

A TEQIP-III Short Term Course

On

Advanced Techniques for Next Generation Networks with Focused on 5G, IoT and Aerially Controlled HETNETs

16th December 2018 – 20th December 2018



STC Coordinators

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About Shri Mata Vaishno Devi University, Katra

Shri Mata Vaishno Devi University is a state university on 470-acre campus located near Katra, Jammu & Kashmir. It is situated near the shrine of the Mata Vaishno Devi, after which it is named. The university is fully residential and provides technical education in the field of engineering,

science, management, philosophy and other subjects of contemporary importance, with all technical courses recognized by AICTE, CIC and COA. It is located at a distance of 45 km from Jammu Airport and 14 km short of the holy town of Katra, the university is situated on a plateau surrounded by mountains on three sides in the foothills of the Trikuta Range where the shrine of Mata Vaishno Devi is located.

About the STC

The aim of STC is to introduce the recent and next generation global trends in Networking Technologies to the participants. The course develops a basic understanding of the diverse set of technological tools, resources used to communicate, create, disseminate, store, and manage information. The course emphasizes to build a workable knowledge of all the technology used to handle telecommunications, broadcast media, intelligent building management systems, audiovisual processing, transmission systems, network-based control and monitoring functions. A wide variety of basic networking technology primitives will be discussed along with recent developments in some advanced topics like 5G and beyond, IoT, NFV, SDN, MU-MIMO, and aerially controlled HETNETs.

Resource Persons

Resource persons will be from reputed institutions (IIT, NITs, IIITs)/ industries only.

Course contents are (but not limited to)

5G & beyond, IoTs in WSN, MANET & WMN, Aerially Controlled HETNETs & Small Cell, NFV & SDN, Green Communications & Energy Efficiency, Ad hoc, Vehicular & Actuator Networks, WBAN, WLAN, WPAN WMAN, Cryptography & Network Security, MIMO, MU-MIMO, Hands-on Practice on QualNet, NS-2, etc.

Objective of the STC

The objective of STC is to provide an exposure to the faculty members/research scholars/PG students in the field of “Advanced Techniques for Next Generation Networks with Focused on 5G, IoT and Aerially Controlled HETNETs” to enhance their knowledge in the domain.

How to Apply

Applicants should apply on online Google form in the prescribed format. Last date for application is 30th November 2018. Lodging and boarding for the outstation participants will be provided at guesthouse/hostel (For Non-TEQIP-III participants, it will be on Payment basis). There is ₹ 500/- registration fee for Non-TEQIP-III participants in form of DD in Favour of I/c Head Dept/School of Electronics & Communication Engineering payable at Katra. Online registration link for STC is:

[https://docs.google.com/forms/d/1XjG12vLf4gGKLE9Dy_ewoC2VGOh4xRHPDzkFleg9Kso/edit](https://docs.google.com/forms/d/1XjG12vLf4gGKL E9Dy_ewoC2VGOh4xRHPDzkFleg9Kso/edit)

Important Dates

Last date for receipt of applications: 30th November 2018

Intimation to selected candidates: 5th December 2018