



**Three Days Online Workshop**  
Organized by  
**DEPARTMENT OF CIVIL ENGINEERING**  
**NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT**

# Waste or Wealth (WoW)

## STRATEGIC WASTE MANAGEMENT PRACTICES



### ABOUT WORKSHOP

Waste presents a dual nature, serving as both a resource and a potential hazard to the environment. India grapples with significant health, environmental, and economic challenges stemming from waste generation and insufficient infrastructure for its collection, transportation, treatment, and disposal. To address these concerns, numerous initiatives, including the "waste to wealth" program, have been initiated. However, haphazard waste management leads to substantial material loss and poses risks to public health and the environment. Recognizing the urgency, the Indian Government is actively promoting environmentally sustainable waste management practices.

The Swachh Bharat Abhiyan movement symbolizes India's commitment to a cleaner, more sustainable future through improved waste management.

This workshop aims to equip participants with a thorough understanding of the intricate dynamics of waste management and mitigation. It will delve into the latest remedial technologies and policies driving environmental transformations. Furthermore, the workshop will lay a solid foundation in scientific inquiry and ongoing monitoring, examining the effectiveness of various treatment and management strategies and their impacts on ecosystems and human health.

### WHO CAN ATTEND?

Students, Researchers, Faculty members and Working Professionals at all levels from all disciplines



**May 17-19, 2024 (10:00 AM-4:45 PM)**



**Online Mode**



### COORDINATORS

**Dr. Bhaskar S**

Assistant Professor, CED, NITC

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Assistant Professor, DAP, NITC

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## NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT

National Institute of Technology Calicut was founded as Regional Engineering College, Calicut, in 1961. Set in a picturesque at the foothills of the Western Ghats, it is located about 22 km north-east of Calicut city. Calicut, also known as Kozhikode, is known as the city of spices. It is a prestigious institute with a reputation for excellence at UG, PG and research levels, fostering the spirit of national integration among the students and close interaction with industry.

## DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering is one of the oldest Departments in this Institute in 1961. Over the years, the Department has grown many folds and at present, the Department offers an undergraduate programme in Civil Engineering leading to the B.Tech. degree and four graduate programmes leading to the M.Tech. degree of the Institute. In addition to the above, there are a number of students pursuing research at the Department in various fields of Civil Engineering, leading to Ph.D. The Department is a recognized QIP centre of the AICTE for both M.Tech. and PhD programmes. The Department has been regularly conducting a number of short-term training and faculty development programmes for the benefit of faculty of technical institutions and working professionals

## DEPARTMENT OF ARCHITECTURE AND PLANNING

The Department of Architecture and Planning is committed to providing an academically strong platform for those aspirants who would have a promising career and leave an enduring impression in the field of Architecture and Urban Planning. The Department of Architecture and Planning plans and strives to reach these goals by offering the Undergraduate (5 Year B.Arch.) Degree Program in Architecture. The Post Graduate Degree (2 Year M. Plan) Program in Urban Planning aims to produce generalist planning professionals of international quality who can adapt to any challenging planning situation with superior capability to use geo-informatics which includes GIS, remote sensing, related models and quantitative methods in urban, regional and environmental planning. Additionally, the department boasts of a PhD program with over 100 broad research areas.

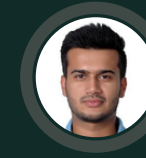
The Department has achieved a rare feat of achieving the SECOND position in the NIRF rankings for Architecture and Planning consecutively for three years - 2023, 2022 & 2021. The Ministry of Housing and Urban Affairs (MoHUA), Government of India, has designated the Department of Architecture and Planning at NITC as the Center of Excellence (CoE) in Urban Planning and Design.

## EMINENT SPEAKERS



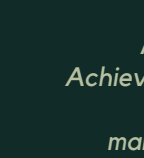
### Dr. Ramesh Nayaka

Assistant Professor, CED, IIT Dharwad  
*Converting C&D waste into Construction Sector Wealth*



### Dr. Avishreshth Singh

Postdoctoral Researcher  
Delft University of Technology, Netherlands  
*Circularity and Sustainability Assessment of Pavement Technologies*



### Dr. Abhishek N. Srivatsav

Assistant Professor, CED, NITC  
*Achieving city aesthetics and hygiene through strategic solid waste management: Experiences in India*



### Dr. Vinay H. N.

Assistant Professor, CED, SIT Tumkur  
*Alternate Materials in Pavement Construction – Potential, Challenges and Way Forward*



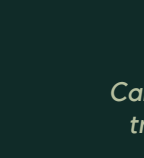
### Er. Anirudh Rao

Head Business Development at Projectile  
*Design to Debris : An Overview of Construction Waste Management*



### Dr. Dhruva Narayan K.

R&D, Infratec Co. Ltd., Japan  
*USEFUL ways of managing the USELESS!*



### Dr. Shabina Ashraf

Assistant Professor, BED, NITC  
*Carbon dioxide Storage: Solubility trapping in Deep Saline Aquifers*



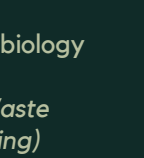
### Dr. M. A. Jayaram

Professor, RASTA- Center for Road Technology, Bangalore  
*Manifolds of AI Applications in Waste Management*



### Dr. Deepthi B. V.

Project Scientist, DoS in Microbiology  
University of Mysore  
*Biological Ways of Organic Waste Processing (Bio WoW Processing)*



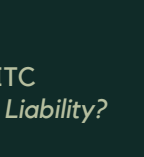
### Dr. Shivashankar G. P.

Professor, CED, DSU, Bangalore  
*Wetland Eco Craft: Crafting a Greener solution for rural wastewater management*



### Dr. George K. Varghese

Associate Professor, CED, NITC  
*Sewage Sludge: An Asset or Liability?*



### Dr. Aswathy E. V.

Assistant Professor, CED, NITC  
*Strategic Waste Management Practices in Air Pollution Industry*

## REGISTRATION DETAILS

Registration fee (including 18% GST) for attending three-days online workshop.

### STUDENTS

UG : Rs. 354

PG : Rs. 472

PhD : Rs. 590

NITC FACULTY: Rs. 708

FACULTY OUTSIDE NITC: Rs. 944

INDUSTRY DELEGATE : Rs. 1180

INTERNATIONAL DELEGATE : 100 USD

Account details / QR code for registration fee payment is provided in next page.

After fee payment, to complete registration please fill the form through the link:

<https://forms.gle/N8FAXgUVMDtTBxnf9>

Registration end date : May 12, 2024

Participation e-certificate will be issued to the registered participants upon the completion of the programme.

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## Waste or Wealth: Strategic Waste Management Practices

QR CODE



### ACCOUNT DETAILS

Account number: 37618269594

Account holders name: DIRECTOR NIT CALICUT-  
CONTINUING EDUCATION PROGRAMME

Bank: State Bank of India, NIT Calicut Campus

IFSC: SBIN00002207

Participants are requested to type  
**"WoW 2024 NITC"**  
in description field of payment platform



PhonePe



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After fee payment, to complete registration please fill the form through the link:

<https://forms.gle/73WncTUmkY33nZ4H9>