About the Course

Architecture, Engineering and Construction industries are undergoing waves of changes due to the introduction of new technologies. These technologies integrate the fragmented nature of design and construction and have altered the AEC industries in various levels. They are becoming the norm of the profession by enabling better visualisation, effective communication of ideas, higher productivity, enhanced coordination and Optimal solutions. It has become imperative that such knowledge is dissipated in the academia so that the graduate becomes profession ready. This course will highlight current technologies such as Building Information Modelling (BIM), Parametrics, VR and 3D printing, to the participant.

Topics Covered

- Current technologies and influence in Architecture.
- Application of BIM in Architecture the Indian Scenario
- Hands on exposure to Building Information and Modelling in Architecture
- Design, Technology & Manufacturing using 3DPrinting
- Combining Technical and artistic aspects in 3D printing
- 'Speculative Design – Parametric thinking'
- Hands on Exposure on Parametric Design
- 'Communicating Design intent using Virtual Reality'
- Virtual Reality and Architectural Practice.

Eligibility

Faculty members of AICTE approved institutions,Universities, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and Engineers from R&D Labs.

Number of participants is limited to 200. ATAL FDPs are completely free for participants

Selection of the participants will be based on first come first serve basis and based on their area of research work. The coordinators decision will be final in the selection of participants.

Details of Registration

Registration has to done only through
https://atalacademy.aicte-india.org/

Kindly visit https://atalacademy.aicteindia.org/FAQs **for more information.**

FREE REGISTRATION for all participants

Online Platform

The entire programme will be conducted through online mode. The details of online platform and meeting link will be communicated to the selected candidates through their registered email. Assessment on topics covered will also be done through online mode.Minimum 80% attendance and 60% Marks are required to earn certificate.

AICTE –Training and Learning (ATAL) Academy

The Government of India in association with AICTE launched the ATAL academy in 2018. The Vision of ATAL academy is to empower faculty to achieve goals of Higher Education such as access, equity and quality.

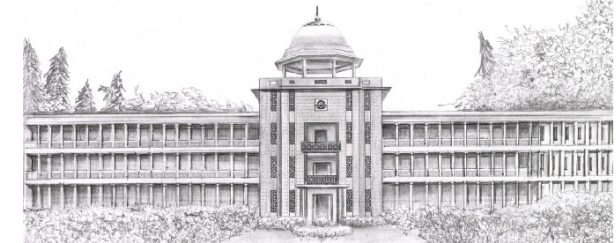## AICTE Training and Learning (ATAL) Academy Online

Faculty Development Programme on

"New Frontiers in Architecture Engineering and Construction (AEC)"

21st February 2022 to 25th February 2022

64 YEARS
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Celebrating Academic Excellence

Organized by

Department of Architecture

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Insitution affiliated to Anna University)

Madurai - 625015

COORDINATORS

Ar. R Meena Kumari
Ar. M Sindhuja
Ar. P Pavalavelsh

Objectives of Academy

» To set up an Academy which will plan and help in imparting quality technical education in the country
» To support technical institutions in fostering research, innovation and entrepreneurship through training
» To stress upon empowering technical teachers & technicians using Information & Communication Technology
» To utilize SWAYAM platform and other resource for the delivery of trainings.
» To provide a variety of opportunities for training and exchange of experiences. Such as workshops, Orientations, learning communities, peer mentoring and other faculty development programmes.
» To support policy makers for incorporating training as per requirements

About the College

Thiagarajar College of Engineering (TCE), Madurai affiliated to Anna University, one among the several educational and philanthropic institutions founded by Philanthropist and Industrialist Late. Shri. Karumuttu Thiagarajan Chettiar, was established in the year 1957 and granted Autonomy in the year 1987. TCE is funded by Central, State Governments and the Management. TCE offers 8 UG Programmes, 10 PG Programmes and Doctoral Programmes in Engineering, Sciences and Architecture. The courses offered in TCE are approved by the All India Council for Technical Education, New Delhi. TCE campuses are designed with world class academic and research facilities, state-of-art laboratories & library which foster innovative teaching and learning and provide personal care to students. TCE is an approved QIP center from 2012 onwards. TCE has secured 71st rank in Engineering and 19th rank in Architecture in the National Institutional Ranking Framework (NIRF-2021) of MHRD, Government of

About the Department

The Department of Architecture was established in the year 1995 and offers Undergraduate Programme in Bachelor of Architecture and Postgraduate Programme in Masters of Architecture. The UG and PG programmes are accredited by Council of Architecture, New Delhi and affiliated to Anna University. The department strives for excellence in architectural training and practice, nationally and internationally, through effective industries – institute collaboration and by engaging in research and scholarly activities.

Vision

Impart excellence in architectural education and nurture social responsible professionals.

Mission

» Evolve and inculcate experimental and effective teaching learning process
» Strive for excellence in architectural training and practice through effective industry institute collaboration
» Lead and coordinate the profession's involvement in socio cultural, environmental and energy related issues in architecture
» Engage in research and scholarly activities that achieve national and international recognition
» Achieving these through team effort & making the department a center of excellence

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