



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
 (ವಿ.ಟಿ.ಯು. ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
Visvesvaraya Technological University
 (State University of Government of Karnataka Established as per the VTU Act, 1994)
 "Jnana Sangama" Belagavi-590018, Karnataka, India



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CIRCULAR

Sub: *Deputing faculty for 6 days AICTE-ATAL Online FDP on "Sustainable Management of Natural Resources and Waste" reg.*

The Department of Civil Engineering, in collaboration with the Department of Mechanical Engineering, VTU Belagavi, is organizing AICTE-sponsored ATAL **Online Faculty Development Program (FDP)** on "**Sustainable Management of Natural Resources and Waste**" scheduled from *August 18 – 23, 2025*.

The FDP aims to enhance the knowledge and skills of faculty members in the domain of sustainable resource utilization and waste management, in alignment with contemporary environmental and industrial practices.

You are requested to **depute suitable faculty members from your institution** to participate in this program. The sessions will be conducted online, and details of registration, schedule, and participation are provided in the **attached brochure**. Registration is mandatory for attending the FDP and the participants are requested to register in the ATAL portal using the link: <https://atalacademy.aicte.gov.in/>

For any clarifications or additional information, you may please contact:

Dr. Chandrashekarayya G. Hiremath, Coordinator, FDP, Mobile: +91 96203 13624

We look forward to your active support and participation in making this FDP a success.

Sd/-
REGISTRAR

To

1. The Principals of all the Affiliated/Constituent/Autonomous Engineering Colleges.
2. The Chairpersons of VTU PG Departments.

Copy FWCs to:

1. Hon'ble Vice-Chancellor, through the Sec. to VC, VTU Belagavi for information.
2. The Incharge Regional Directors of VTU Regional Offices, for information.
3. The Incharge Director, IQAC, VTU Belagavi, for information.

01/08/25
REGISTRAR
GP



Six days
AICTE Training and Learning (ATAL)
Academy Sponsored Faculty Development
Programme (*Online*)

ON

Sustainable Management of Natural Resources and Waste

AUGUST 18th to 23rd, 2025

Organized By



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi, Karnataka, India.

Coordinator

Dr. Chandrashekarayya G. Hiremath
 Dept. of Civil Engg., VTU Belagavi

&

Co-Coordinator

Dr. Anil . S. Pol
 Dept. of Mechanical Engg., VTU Belagavi

ABOUT VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU), BELAGAVI

Visvesvaraya Technological University is a premier state University in Karnataka, India, dedicated to technical and management education. Established in 1994, VTU has grown significantly, currently overseeing over 212 affiliated colleges and educating more than 3 lakh students across its four regional centers. Recognized for its academic excellence, VTU has secured impressive rankings in various categories by the National Institutional Ranking Framework (NIRF). It ranks 69th in engineering, 75th in the University category, 101st in management, and 101st overall.

VTU's main administrative center, "Jnana Sangama," or "The Confluence of Knowledge," located in Belagavi houses state-of-the-art laboratories, research facilities, and modern classrooms. This conducive learning environment fosters academic and technological advancements among its diverse student community. VTU has forged strong partnerships with international organizations like CANEUS International and multinational corporations such as IBM, Intel, Ingersoll-Rand, Nokia, Bosch Rexroth, and Microsoft. These collaborations have led to the establishment of centers of excellence, further enhancing the University's academic and research capabilities. VTU's commitment to engineering education is evident in its emphasis on practical learning and research. This focus on practical experience prepares graduates to excel in the dynamic field of engineering and technology.

ABOUT DEPARTMENT OF CIVIL & MECHANICAL ENGINEERING

The Department of Civil & Mechanical Engineering is one of the core engineering departments under VTU, offering comprehensive academic programs at the undergraduate, postgraduate, and doctoral levels. These departments offer wide professional expertise and is actively engaged in sponsored research, consultancy, and technical services. These departments have required infrastructure facilities such as class rooms with LCD, smart boards, computing facility, laboratory & library. Most of the faculty members have received recognition as reviewers for journals and are awarded distinctions in recognition from different organizations. These departments are also very active in manpower development and regularly organize tailor-made workshops and skill development training programs.

