

REGISTRATION

- Faculty members having basic degree in Civil Engineering are eligible to apply.
- Registration is free for all faculty members from colleges under TEQIP-III
- Registration fee is **Rs. 500/-** for faculty members from non-TEQIP mapped colleges
- Last date of registration: **30th June, 2019**
- To register please open the link- <https://forms.gle/krmNUYnXtT2XvgBB9>

OR

Scan the QR code



- Bring the Original DD and the copy of the Google form signed by Head of the Institution on the day of registration

DD In favour of “**Assam Science and Technology University**”

NEFT Account number: **33768271543**
Account Name: Assam Science and Technology University
IFSC Code: SBIN0010670
SBI, AEC Branch



TEQIP-III

SPONSORED

5-DAY FDP ON RECENT ADVANCES IN CONCRETE TECHNOLOGY

15th-19th July, 2019

Venue: Assam Engineering College
Guwahati-13

ORGANIZED BY-

ASSAM SCIENCE AND TECHNOLOGY
UNIVERSITY

&

DEPARTMENT OF CIVIL ENGINEERING,
ASSAM ENGINEERING COLLEGE



Advisory Committee:

1. Prof. (Dr.) Dhiraj Bora, Vice-chancellor, ASTU
2. Dr. Atul Bora, Principal, Assam Engineering College
3. Dr. Nripen Das, Registrar & TEQIP-Coodinator, ASTU
4. Prof. A.K. Baruwa, Academic Consultant, ASTU
5. Prof. Palash Jyoti Hazarika, HoD, Civil Engineering Dept., AEC
6. Dr. B.R. Phukan, Academic Registrar, ASTU

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ABOUT THE COURSE

The course would highlight the different aspects of modern concrete technology that has evolved as a result of rapid developments in mechanized construction, use of mineral and chemical admixtures in concrete. Practicing of concreting in more challenging environments, better understanding of the material properties of concrete, emphasis on durability are the major issues in the field of construction. Examples of special concretes and construction methods would be addressed to illustrate the scientific principles involved therein and their engineering treatment. A brief discussion on maintenance of concrete structures, including non-destructive testing, evaluation criteria, repair and rehabilitation will also be included for completeness.

COURSE CONTENTS

- Recent trends in concrete technology
- Applications, issues and other important aspects of concrete technology in industry
- Workability, Strength and durability of Concrete
- Role of materials like cement, plasticizers, super plasticizers, fly ash, GGBS, silica fume in concrete technology.
- Quality control in construction industry, Use of NDT
- Critical discussion on concrete mix with new guidelines
- Use of nano technology in concrete.

All the resource persons are from IITs, NITs, institutes of national importance and prominent industries. All of them are specialized in the field of concrete technology.

ABOUT THE DEPARTMENT

Being the first department of Assam Engineering College, Civil Engineering department currently offers undergraduate, postgraduate and doctoral programmes. Its flagship undergraduate programme attracts the cream of students of the state and outside. It offers two M.Tech programs viz. Geotechnical Engineering and Water Resources Engineering. The Department has been offering Doctoral degree in various fields of civil engineering since 1993.

ABOUT ASSAM SCIENCE AND TECHNOLOGY UNIVERSITY

The Assam Science and Technology University (ASTU) is the university established by Government of Assam under Assam Science & Technology University Act 2009 to provide education and research in science & technology and other professional courses in Assam. ASTU now has 23 affiliated colleges / institutions, conducting undergraduate programmes in engineering, science, management and pharmaceutical sciences. The University also conducts an inhouse post-graduate course in Energy Engineering.