

## REGISTRATION FORM

*AICTE-NEQIP  
INTERNATIONAL TRAINING COURSE*

ON

**GEOSYNTHETICS AND THEIR  
APPLICATIONS IN ROAD CONSTRUCTION  
AND SLOPE STABILIZATION**

**16 December 2016**

*(Filled- in application should reach by 9 December, 2016)\**

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

Designation: \_\_\_\_\_

Organisation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Ph. (Office): \_\_\_\_\_ Mobile: \_\_\_\_\_

E-Mail: \_\_\_\_\_

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

Professional Experience: \_\_\_\_\_

Area of Interest: \_\_\_\_\_

Purpose of Joining the Course: \_\_\_\_\_

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

Date: \_\_\_\_\_ Signature of Applicant

\* by post to Course Coordinator / by email to  
ukrdas@gmail.com / by WhatsApp to: +91 81340 22852

## ACCOMMODATION

Participants have to make their own arrangements for stay during the course period.

## VENUE

Seminar Hall, Department of Civil Engineering, Tezpur University

## SCHEDULE

Friday, 16 December 2016

## PATRON

**Prof. Mihir Kanti Chaudhuri**  
Vice-Chancellor, Tezpur University

## INTERNATIONAL COURSE FACULTY

**Dr. Sanjay Kumar Shukla**  
Editor-in-Chief, International Journal of Geosynthetics  
and Ground Engineering  
Associate Professor and Program Leader  
Discipline of Civil and Environmental Engineering  
School of Engineering, Edith Cowan University  
Joondalup, Perth, WA 6027, Australia  
**Email:** [s.shukla@ecu.edu.au](mailto:s.shukla@ecu.edu.au);  
[sanjaykshukla1@gmail.com](mailto:sanjaykshukla1@gmail.com)

## COURSE COORDINATOR

**Dr. Utpal Kumar Das**  
Associate Professor and HoD  
Department of Civil Engineering, Tezpur University  
Tezpur-784028, Assam, India  
Tel: +91 3712 275952  
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Email: [ukrdas@gmail.com](mailto:ukrdas@gmail.com) / [hodcivil@tezu.ernet.in](mailto:hodcivil@tezu.ernet.in)

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**Dr. Utpal Kumar Das**

ORGANISED BY



**DEPARTMENT OF CIVIL ENGINEERING  
TEZPUR UNIVERSITY  
TEZPUR-784028, ASSAM, INDIA**

## ABOUT TEZPUR UNIVERSITY

Tezpur University was established by an Act of Parliament in 1994. The objectives of this Central University as envisaged in the statutes are that it shall strive to offer employment oriented and interdisciplinary courses to meet the local and regional aspirations and the development needs of the state of Assam and also offer courses and promote research in areas which are of special and direct relevance to the region and in emerging areas in Science and Technology.

## ABOUT THE DEPARTMENT

The Department of Civil Engineering of the Tezpur University was established in the year 2009 under the School of Engineering with a B. Tech programme. PhD programme was initiated in winter, 2010. The department is going to start M. Tech programme in Civil Engineering from August 2017. The educational and research programme of the department aims to enable its graduates to become leaders in their professional careers, to pursue excellence in research, and to serve the profession, community and nation, and to be competitive in the international scene.

## OVERVIEW OF THE COURSE

Development and use of polymeric materials in the form of geosynthetics as a new class of construction materials have revolutionized the infrastructure and the environmental protection works in the construction industry during the past three to four decades. Geosynthetics are available in a wide range of compositions appropriate to different applications and environments. The engineers have increasingly grown interest in geosynthetics and their correct use because the geosynthetics often provide efficient, cost-effective, environment-friendly and/or energy-efficient solutions to several problems. Rational design methods, based on sound concepts and standardised test techniques for determining the technical properties of geosynthetics, are now available, thus placing the geosynthetics on a firm base.

Geosynthetics are effectively used in construction of unpaved and paved roads, and stabilising natural and man-made slopes. Many successful case studies have been reported until recent past. The practicing civil engineers therefore require an exposure to the geosynthetics and their applications in road construction and slope stabilisation.

## COURSE OBJECTIVES

Upon completion of the course, the participants will be able to:

- Differentiate between types of geosynthetics and the primary and secondary functions they perform in various civil engineering applications.
- Select the geosynthetics for their appropriate and cost-effective use in construction of unpaved and paved roads.
- Select the geosynthetics for their appropriate and cost-effective use in stabilising the natural and man-made slopes.
- Recommend the type of test on geosynthetics required for their applications in road construction and slope stabilization.
- Develop the general guidelines for geosynthetic installation in road construction and slope stabilization.
- Locate the additional references on geosynthetics and their applications.

## COURSE PARTICIPANTS

- Teachers of engineering and polytechnic colleges
- Civil engineers and specialised contractors dealing with design, construction and/or maintenance works.
- Researchers and engineering scientists
- Students of Engineering Colleges

## COURSE CONTENTS

- Description of geosynthetics and basic functions
- Properties of geosynthetics, their evaluation and selection
- Use of geosynthetics in construction of unpaved roads
- Use of geosynthetics in construction of paved roads
- Use of geosynthetics in slope stabilization
- General application guidelines
- Installation survivability requirements Case studies

## REGISTRATION FEES

- Rs 2000/- per participant for engineers and specialised contractors
- Rs 1000/- per participant for teachers, researchers and engineering scientists

## MODE OF PAYMENT

The course fee is payable in cash or by bank draft drawn in favour of “Registrar, Tezpur University”, payable at Tezpur University Branch, on or before 16 December 2016. The course fee includes participation in training, course material as presented, tea-coffee and lunch. This does not cover the accommodation, travel etc.

Participants from institutes covered under AICTE-NEQIP are exempted from registration fee.

## CONTACT

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**Associate Professor and HoD**  
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