

**TEQIP-III Sponsored**

**Five Day Short Term Training  
Programme**

**On  
Design and Evaluation of  
Flexible Pavements**

**December 03-07, 2018**



**Coordinators**

**Dr. Sita Rami Reddy, (VNIT)  
Dr. Raghuram Kadali, (VNIT)  
Dr. Rajeev Jain, (SATI)**

**Call for participation**



**Organized by**

**Civil Engineering Department  
Visvesvaraya National Institute of Technology,  
Nagpur-440010, Maharashtra, India.  
<http://www.vnit.ac.in>**

**About the Institute**

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty one National Institutes of Technology in the country. The Govt. of India conferred on the Institute, the Deemed to be University status (under University Grants Commission Act, 1956 (3 of 1956)) with effect from 26<sup>th</sup> June 2002. Subsequently, the Central Govt. by Act of Parliament (National Institutes of Technology Act, 2007 (29 of 2007)) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15<sup>th</sup> August 2007.



Earlier, the Institute was known as Visvesvaraya Regional College of Engineering (VRCE). It was established in the year 1960 under the scheme sponsored by Govt. of India and Govt. of Maharashtra. The college was started in June 1960 by amalgamating the State Govt. Engineering College functioning at Nagpur since July 1956. In the meeting held in October 1962, the Governing Board of the College resolved to name it after the eminent engineer, planner, and statesman of the country Sir M.Visvesvaraya. The Institute is well connected within 5-8 kms to Airport/ Railways and Central Bus station.

**About the Department**

The Department of Civil Engineering is one of the finest and oldest engineering departments of the Institute and stands with an immortal reputation. The department was formed along with the Institute itself and therefore is as old. The Department has highly educated and well experienced faculty members who endeavor to produce the finest engineers, contributing incredibly to the nation. The alumni of the department are widespread in India and abroad, occupying high positions in their respective fields. It has an intake of 92 students per year under UG Course and 60 per year under PG Courses. The Department also offers Ph.D. for aspiring researchers.

**About Nagpur**

Nagpur is the winter capital and the third largest city in the Maharashtra state and largest city of central India. It is a major commercial and political centre of the Vidarbha region of Maharashtra. Nagpur is known for Deekshabhoomi, the largest hollow stupa among all Buddhist stupas in the world. Here Dr. B. R. Ambedkar along with nearly 500,000 followers converted to Buddhism. This was one of the first mass religious conversions in the history of India. It is famous for the Nagpur orange and is known as “Orange City” for being a major trade centre of oranges cultivated in the region. Nagpur is also called the “Tiger Capital of India” as it connects many tiger reserves in India to the world. It is among the important cities for the information technology sector in Maharashtra. Nagpur is located in the centre of the country with the Zero Mile marker indicating the geographical centre of India. VNIT is located on South Ambazari Road of Nagpur between Abhyankar Nagar and Ambazari Dam. One can reach the campus by rail, road and air. The VNIT campus is just 6.5 km from the railway station.

## Introduction

One important aspect in pavement design is material characterization. In recent times, due to updation in IRC-codes, the techniques for pavement design has undergone tremendous changes. Also, introduction of new materials with superior quality for design as well as construction of different layers in flexible pavements have further added to the complexity. Hence, in depth understanding about the material characterization, pavement analysis & design have become essential.

## Course Objectives

The main objective of this training program is to provide insights into the updated IRC-codes of flexible pavement design and the various evaluation techniques for flexible pavement. After completion of the program the participants gain the knowledge on the characterization of material and various design & evaluation methods of flexible pavements.

## Course Contents

The broad outline of the course is as follows:

- Introduction to pavement materials,
- Choice of subgrade materials, sub-base and base Course layers in highway construction,
- Bituminous mix design,
- Analysis of stresses in flexible pavements,
- Different design factors for flexible pavements,
- Design and construction of flexible pavements,
- Failures and evaluation of pavements
- Introduction to HDM-4

## Registration Fee

There is **no registration fee** for the course. For out station participants, suitable furnished accommodation (twin sharing) may be arranged in institute guest house on payment basis and based on availability during the said period. The participants should make their own travel arrangements. The registration form duly filled with institution seal should be sent by email/post to the organizers latest by 19<sup>th</sup> November 2018. The number of participants for the programme is limited to 30 on first come first serve basis.

## Resource Persons

Apart from the coordinators, faculties from reputed institutes like **IITs, NITs** and **Research organizations** are likely to deliver their expert lectures and hands-on training.

## Important Dates

The completed registration form may be sent either as an e-mail attachment to **sttpcivil.vnit@gmail.com** and as a hard copy (registration form duly filled) on or **before November 19, 2018**. The registration form should contain the signature of the Head of the Institution/organization with seal. Selected applicants will be communicated by an email.

## Contacts

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On

## Design and Evaluation of Flexible Pavements

December 03-07, 2018

Name: \_\_\_\_\_

Gender (M/F): \_\_\_\_\_ Age: \_\_\_\_\_

Category: (Faculty/Field Engineers/PG/PhD student)

College/organization: \_\_\_\_\_

Qualification: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

Phone: (O) \_\_\_\_\_ (R) \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Accommodation required: Yes/No \_\_\_\_\_

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature of Participant

Signature of Head of the  
institution/company/department with  
Seal