ABOUT ATAL ACADEMY

The main objectives of the ATAL Academy are:

- To plan and help in imparting quality technical education in the country.
- To support technical institutions in fostering research, innovation, and entrepreneurship through training in various emerging areas.
- To stress upon empowering technical teachers using Information and 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 in incorporating trainings as per requirements.

ABOUT THE FACULTY DEVELOPMENT PROGRAMME (FDP-ONLINE)

To strengthen the knowledge and capabilities of faculty members/researchers in sustainable practices, this initiative focuses on the responsible utilization of natural resources especially water resources and the implementation of effective waste management strategies. By equipping educators and researchers with up-to-date skills and insights, the goal is to promote environmentally conscious approaches in teaching, research, and community outreach. Faculty members will be empowered to integrate sustainability principles into their academic and professional activities, fostering a culture of environmental responsibility within the institution. This holistic approach aims to contribute to environmental sustainability while enhancing the institution's role in addressing pressing environmental challenges.

RESOURCE PERSONS

The FDP seeks to unite scientists and academicians from leading institutions such as NITs, VTU, and Monash University, along with experts and industrial consultants from organizations focused on water resources and waste management, will serve as speakers at the FDP.

BROAD TOPICS COVERED

- Sustainable water resources management
- Application of RS & GIS in natural resources management
- Waste to wealth
- Soil remediation
- Industrial waste management

WHO CAN ATTEND

The FDP is open to research scholars, postgraduate and undergraduate students, faculty members of AICTE approved institutions, scientists, and corporate delegates/ Industry personnel.

REGISTRATION FEES

ATAL FDPs are free, and No fee will be charged from any participant attending ATAL FDP.

Link for Registration:

Registration is mandatory for attending the FDP. The participants are requested to register in the ATAL portal using the following links:

- For registration:
<https://atalacademy.aicte.gov.in/>
- For Participant NOC (to be uploaded on ATAL portal):
https://atalacademy.aicte.gov.in/assets/document/ATAL_online/participnat_consent_letter_2025_26.pdf

GUIDELINES

- Sessions will be conducted during the evening time (6:00pm to 9:00pm).
- Eligible participants will be selected based on first come first serve basis and will be intimated.
- Coordinators decision will be final regarding the selection of participants.
- The FDP will be held in ONLINE mode.
- The certificates shall be issued by ATAL academy to those participants who have attended the program with minimum 80% attendance and scored minimum 70% marks in the test conducted at the end of the FDP.

CHIEF PATRON

Prof. Vidyashankar S

Hon'ble Vice Chancellor, VTU, Belagavi.

PATRONS

Prof. B. E. Rangaswamy, Registrar, VTU, Belagavi.

Prof. T. N Sreenivasa, Registrar (Evaluation), VTU, Belagavi.

Dr. Prashantha Nayaka G, Finance Officer, VTU, Belagavi

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Dr. Babureddy, Dept. of Mechanical Engineering, VTU Belagavi.

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Dr. Ravindra R. Malagi, Dept. of Mechanical Engg., VTU, Belagavi

Dr. Venkatesh M. Kulkarni, Dept. of Mechanical Engg., VTU, Belagavi

Dr. Rohan S Gurav, Dept. of Civil Engg., VTU, Belagavi.

FOR MORE DETAILS KINDLY CONTACT

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VTU Weblink: <https://vtu.ac.in/>

