

AAKAR

A News Letter
Of
THE DEPARTMENT OF
CIVIL ENGINEERING



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**SHRI MADHWA VADIRAJA INSTITUTE
OF TECHNOLOGY & MANAGEMENT**

(A Unit of Shri Sode Vadiraja Mutt Education Trust[®], Udupi)

Accredited by NAAC with 'A' Grade

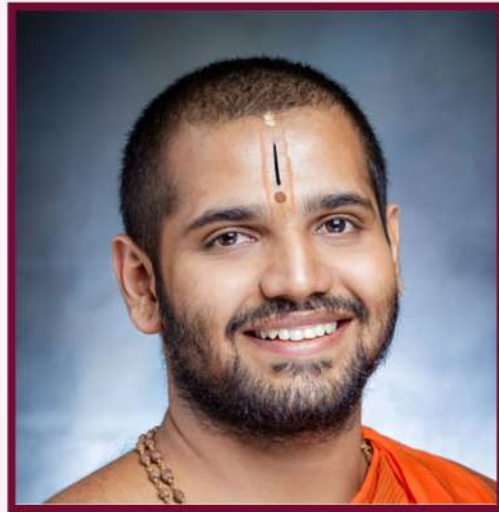
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SMVITM



Shree Shree Vishwavallabha Theertha Swamiji

Education transforms and refines the human spirit, and a refined human spirit makes that contribution to society which transforms society itself. Today's thinking should not kill the future and hence encouragement and nurturing of innovation and inquiry should become the cornerstone of any educational endeavour.

It is our attempt through the Shri Sode Vadiraja Mutt Education Trust(R) to impart professional education that bridges social gaps and empowers all segments of the society to approach the future with optimism and hope. All facilities both human and otherwise will be provided for the young minds to blossom and meet challenges with confidence.



American Society of Civil Engineering defines Civil Engineering as the profession, in which a knowledge of the mathematical and physical science gained by study, experience and practice is applied with judgment to develop ways to utilize economically the materials and forces of nature for the progress of well-being of man.

The Civil Engineering Department has been in existence since the inception of the institute during the Academic year 2010-11 with, an intake of 60 students. The Department has got a highly qualified team of faculty members having rich experience within the academia and industry. The Department has set up state-of-the-art laboratories with all modern equipment in specialized areas to meet the needs of students as well as R&D and consultancy works that are on a par with institutions of repute in different fields of civil engineering.

Dr. Sandeep J Nayak

Professor & Head, Department of Civil Engineering

Our Vision

“To establish a renowned centre to impart quality technical education, leadership qualities, professional ethics so as to contribute civil engineers to the society, capable of meeting global challenges”.

Our Mission

- To provide unparalleled infrastructural facilities for imparting quality education at affordable cost.
- To provide an academic environment conducive for quality education and research, focusing on transfer of knowledge for the benefit of the profession and society.
- To nurture talent in students and staff to enable them to be leaders in their chosen professions while maintaining the highest levels of ethics.
- To create awareness about innovation and ideation amongst students to promote entrepreneurship.
- To provide a platform for effective interactions and networking amongst all stake-holders so as to achieve excellence in education, research and outreach activities.

Programme Educational Objectives (PEOs)

The objectives of the Civil Engineering undergraduate program at SMVITM are to develop civil engineers with the following

5 years down the line after graduation, the graduates should have

- A strong foundation for becoming a technically competent human resource in the broad disciplines of Civil Engineering
- Excel in Civil Engineering profession to meet the challenges of construction industry
- Update and adopt modernization in Civil Engineering with lifelong learning
- Preserve the environment for the society by adopting sustainability in Civil engineering with professional ethics

Programme Outcomes (POs)

Graduates of the Civil Engineering program are able to:

PO No	Graduate Attributes	At the end of the programme the student should be able to
1	Engineering Knowledge	Apply knowledge of mathematics, science, and engineering to solve the Civil engineering problems
2	Problem Analysis	Identify the problem, analyze, formulate and apply appropriate Civil engineering techniques to obtain the solutions
3	Design & Development of Solutions	Design Civil Engineering structures, components or processes by considering public health and safety, societal, sustainability and environmental issues
4	Conduct Investigations of Complex Problems	Conduct investigations of problems, search, identify and select relevant information from the literature to provide valid conclusions.
5	Usage of Modern Tools	Use modern tools for solving the engineering issues associated with social and professional context
6	Engineer & Society	Understand the role and responsibility of a Civil Engineer and apply the knowledge for the development of society
7	Environment & Sustainability	Apply the concepts of Civil engineering to minimize the environmental hazards by adopting sustainability in construction activities
8	Ethics	Understand and apply professional ethics for the issues relevant to the Civil engineering practices.
9	Individual & Team Work	Work as a member of a multidisciplinary project or research teams and have an understanding of leadership in teams and organizations.
10	Communication	Produce engineering reports, communicate the thoughts and ideas clearly and effectively.
11	Project Management & Finance	Demonstrate knowledge of the civil engineering project management principles and apply them to manage construction projects
12	Life-long Learning	Understand the need of engaging in life-long learning to update the knowledge in Civil Engineering field
PSO-1	Focus on developing and exposure to alternative/ advanced technologies	Understand, develop and implement state-of-art technologies related to civil engineering
PSO-2	Extension of knowledge and testing facilities for the society	Provide solutions to day-to-day civil engineering problems by extending the intellectual knowledge base and the testing facilities for the society

PROGRAMS CONDUCTED IN ODD SEM

- Webinar on “Effective Preparation Strategies For Gate-2022”
- **Dr. Shriram Marathe**

The Student Chapter of Indian Society for Technical Education (ISTE) in association with Civil Engineering department has organized a webinar on “**Effective Preparation Strategies for Gate**” by **Dr. Shriram Marathe, Assistant Professor, Dept. of Civil Engineering NMAMIT, Nitte** on 04th February 2022. Dr. Shriram marathe has started the session with the importance of Gate in current scenario. Total 78 students were benefitted from the session from second, third and final year students of civil engineering department.

- Webinar on “**VISTHARA -2022**”

Civil Engineering Department of Shri Madhwa Vadiraja Institute of technology and management in association with Karnataka Government Polytechnic, Mangalore organized a webinar of Two Session to the Civil Engineering students.

First Session was at 10:30 am on “**Building Plan Approval System**” by **Mr. Roshan S Kotian, Asst. Prof. Dept. of Civil Engineering SMVITM, Bantakal** and the Second Session was at 3:00 pm onwards on “**Waste Water Treatment for Residential Apartments**” by **Ms. Deepika B V, Asst. Prof(Sr.), Dept. of Civil Engineering SMVITM, Bantakal** at 17th February 2022.

PROGRAMS CONDUCTED IN ODD SEM

. World Water Day Celebration



Department of Civil Engineering in association with Eco Club of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, organized a program on “Water Conservation and Management ” on 22th March 2022 in connection with World Water Day. The program’s motto was to create awareness about the importance and conservation of groundwater, drinking water from desalinization and also on rain water harvesting in costal districts. Prof. Muraleedhara Upadhyya, former Professor, Poornaprajna College, Udupi, spoke about harnessing drinking water from the sea and different methods of rain water harvesting particularly suitable for coastal areas like vented dams, Kattas etc.

Shri Ratnakumar, Secretary of SSVMET informed that land and water are precious but limited conferences regarding Conservation and management of water with special emphasis on coastal districts to update knowledge. Principal Dr. Tirumaleshwar Bhat informed students to use water judiciously in the campus Dr. Sandeep Nayak gave presentation on World water theme-“Groundwater: making the Invisible Visible”