

**One Week TEQIP Sponsored  
Short Term Course  
on  
Recent Trends in Microwave  
Engineering  
(12-16 February 2018)**



**Patron**

Prof. G. S. Tomar  
Director, THDC-IHET

**Coordinator**

Mahesh Kumar Aghwariya  
Assistant Professor, ECE

**Co-coordinator**

Anoopshi Johari  
Assistant Professor, ECE

**ORGANISED BY**

Department of Electronics and Communication Engineering  
THDC Institute of Hydropower Engineering and Technology  
B. Puram, Tehri, Uttarakhand, 249124  
Website: [www.thdcihet.com](http://www.thdcihet.com)

**Organizing Committee**

**Patron**

Prof. G.S.Tomar                      Director, THDC-IHET

**Coordinator**

Mahesh Kr Aghwariya              Assistant. Professor, ECE

**Co-coordinator**

Anoopshi Johari                      Assistant Professor, ECE

**TEQIP Coordinator**

Banit Negi                              Assistant Professor, CSE

**Organizing Committee**

Vivek Kumar                          Assistant Professor, CSE  
P. S. Pandey                          Assistant Professor, ECE  
Praful Ranjan                          Assistant Professor, ECE  
Ginne Rani                              Assistant Professor, ECE  
Mandeep Guleria                      Assistant Professor, EE  
Sandeep Gotam                          Assistant Professor, ECE

**Advisory Committee**

Jyoti Praksh Semwal                      HOD, CE Dept.  
Vikrant Kumar                              HOD, EE Dept.  
Preeti Joshi                                  HOD, CSE Dept.  
Himanshu Nautiyal                          Assistant Professor, ME  
Nitin Kumar Gupta                          Assistant Professor, EE  
Ashish Joshi                                  Assistant Professor, CSE

**Registration Form**

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SHORT TERM COURSE  
ON  
RECENT TRENDS IN  
MICROWAVES ENGINEERING  
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Name - .....

Designation .....

Organization /College/University .....

Correspondence address: .....

.....

.....

.....

Mobile. No .....

E-mail .....

Qualifications .....

Teaching/Research Exp.(years):.....

Accommodation Requirement:      Yes/No

Date :-

**Signature of the Applicant**

**Signature of Head of Department/Institute**

## Registration Fees

This course is fully sponsored by TEQIP-III, so there is no registration fees for the participants. Selected outstation candidate will be paid train/bus fare in economy class through shortest route as per the institutes norms. Free lodging and boarding will be provided by the institute on sharing basis in institutes's hostels/hotels.

Last date of receiving registration form is 10th February 2018.

### Contact :

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- Anoopshi Johari  
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### Route to THDC-IHET



## Course Content

- Designing of Microstrip Antenna
- Microwave Amplifier & Oscillator
- Computational Electromagnetics
- Millimeter Wave Circuits
- Designing Based on Metamaterials.
- Microwave Imaging
- Nano Photonics
- Numerical method in Electromagnetic.
- Microstrip Array Antenna
- Beam Forming Networks
- Radar Signal Processing.
- Radio Frequency Identification
- Smart Antenna Designing
- FD-TD Techniques
- MIMO / MEMS Technique

## Eligibility for Participants

Teaching faculty from Academic Institution/University/Technical College/ Research Organization across India

## About the institute

THDC Institute of Hydropower Engineering and Technology, came into existence owing to the need of workforce in the field of Hydropower. Established in 2011, THDC-IHET is a brainchild of THDC-IL and Uttarakhand Technical University. The Institute is committed to provide quality education to the young brains who want to cater their future in the field of technology. The institute also aims to ascertain quality and cutting edge research in all the major areas of technology with special focus to Hydropower Engineering. Currently the institute is providing Undergraduate course of Btech in Computer Science Engineering, Electronics and Communication Engineering, Civil engineering, Mechanical Engineering and Electrical Engineering. As of now two batches have graduated from the institute and are seeking success in their endeavours.

## Objectives of the Course

The domain of Microwave Engineering is very vast. The more we explore, the more we discover its importance in our everyday life. The main objective of this course is to provide opportunity to discussing and presenting the recent trends in the field of Microwave and Wireless Engineering. A special emphasis is also given to the new and emerging fields of Microwave and Wireless Engineering.