

### About The Institute

Kasegaon Education Society's, Rajarambapu Institute of Technology has been established in 1983 with a mission to create techno excellent citizen through academic excellence. R.I.T. is situated in Sakharale, which is 2 km away from Islampur city and 4 km away from Pune-Bangalore Highway(NH4), is spread over an area of 16 hectares of picturesque beauty. It boasts of extending the best learning & training facility in this part of India.

Within a span of two decades the Institute has developed excellent infrastructure facility and a conducive atmosphere for the student and staff to convert thoughts and ideas into reality through experimentation and scale new heights in the field of technical education.

- An 'A' Grade Institute declared by State Government
- The first un-aided Institute in University area having got accredited its programmes from NBA set up by AICTE, New Delhi.
- Selected as a Network Institution in the first phase of TEQIP, MHRD, New Delhi.
- Programmes accredited by the Institute of Engineers (India), Kolkata.
- ISO 9001-2000 Certified Institute

The institute presently offers seven UG and seven PG courses in various engineering discipline

### About Civil Engineering Department

- Establishment – 1983.
- Department is accredited for 5 years by NBA, AICTE, New Delhi
- Degrees offered –
  - Bachelor of Civil Engineering
  - Master of Engg. (Civil-Structures)
  - Master of Engg. (Construction & Management)
- Intake – UG : 60, PG: 18 each
- Highly qualified Faculty
- Well established Laboratories with sophisticated Instruments
- Department offers Consultancy and Testing Services to Various Organizations such as PWD, Irrigation, Private Construction Companies, Municipal Corporations, Sugar Factories etc.
- 100% placement for jobs in well-known organizations – Infosys, Sobha developers, Fresynet, Magarpatta, VSL Indai, Mahindra Auto etc.
- Track record of 100% Results for final year.
- Maximum numbers of student get selected for competitive examinations such as GATE, TOFELL, GRE etc.

### ORGANISING COMMITTEE

#### # CONVENORS

- Dr. Mrs S. S. Kulkarni ,Principal
- Prof. M.T.Telsang (Dean, Academic)
- Dr. P.S.Patil, (TEQIP, Coordinator)

#### # HEAD OF CIVIL ENGG DEPT

- Prof. H.S.Jadhav (M) 9970700893

#### # COURSE COORDINATOR

- Prof.P.D.Kumbhar, (M) 9970700887  
[popat.kumbhar@ritindia.edu](mailto:popat.kumbhar@ritindia.edu),  
[kumbharpd@rediffmail.com](mailto:kumbharpd@rediffmail.com)
- Dr. D.K.Kulkarni (M) 9423270645  
[dilip.kulkarni@ritindia.edu](mailto:dilip.kulkarni@ritindia.edu)  
[dilipkulkarni@rediffmail.com](mailto:dilipkulkarni@rediffmail.com)

#### # ORGANIZING COMMITTEE

Prof.D.B.Kulkarni	Prof.S.R.Deshmukh
Prof.P.M.Mohite	Prof.Ms.S.N.Patil
Prof.A.C.Attar	Prof.Ms.V.D.Badami
Prof.D.S.Patil	Prof.S.S.Kumbhar
Prof.Y.M.Patil	Prof.A.G.Phakade
Prof.K.K.Shinde	Prof.R.D.Patil

#### # RESOURCE PERSONS

Experts from IIT's, NIT's, Industries, Autonomous and reputed academic Institutes

#### #ADDRESS FOR CORRENPDANCE

K.E. Society's  
**RAJARAMBAPU INSTITUTE OF TECHNOLOGY**  
Rajaramnagar, Post-Sakhrale  
Dist. -Sangli, 415 414  
Ph. 02342-220329, Fax- 02342-220989  
(M) 9970700700, 9970700887, 9423270645  
Website: [www.ritindia.edu](http://www.ritindia.edu)

