

AICTE –Training and Learning (ATAL) Academy

The main objectives of the ATAL Academy are

- 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:

JNTUA College of Engineering (Autonomous) Ananthapuramu, an esteemed engineering college in Andhra Pradesh was established in 1946 and has been growing continuously in size with respect to intake, faculty strength, number of academic programs offered and infrastructure. It is always committed to offering value-added instruction to widen the horizon of vision for the enrichment of technical education along with skill development. Now it is one of the constituent colleges of Jawaharlal Nehru Technological University Anantapur, Ananthapuramu, Andhra Pradesh.



About the Department:

The department of Civil Engineering was established in 1946 offering B. Tech. course with an intake of 30 students, which was enhanced to 60 in the year 2010. The M. Tech. Structural Engineering course was started in the year 1971 with an intake of 10 students, which was enhanced to 25 in the year 2001, M. Tech. Computer Aided Structural Engineering was started in the year 2001 with an intake of 25 students

Department Vision:

- Committed to expanding the horizon and inspiring young minds towards academic excellence in the field of Civil Engineering.
- Aims at scaling new heights in Civil Engineering through advanced research and innovative technologies to keep pace with the changing needs of industry and society at large.

Department Mission:

- To identify and implement proven, prevention oriented, forward looking solutions to critical scientific and technological problems in Civil Engineering.
- To make technology a principal instrument of economic development of the country and to improve the quality of life of the people through technological education, innovation, research, training and consultancy especially through technologies related to Civil Engineering.

Aim of the program:

The aim of this program is to provide faculty members and civil engineering professionals with a comprehensive understanding of how to incorporate disaster management principles into the design, planning, and maintenance of infrastructure. By fostering knowledge in areas such as structural resilience, geospatial technologies, water resource management, and sustainability, the program seeks to build a solid foundation for developing disaster-resilient infrastructure that safeguards communities and ensures long-term sustainability.

Objectives:

- To provide foundational knowledge on disaster management and its integration with civil engineering practices.
- To equip participants with skills in structural resilience, GIS applications, water resource management, and sustainable infrastructure development.
- To foster understanding of retrofitting, post-disaster recovery, and climate-resilient design across all civil engineering streams.

Expected Outcomes:

After completion of this program, participants:

- Will have a solid understanding of disaster management principles and their application in civil engineering.
- Will be equipped with knowledge of GIS, remote sensing, and hazard mapping for disaster risk reduction.
- Will be able to apply retrofitting techniques for enhancing infrastructure resilience.

- Will have the skills to integrate sustainable and climate-resilient practices into civil engineering projects.
- Will develop a comprehensive understanding of post-disaster damage assessment and recovery strategies.

Resource Persons:

Renowned experts from IITs, NITs, universities, and other prestigious institutions will deliver talks on a variety of topics. Additionally, speakers from industry and international experts will also contribute to the course.

Eligibility:

- The faculty members, Research scholars & PG Scholars of the AICTE approved institutions and Industry Personnel
- Not more than 20% from Host Institution.

Registration Fee / accommodation / selection criteria:

- No registration fee for participation.
- Registration has to be done only through <https://atalacademy.aicte-india.org/>
- For more information, kindly visit <https://aralacademy.aicte-india.org/FAQs>

For further details contact:

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ORGANIZING COMMITTEE

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Vice Chancellor

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Prof. S. Vasundara, Vice-Principal, JNTUACEA

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Professor, Department of Civil Engineering,
JNTUACEA.

Co-Coordinator:

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Associate Professor, Department of CE, SRIT.

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- Dr. T.Chinna Venkata Reddy, Associate Professor & Head, Srinivasa Ramanujan Institute of Technology, Anantapur



AICTE Training & Learning Academy 6 Days online Faculty Development Programme

on

Emerging Trends in Civil Engineering for Disaster Management 23rd to 28th December 2024

Coordinator:

Dr. C. Sashidhar, Professor

Organised by:



**Department of Civil Engineering,
JNTUACEA**

In association with

Department of Civil Engineering



Srinivasa Ramanujan Institute of Technology
(AUTONOMOUS)

Rotarypuram Village, B K Samudram Mandal, Ananthapuramu - 515 701

Department of Civil Engineering
JNTUCEA Ananthapuramu, Andhra Pradesh-515701.