ATAL Online 6 Day Faculty Development Programme 2025-26 Schedule

FDP Thrust Area: Energy, Sustainability & Climate Change

FDP Title: Sustainable Management of Natural Resources and Waste

Start Date: 18 August 2025

End Date: 23 August 2025

Day 1 (18-8-2025)	Day 2 (19-8-2025)	Day 3 (20-8-2025)	Day 4 (21-8-2025)	Day 5 (22-8-2025)	Day6 (23-8-2025)
<u>6:00PM to 6:30PM</u> Inaugural Session	<u>6:00 PM to 7:30PM</u> Session-3 <ul style="list-style-type: none">Topic: Natural Resources Management through RS and GISName of the Expert: Dr. Nagraj. S PatilDesignation & Organization: Associate professor, Visvesvaraya Technological University, Belagavi.Years of Exp:20	<u>6:00PM to7:30PM</u> Session-5 <ul style="list-style-type: none">Topic: Surface soil moisture mapping using Remote sensing.Name of the Expert: Dr. Punith Raj G.Designation & Organization: Assistant Professor, NIT Calicut.Kozhikode Years of Exp: 7	<u>6:00PM to7:30PM</u> Session-7 <ul style="list-style-type: none">Topic: Green Industry: Lead Acid Battery Waste Reduction through RefurbishmentName of the Expert: Dr. Chandramohan Umapathy.Designation & Organization: Banashree Renewable Energy System Pvt Ltd., Belagavi.Years of Exp: >25	<u>6:00PM to 7:30PM</u> Session-9 <ul style="list-style-type: none">Topic: Use of steel industry by products in the cement and concrete industry for sustainability.Name of the Expert: Dr. L. R. Manjunatha.Designation & Organization: Vice President at JSW Cement Limited, Bengaluru.Years of Exp:32	<u>2:00PM to 3:30PM</u> Session-11 <ul style="list-style-type: none">Topic: Insitu soil remediation in degraded and contaminated landsName of the Expert: Dr. Shashibhushan.Designation & Organization: CEO, TREE Green Solutions Pvt. Ltd. Hubli & Mumbai.Years of Exp: 10
<u>6:30PM to 8:00PM</u> Session-1 <ul style="list-style-type: none">Topic: Water Management for a Sustainable Future.Name of the Expert: Dr. Lakshman Nandagiri.Designation & Organization: Professor (HAG), NIT Surathkal, Mangaluru.Years of Exp: >30	<u>7:30PM to 9:00PM</u> Session-4 <ul style="list-style-type: none">Topic: Climate-informed water resources management in the face of global change.Name of the Expert: Dr. Pallavi Goswami.Designation & Organization: Research Fellow, Monash University, Australia.Years of Exp:7	<u>7:30PM to 9:00PM</u> Session-6 <ul style="list-style-type: none">Topic: Applications of remote sensing and machine learning in natural resources management.Name of the Expert: Dr Vinay Kumar Gaddam.Designation & Organization: Associate prof., Siddhartha academy of higher education, Vijayawada.Years of Exp: 16	<u>7:30PM to 9:00PM</u> Session-8 <ul style="list-style-type: none">Topic: Zero Waste to Landfill a certification based approach to encourage industries to sustainably manage wasteName of the Expert: Dr. Anand Hiremath.Designation & Organization: Chief Sustainability Officer, Sustainable Ship and Offshore Recycling Program, GujaratYears of Exp:13	<u>7:30PM to 9:00PM</u> Session-10 <ul style="list-style-type: none">Topic: Turning the wheel from waste to wealth: Opportunities and Market Potential of Green Wastes.Name of the Expert: Dr. Shruti Sharma.Designation & Organization: Program Manager, Astute Technologies Edu. & consulting Services, CanadaYears of Exp: 7	<u>3:30PM to 5:00PM</u> Session-12 <ul style="list-style-type: none">Topic: Safe Reuse of Treated WaterName of the Expert: Nathaniel Bhakupar DkharDesignation & Organization: Associate Director, Mu Gamma Consultants, New Delhi.Years of Exp:17
<u>8:00PM to 9:30PM</u> Session-2 <ul style="list-style-type: none">Topic: Managing floods for a sustainable development.Name of the Expert: Mr. Prabhanjan Alankar.Designation & Organization: Senior Group Engineer, AtkinsRealis Bengaluru.Years of Exp:13					<u>5:00PM to 6:30PM</u> Session-13 <ul style="list-style-type: none">Topic: Industrial Waste Management.Name of the Expert: Shri. Gopalkrishna B. S.Designation & Organization: Senior Environmental Officer Zonal office, Karnataka State Pollution Control Board, Belagavi.Years of Exp:25
					<u>6:30PM to 7:30PM</u> Online test & feedback
					<u>7:30PM to 8:00PM</u> Valedictory Session