



TEQIP III SPONSORED STTP ON Introduction to EM Spectrum Management (MARCH 12-16, 2018)

Department of Electronics and Communication Engineering
Visvesvaraya National Institute of Technology, Nagpur-440010

The Department of Electronics & Communication Engineering at Visvesvaraya National Institute of Technology, Nagpur is organizing a five days Short Term Training Program on “**Introduction to EM Spectrum Management**” dated on March 12 -16, 2018 under TEQIP III.

The aim of this STTP is to introduce the area of EM spectrum management. Experts in the field will cover current state of the art and challenges in the field. The main emphasis will be on new vistas for research in this area. There will be field visit(s), demo of measurement equipment and some simulation exercises/demos as part of the course.

The intended audience is PG and PhD students with adequate background in electro magnetic spectrum usage, faculty members from engineering colleges, officers from various government organisations and private telecom operators.

WORKSHOP OVERVIEW

The following topics will be covered in detail

- **Fundamentals of radio wave propagation,**
- **Radio Regulations, Role of ITU in Spectrum Management; National Frequency Plans;**
- **Economic Aspects of Spectrum Management, spectrum Auction etc;**
- **Spectrum Monitoring and Inspection**
- **Measures of Spectrum Utilization and Utilization Efficiency**
- **Whitespace and dynamic spectrum management, Cognitive Radio/SDR;**

FACULTY/RESOURCE PERSONS

It is envisaged that the program will consist lectures of 01 to 02 hour duration in each of the above mentioned topics by various experts and eminent academicians from reputed institutions.

The following is the tentative list of faculty/resource persons for the workshop:

Dr. Ashok Chandra,
Former Wireless Adviser to the Gol
Dr. S.M. Sharma
Former Joint Wireless Adviser to the Gol
Mr. V.K. Pant
Former Deputy Wireless Adviser to the Gol
Mr. Ajay Singhal
Senior Deputy Wireless Adviser to the Gol
Dr. PSM Tripathi
Deputy Wireless Adviser to the Gol
Prof. Abhay Gandhi, Dr. Ashwin Kothari, Dr. Joydeep Sengupta, Dr. Prabhat Sharma from VNIT

IMPORTANT DATES

- Program Dates: March 12 -16, 2018
- Registration Deadline: March 9, 2018

REGISTRATION FEE: NIL

TRAVEL/ACCOMMODATION EXPENSES

To be borne by the respective TEQIP Institution of the participant(s). Limited accommodation available at VNIT guest house.

APPLICATION PROCEDURE

See the instructions in registration form.

Please note that the number of participants for the workshop is limited. Registration is on first-come-first-served basis. Participants are requested to check the list displayed on the website before proceeding to attend the program.

COURSE COORDINATOR

Prof. Abhay Gandhi

ECE-013

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