National Institute of Technology, Uttarakhand is located in the hilly terrain of Srinagar, Pauri Garhwal, Uttarakhand. NIT Uttarakhand was established in 2009 under the Act of Parliament of India by the Ministry of Human Resource Development and designated with the status of “Institute of National Importance”. The institute has made a rapid growth in the recent past in terms of starting new academic programs and development of laboratories and infrastructure.

Department of Civil Engineering established in the year 2014 intends to be the propagator of development and research in the field of Civil Engineering. Taking advantage of its geographical location, the institute plans to build a systematic and sustainable model for hills development and rehabilitation. The department offers four-year undergraduate program in Civil Engineering and postgraduate courses in Structural Engineering and Transportation Engineering along with Ph. D. degree program.

SPEAKERS

- Senior Persons from Industry (CPWD/PWD/NBCC)
- Subject experts from reputed organizations (IITs/NITs/CBRI)
INTRODUCTION

Natural hazards in Hilly region are rapt owing to its geological setting, tectonic activity, lithology, topography and anthropogenic activities. The most frequent natural hazards include earthquakes, landslides, subsidence, rock falls, cloud bursts, flash floods, causing immense loss of lives and property. Therefore, the inherently jointed rock mass, ubiquitous low strength geological ground and mentioned triggering factors in the Hilly region presents a challenge to design safe and stable habitation in the region along with infrastructure development.

Infrastructure development is an essential ingredient of any national development policy. Hilly regions in the country have always been partially supported for mainstream development. The constraints on part of natural environment as well as lesser technical expertise have restricted the development activities. Also, with the vision for developed tomorrow many projects like strong road and railway network, Char Dham highway project in uttarakhand and housing for all etc. are being proposed.

The aim of this course is to discuss the various construction challenges along with its potential solution to confirm the various infrastructure developments in the hilly region.

COVERAGE

- Construction challenges and its potential solutions
- Testing of concrete and road materials
- Analysis and Design of Road and Building for Hilly Regions
- Introduction of Related Software
- Case studies

WHO MAY PARTICIPATE

- Engineers from Civil Engineering Background
- Scientists from research and development (R&D) organizations
- Government officers
- Students and Faculty members from engineering colleges
- Practicing engineers and design consultants

REGISTRATION FEES

<table>
<thead>
<tr>
<th>Delegates</th>
<th>Fees</th>
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</thead>
<tbody>
<tr>
<td>Faculty, Engineers and consultants</td>
<td>2500/-</td>
</tr>
<tr>
<td>Students</td>
<td>1000/-</td>
</tr>
</tbody>
</table>

No fee for the students of TEQIP funded institutions.

Note: Registration fee (non-refundable) includes registration kit, course certificate, tea and lunch.

No TA/DA will be provided to the participants.

ACCOMMODATION

Limited accommodation is available in the institute hostel. Rooms will be made available on nominal payment basis and the availability as per the institute norms. Accommodation can also be arranged in nearby hotels on special request on prior intimation and payment basis.

For online payment the NIT Bank account details are given.

| A/C Name | National Institute of Technology
|----------|--------------------------------------------------|
| Bank Name | SBI, Srinagar-Garhwal
| A/C No.   | 37530566069
| IFSC Code | SBIN0003181

Authorized Signatory
With Seal

(TEQIP-III
One Week Short Term Course
on
“Construction Challenges v/s Infrastructure Development”
in Hilly Region
(09th – 13th September, 2019)

Name: ___________________________
Designation & Official Address: ___________________________
Highest Academic Qualification: ___________________________
Accommodation Required: Yes/No
Registration Fee Details:
Payment mode: Online/Cash
Transaction ID: __________________ Bank Name: __________________
Amount: __________________
Address for Correspondence: __________________________________
Pin: _______________
Mobile Number: __________________
Email: __________________
Signature of Applicant: __________________________

(TEQIP registration form/Fee should be submit/reach on or before 30th Aug 2019.)