Physics.

## Accommodation and Travel Allowance

Accommodation is limited and will be made available at DTU guest house/hostels on prior request in writing on payment basis. As per TEQIP-II guidelines, the participant will not be paid TA/DA. However, working lunch/tea/snacks will be provided during the course.

## Registration and Selection Process

Mail the registration form duly approved by competent authority to the Course Coordinator (fdpampd2016@gmail.com) on or before August 18, 2016. Bring the original registration form at the time of commencement of the course. There is no registration fee for participants.

The selection is on first come first basis depending upon the availability of the seats. The selected candidates will be informed by Email on August 23, 2016. List of selected participants will be displayed on August 24, 2016 on the University website http://www.dtu.ac.in