AICTE Training & Learning (ATAL) Academy
Online 6 Day Faculty Development Programme 2024-25

On
Emerging Trends in Civil Engineering for Disaster Management

23rd to 28th December 2024

Time	Topic & Speaker Details	Time	Topic & Speaker Details
Day-1 (23rd December 2024)		Day-2 (24th December 2024)	
6:00PM To 6:30PM	Inaugural Session		
6:30 PM to 8:00 PM	<p style="text-align: center;">Session-1 Introduction to Disaster Management in Civil Engineering Dr. B. Kondraivendhan Associate Professor, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology, Surat - 395007, Gujarat, India Experience: 20 Years</p>	6:00PM to 7:30PM	<p style="text-align: center;">Session 3 Structural Engineering for Disaster Resilience Pavan Aninthaneni Christchurch director, Edge consulting engineers, Christchurch, Canterbury, New Zealand Experience: 12 Years</p>
8:00 PM to 9:30 PM	<p style="text-align: center;">Session-2 Water Resource Management and Flood Mitigation Dr. P. G. Agnihotri Professor Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology, Surat - 395007, Gujarat, India Experience: 30 Years</p>	7:30PM to 9:00PM	<p style="text-align: center;">Session 4 Resilient Earthquake Resistant Buildings Sreenivasulu Pothuri Senior Manager - Subsea Engineering McDermott Asia Pacific Sdn Bhd., Kuala Lumpur Malaysia – 50200 Experience: 25 Years</p>
Day-3 (25th December 2024)		Day-4 (26th December 2024)	
6:00 PM to 7:30 PM	<p style="text-align: center;">Session 5 Bridges resilience against natural hazards Bhattiprolu H K J Durgajithendra, Senior Engineer (Mobility-Structures), Arcadis, Hyderabad. Experience: 08 Years</p>	6:00PM to 7:30PM	<p style="text-align: center;">Session 7 Disaster Assessment, Monitoring, and Prediction Using Remote Sensing and GIS Dr. Gundapuneni Venkata Rao Postdoctoral Researcher, Southern Methodist University, Dallas, TX 75205, United States Experience: 12 Years</p>



Department of Civil Engineering
JNTUCEA Ananthapuramu, Andhra Pradesh-515701.

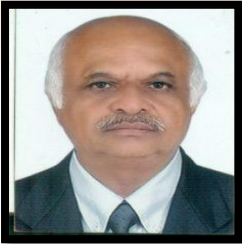





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Cont..... Day-3 (25th December 2024)			Day-4 (26th December 2024)		
7:30PM to 9:00PM	<p align="center">Session 6 Case studies of Rehabilitation of Bridges and Aqueducts Er. R K Jaya gopal Managing Director, Struct Geotech Research Laboratories Pvt.Ltd Bangalore 560 085 Karnataka State, India Experience: 45 Years</p>		7:30PM to 9:00PM	<p align="center">Session 8 Disaster Assessment, Monitoring, and Prediction Using Remote Sensing and GIS Dr. Gundapuneni Venkata Rao Postdoctoral Researcher, Southern Methodist University, Dallas, TX 75205, United States Experience: 12 Years</p>	
Day-5 (27th December 2024)			Day-6 (28th December 2024)		
6:00PM to 7:30PM	<p align="center">Session 9 Application of geospatial technologies for disaster management Dr. Ashish Chandra Pathy Assistant Professor (Stage-II) Utkal University, Bhubaneswar, Odisha. Experience: 26 Years</p>		2:00PM to 3:30PM	<p align="center">Session 11 Earthquake resistant design of reinforced concrete buildings past and future Prof. Kavitha B Assistant Professor Gr-II Department of Civil Engineering National Institute of Technology, Warangal Telangana. Experience: 15 Years</p>	
7:30PM to 9:00PM	<p align="center">Session 10 Applications of drone in disaster management Dr. Ch. Ramesh Naidu Professor, Department of Civil Engineering GVP College of Engineering (A) Madhurawada, Visakhapatnam-530048 Experience: 24 Years</p>		3:30PM to 5:00PM	<p align="center">Session 12 Quantification of disaster resilience in civil engineering Dr. N. Venkata Ramana Associate Professor, Department of Civil Engineering, Visvesvaraya Technological University, Kalaburagi, Karnataka. Experience: 26 Years</p>	
			5:00 PM to 7:30 PM	<p align="center">Session 13 Assessment of rainfall-induced slope failure susceptibility Dr. Rohan Deshmukh Geotechnical Solution Engineer at Bentley Systems, Chennai, Tamil Nadu India. Experience: 11 Years</p>	