

Resource Persons

The expert lectures will be handled by eminent persons in Pavement Engineering from various IITs, academicians, industry practitioners from India and abroad, and those from research institutes.

Who should Apply?

The faculty members of the AICTE approved institutions, Research scholars, PG scholars, Engineers from the field of highway and transportation engineering in Government departments, research institutions, and consultancies.

How to Apply?

Use the link provided below to navigate to the registration page of ATAL's official website. Please go through instructions provided therein to complete the registration procedure

• **GO TO REGISTRATION PAGE**

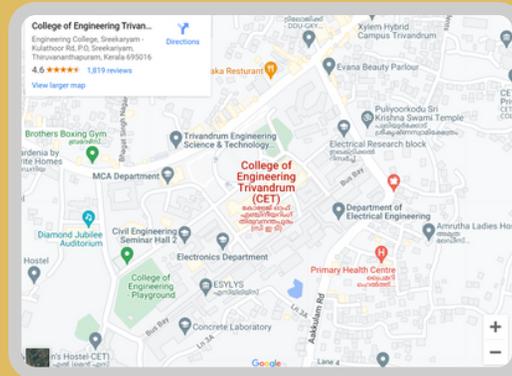
 <https://atalacademy.aicte-india.org>

VISION OF THE INSTITUTE

National Level Excellence and International Visibility in every Facet of Engineering Research and Education.

MISSION OF THE INSTITUTE

- To facilitate quality transformative education in Engineering and Management.
- To foster innovations in Technology and its application for meeting global challenges.
- To pursue and disseminate Quality Research.
- To equip, enrich and transform students to be Responsible Professionals for better service to humanity.



COORDINATORS

Dr. Ashalatha R.

Professor in Civil Engineering
College of Engineering Trivandrum
Email: ashalatha@cet.ac.in
Mob. 9495823647

Prof. Thushara V. T.

Assistant Professor in Civil Engineering
College of Engineering Trivandrum
Email: thusharavt@cet.ac.in
Mob. 8075944677

AICTE-ATAL FDP

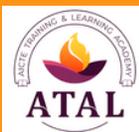
on

Design and Production of Reclaimed Asphalt Pavement Mixtures: A step towards sustainable green pavement



Organised by
Department of Civil Engineering
College of Engineering Trivandrum
Thiruvananthapuram - 695 016
Kerala

Sponsored by
AICTE ATAL



AICTE-ATAL



All India Council for Technical Education (AICTE) set up in November 1945 as a national-level apex advisory body to promote development of technical institutes within the country in a coordinated and integrated manner. AICTE Training and Learning (ATAL) was established to impart quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

COLLEGE OF ENGINEERING TRIVANDRUM

College of Engineering Trivandrum was established in 1939 as the first Engineering College in the then Travancore State. The institution has today acquired the reputation of being the best technical institution under Government of Kerala. The institute is one among the top 115 Engineering Colleges in the country as per NIRF ranking 2022 and all the undergraduate courses are accredited by National Board of Accreditation till 2025.

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering has been in existence since the inception of the College, and has grown into a full-fledged department with a total faculty strength of 60. The Transportation Engineering Division instituted in 1982 is one of the most dynamic divisions having a faculty strength of 12. It conducts research in various areas of Traffic and Transportation Engineering. The division plays a significant role in identifying and solving various problems connected with the transportation sector of the State through transfer of technology.

ABOUT FDP

The paradigm shift towards the use of Reclaimed Asphalt Pavement (RAP) material is becoming a pressing need for the sustainable development of the country. Though it offers a vast scope, there are a lot of challenges associated with it, and solving these is very pertinent for the implementation of such projects.

The course aims to equip the faculty members, researchers, Government officials, and consultants to keep their knowledge upgraded with the scope, challenges, recent technology options, mix design, and material characterization of reclaimed pavement mixtures. It also provides a platform to interact with the academic and industry practitioners working in this field and provides technical knowledge for them to take up these technologies to the next level. The course will open up avenues as below

For practicing Engineers:

- Understand how to do mix design for hot and cold recycling
- Understand how to do structural design for RAP incorporated layers
- What are the best practices for RAP management?
- What are the best practices for pavement construction with RAP?

For academicians and research scholars:

- What are the complexities related to material characterization for RAP (hot and cold)?
- How different is the RAP mix design (hot and cold) compared to regular mix design with hot mix asphalt?
- What are the intricacies related to foamed bitumen, bitumen emulsion and RAP binder?
- How do we account for the variability in RAP in the design process?



9th-20th Jan 2023

(9-14th Jan : 7-9:30 pm [online mode])

(16-20th Jan : 9:30 am-5:15 pm [offline mode])



Experts from Academia



Prof. Veeraragavan A

Retd. Professor
Department of Civil Engineering
Indian Institute of Technology
Madras

Keynote address



Dr. K. Sudhakar Reddy

Professor, Civil Engineering
Department
Indian Institute of Technology
Kharagpur

*An overview of asphalt
recycling in India*



Dr. J Murali Krishnan

Professor, Department of Civil
Engineering, Indian Institute of
Technology, IIT
Madras

*Intricacies of RAP mix design
and RAP mixture
characterization*



Dr. Animesh Das

Professor
Department of Civil Engineering
Indian Institute of Technology
Kanpur

*Current challenges with asphalt
recycling and future*



Dr. Aravind Krishna Swamy

Associate Professor
Department of Civil Engineering
Indian Institute of Technology
Delhi Hauz Khas, New Delhi

*Quantification of Recycled
Asphalt Concrete Mixtures
variability*



Dr. Anjan Kumar

Associate Professor
Department of Civil Engineering
Indian Institute of Technology
Guwahati

*Construction aspects related to
the recycled pavement - hot mix
recycling and cold-mix
recycling*



Dr. A Padmarekha

Associate Professor
Department of Civil Engineering
SRM Institute of Science and
Technology Kattankulathur

*Modulus determination of RAP
mixtures*



Dr. Neethu Roy

Professor, Department of Civil
Engineering, Mar Baselios
College of Engineering and
Technology, Trivandrum

HMA material characterization



Dr. M.R.Nivitha

Assistant Professor
Department of Civil Engineering
PSG College of Technology,
Coimbatore

RAP binder characterisation



Dr. Ahmed Asif

Business Manager - Asphalt
Ingevity India Pvt Ltd

*Different options, challenges,
current practice in hot-mix
recycling*



Sreejith G H

Deputy Director, Kerala Highway
Research Institute, Trivandrum

*An overview of RAP
construction projects in Kerala
Asphalt mix design in practice-
Implementing laboratory mix
designs in the field*



Arpan Ghosh

Principal Consultant-Technical, V
R TECHNICHE Consultants Pvt
Ltd

*Construction challenges related
to the recycled pavement-
Perspective from a pavement
owner*

Experts from Research Insitutes/Industry



Dr. Charmot Shephane

Asphalt Technical group leader,
Asia Pacific Technical Center,
Ingevity, Shanghai, China

*The international practice in the
production of RAP mixtures and
recycled pavements*



Dr. Nivedya M K

Associate Data Scientist at San
Diego Association of
Governments, California, USA

*Building Sustainable Road
Infrastructure using Foamed
Bitumen Technology*



Dr. Samson Mathew

Director, National Transportation
Planning and Research Centre
(NATPAC), Kerala

*Construction aspects related to
the recycled pavement-
Challenges in Kerala*



Ajay B Poojary

Area Manager – Product
Management Road Technologies,
WrintgenIndia, Pvt. Ltd

*Sharing experience on Recycled
Pavements & Foam Bitumen
Technology*