### ONE WEEK SHORT TERM TRAINING PROGRAMME (STTP)

ON

### DURABLE STRUCTURES OF 21<sup>st</sup> CENTURY

2-6, MAY 2011



ORAGNIZED BY



CIVIL ENGINEERING DEPARTMENT

K.E. Society's  
**RAJARAMBAPU INSTITUTE OF TECHNOLOGY**  
AND  
**SHIVAJI UNIVERSITY (LEAD COLLEGE SCHEME)**

Rajaramnagar, Post-Sakhrale  
Dist. -Sangli, 415414  
Ph. 02342- 220329, Fax- 02342- 220989  
(M) 9970700700, 9423270645  
Website: - [www.ritindia.edu](http://www.ritindia.edu)

### Outline & Scope

Concrete is the most versatile material of construction the world over. It is the material of choice for a variety of applications such as housing, bridges, highway pavements, industrial structures, water-carrying and retaining structures, etc. In India, concrete construction scenario has been witnessing considerable growth in recent years due to the continuing expansion of infrastructure and housing construction.

The late 21th century was a period of suffering for concrete. The safety and the reliability of concrete structures were shaken by a series of problems: the appearance of early deterioration phenomena such as neutralization, alkali aggregate reactions, salt damage and so on. It was generally found that neither structural design nor materials were responsible for the lack of durability. In most cases, it was the construction practice that turned out to be the culprit. Inadequate consolidation or curing of concrete, insufficient cover for the reinforcement, and leaking joints are examples of poor construction practice. Unless we take a closer look at the current construction practice to understand and control the primary causes that adversely affect the durability of concrete, the premature deterioration of concrete structures will continue to occur at unacceptably high rates.

The 20st century is called the age of stock maintenance. Concrete structures are often exposed to more severe environmental conditions than ever before. A major part of the country is subjected to moderate environmental conditions, excepting the coastal and industrial belts and certain extreme climatic zones, in which concrete structures do face aggressive environment. Many organizations and Research Institutions are striving to meet the needs of the present age using their accumulated experience and technology. Therefore, making durable structures should be the new emphasis of the concrete industry in the 21st century.

### Course Outline

This program will provide the focus on durability aspects of concrete structures and will be of great help to the faculties of Civil Engineering in order to boost their knowledge, update and orient themselves towards research works.

The program will throw light on the following topics:

1. Ingredients and Prosperities of concrete
2. Mineral and Chemical Admixtures and their role in concrete manufacturing
3. Advancements in concrete materials
4. Mix design and manufacturing of concrete
5. Durability aspects of concrete
6. Best practices for durable concrete
7. Tests for durability of concrete – pre & post

### ELIGIBILITY:

The Participants shall be the teachers of AICTE approved engineering Institutions and practicing civil engineers from Govt/Private organizations.

### COURSE FEE:

#### Registration fee:

For Delegates : Rs.1500/-

Spot Registrations will be accepted.

Registration fee includes working lunch and course material.

Accommodation will be provided in boy's hostel, No TA /DA will be paid.

### REGISTRATION:

Interested participants should send their application in the enclosed proforma duly recommended by the head of the institute along with the prescribed course fee in the form of CASH/DD in favour of the Principal, R.I.T., Sakharale payable at SBI, Urun Islampur, Tal. Walwa, Dist. Sangli.

**Note:** No Registration fee for Participants from Members of Lead Colleges

### IMPORTANT DATES

Last date for submission of the application forms is **20<sup>th</sup> April 2011**. Intimation to the selected candidates will be conveyed upto **30<sup>th</sup> April 2011** through e-mail only.

## ONE WEEK SHORT TERM TRAINING PROGRAMME (STTP)

### ON DURABLE STRUCTURES OF 21<sup>st</sup> CENTURY

2-6, MAY 2011

### Registration Form

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

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

Department : \_\_\_\_\_

Address for correspondence:

\_\_\_\_\_

\_\_\_\_\_

Phone /Mobile: \_\_\_\_\_

Fax.: \_\_\_\_\_

E-mail (compulsory):

Educational qualification :

Whether Accommodation required: Yes / No.

Bank / Demand Draft No.: \_\_\_\_\_

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

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

Signature of Applicant:

Mr / Ms / Dr. /Prof. \_\_\_\_\_

An employee of this institute and is hereby sponsored to attend the course, if selected.

**Seal & sign of  
Sponsoring Authority**