

TARGET AUDIENCE

The programme is open to all Faculty members , Research scholars from Engineering colleges all over . Participants from industries are also welcome. The total number of participants is limited to 75 on a first come, first served basis. Certificates will be awarded to all the active participants.

To apply,
visit <http://www.jecc.ac.in>

Free Registration

Organizing Committee

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Msgr. Thomas Kakkasserry, Manager

Patrons:

Rev. Fr. Roy Joseph Vadakkan,
Secretary & Campus Head
Rev. Dr. Jose Kannampuzha,
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Dr. Sunny Joseph Kalayathankal,
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Executive Committee:

• Mr. Cyriac M. G. • Ms. Vincy Verghese • Dr. Agnes Anto C.
• Ms. Jisha Akkara • Ms. Archana S.

CO-ORDINATORS & CONTACT PERSONS

Dr. Alwyn Varghese, Asst. Professor, CE
Mob: +917907739204 || Email: alwynvarghese@jecc.ac.in
Ms. Soorya M. Nair , Asst. Professor, CE
Mob: +91 9446442033 || Email: sooryamnair@jecc.ac.in

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International Online Faculty Development Programme on

CHALLENGES AND INNOVATIVE TECHNIQUES IN CONCRETE STRUCTURES



Jyothi

Engineering College

CREATING TECHNOLOGY
LEADERS OF TOMORROW
ESTD 2002

(A CENTRE OF EXCELLENCE RUN BY THE ARCHDIOCESE OF TRICHUR)
NBA & NAAC Accredited || Approved by AICTE || Affiliated to KTU
JYOTHI HILLS, P. O. VETTIKATTIRI, CHERUTHURUTHY, THRISSUR - 679531



25th to 29th
OCTOBER
2021



Reg URL: tinyurl.com/FDPCEJECC

Organized by
Department of Civil Engineering , JEC

ABOUT THE INSTITUTION



Jyothi Engineering College (JEC) set up in 2002, under the aegis of Trichur Educational Trust, founded by the Catholic Archdiocese of Trichur, is a leading Engineering College in Kerala. The Archdiocese of Trichur has an illustrious track record of a century and a quarter in the education sector. We at Jyothi Engineering College are aware that our stakeholders, including students and recruiters, look for reliable information on quality education offered. Jyothi Engineering College is NAAC accredited. The NAAC instrument is developed to objectively assess and grade institutions of higher education. Five of the undergraduate programs offered by Jyothi Engineering College have NBA accreditation, which indicates that we are well recognized for the quality of education we offer. We are periodically evaluated for this stringent NBA accreditation criteria to ensure we sustain the mandated quality levels.

The worlds of study and work have changed dramatically. Students of today require different sets of skills than those of previous generations. We are in the midst of the fourth industrial revolution and the predictions are that 85% of the jobs that will exist in 2030 have not been invented yet. JYOTHI hence prepares students to become T-Shaped professionals, i.e., professionals who have in-depth expertise in their discipline as well as a breadth of competencies required in the twenty-first century. Industry seeks engineers with these skills. In order to train our students to become “T” shaped professionals, so that they are “future ready”, we have set up an incubation centre, Integrated Industrial Incubation Centre (IIIC), in association with TATA Technologies.

In order to help students become “job creators” rather than “job seekers”, Jyothi Engineering College has also set up a Technology Business Incubator, JEC TBI, to create technology based new enterprises, foster an entrepreneurial spirit among students and commercialize R&D output. Additionally, Jyothi Engineering College offers a vibrant, beautiful, and green environmentally friendly campus, and excellent infrastructure for students, to aid the teaching and learning process.

DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering Department was established in 2012. The department offers UG and PG programmes. The faculty is a rich blend of experienced professionals from academia and the industry. The department is equipped with laboratories engaged in Research and Consultancy apart from regular academics. Industry specific training programmes, invited talks, workshops and industrial visits are organized by the department for overall development of the students. The Department has a Center for Water Research and Education (CWRE). Environmental Engineering Laboratory under this is accredited by the Kerala State Pollution Control Board. The center imparts training on water quality management and sanitation to the community on a regular basis apart from testing of water samples at concessional rates.

VISION OF THE DEPARTMENT

To emerge as a Centre of Excellence in Civil Engineering through quality professional education and to create eminent leaders with values committed to the profession and society.

MISSION OF THE DEPARTMENT

- To impart state of the art education and to provide industry exposure to students
- To create civil engineers who successfully adapt and innovate solutions for the built environment
- To inspire and transform the students to hard core professionals and academicians with ethical values.

ABOUT THE PROGRAM

The program's overall goal is to expose the difficulties that can arise during the construction and maintenance of concrete structures. This course will also explore a variety of cutting-edge techniques that are now in use to assist us overcome the problem and make constructions more sustainable and environmentally friendly. Experts in the subject will give their valuable insight, and attendees will have the opportunity to connect with veterans of the field from various institutes across the country. It would help participants improve their knowledge and create a conducive environment for research and academic excellence. The programme aims to bridge the gap between academics, research and industry.

TOPICS COVERED • Smart materials • Sustainable techniques in concrete technology
• Non Destructive Tests • Retrofit and rehabilitation methods • Soil structure interaction

RESOURCE PERSONS

- Dr. Vistasp M. Karbhari, Professor, Department of Civil Engineering, University of Texas at Arlington
- Ms. Ayesha Siddika, PhD Candidate, School of Civil and Environmental Engineering, UNSW Sydney
- Dr. J. S. Sudarsan, Assistant Professor, NICMAR, Pune
- Dr. Sudhir Mishra, Professor, IIT Kanpur
- Er. Ganesh Kumar Sahu, Senior Principal Scientist Bridge Engineering and Structures Div. CSIR-Central Road Research Institute, New Delhi
- Dr. B. G. Vishnuram, Professor & Principal, PSR College, Sivakasi
- Dr. Rama Mohan Rao P., Associate Professor (Sr.), VIT, Chennai, Centre for Disaster Mitigation & Management (CDMM)
- Dr. Bijily Balakrishnan, Assistant Professor, IIT Tirupati
- Dr. Sreevidhya, Professor at Sri Krishna College of Technology, Coimbatore
- Dr. Daniel C., SRF, IIT Delhi
- Dr. Jayachandran K., Assistant Professor, NIT Calicut
- Dr. Balakumar Venkatrama, Senior Consultant at Simplex Infrastructures Limited, Chennai
- Dr. P. M. Shanmugavadivu, Professor and HoD, Civil Dept., Gopalan College of Engineering and Management, Bengaluru
- Ms. Anju M. J., Assistant Professor, Jyothi Engineering College
- Ms. Neeraja P. G., Assistant Professor, Jyothi Engineering College
- Mr. Parthiban P., Assistant Professor, Jyothi Engineering College

IMPORTANT DATES

Commencement of registration: 8/10/2021
Last date of online registration: 24/10/2021