

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.

ACTIVITIES CONDUCTED

GATE 2021 training cum mock test program "SWADHYAYA"



The Student Chapter of Indian Society for Technical Education (ISTE) in association with STHAPATHI student club of Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal had organized, GATE 2021 training cum mock test program titled as "SWADHYAYA" from 06 to 11 Jan 2021 at the college premises.

Inaugural ceremony of the event was held on 06th Jan and Ms. Pallavi M, PG Scholar, NITK, Surathkal was the keynote speaker to address the students regarding the preparation and exam pattern of GATE 2021. She also shared her experience while preparing for the exam and motivated the students. In the afternoon session, a pre-training mock test and the subjects were taught by the faculty members of the Civil Engineering Department of SMVITM, Bantakal. On 11th Jan 2021, the valedictory function was held followed by a post training mock test to evaluate the students performance after the training. Dr. Sriram Marathe, Assistant Professor, NMAMIT, Nitte was the resource person and the guest of honour for the event. In his address, he spoke about the advantages of cracking the GATE exam and the opportunities in various sectors under GATE score. He also motivated the students to take up the exam with utmost priority and dedication. Dr. Marathe handed over the GATE 2021 book to Ms. Riya, from final year student of Civil Engineering Department for scoring the highest points in the mock test.

The program was coordinated by Mr. Sooraj Kumar, ISTE Coordinator, & Mr. Madhusoodhan Rao, STHAPATHI student club coordinator, and the program was moderated by Ms. Chaithra Shetty, final year student of Civil Engineering Department. Ms. Shreya Udupa sang the invocation

CERTIFICATION PROGRAM ON REVIT AND 3DS MAX SOFTWARE



The Student Chapter of Indian Society of Technical Education (ISTE) and Civil Engineering Department of SMVITM, Bantakal in association with EduCADD, Udupi organized a certification program on REVIT and 3DS MAX software at the institute premises for the final year students of Civil Engineering Department from 13th April 2019 to 15th January 2021. .Mr. Abhinav, Trainer, EduCADD, Udupi was the resource person for this technical talk. Students became experts in two softwares Revit architecture and 3ds MAX and a total 26 students received certificates from EduCADD after completing projects.

Talk on “Are Human's modern activities a cause of water Scarcity?”

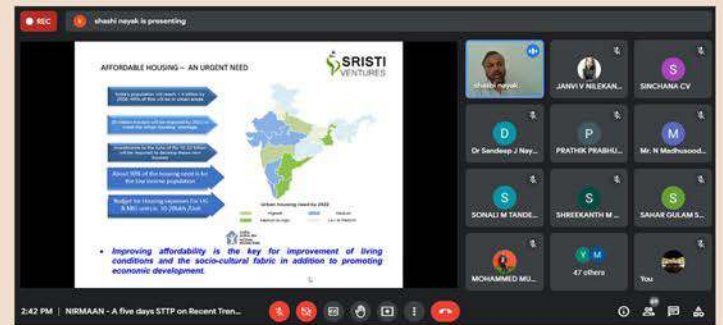
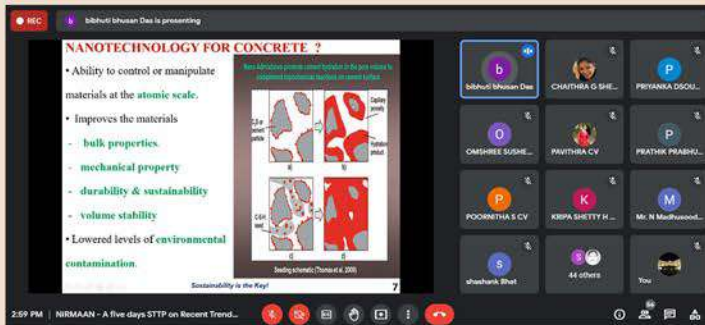


Eco Club in association with Sthapathi, the student club of the Department of Civil Engineering of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, organized a talk on “Are Human's modern activities a cause of water Scarcity” in connection with World Water Day on 22 March 2021.

Mr. Joseph G M Rebello, District resource person for water conservation, Udupi, spoke about the current issues with water that the entire world is facing and the methods adopted by some countries in conserving water for the future. He also gave examples about certain villages in India where they had made a change in the entire system to conserve water in drought affected areas. He also pointed out the various human activities which eventually led to the scarcity of water.

Principal Prof. Dr. Thirumaleshwara Bhat spoke about the significance of World Water Day celebration, its theme and the role of youth in the conservation of water. Ms. Raviprabha K, Eco club coordinator; Vice-Principal, Deans, HOD's, faculty members and students were present during the session. Ms. Chaithra Gopal Shetty of final year Civil Engineering compered the program.

Online Short Term Training Program on Recent Trends in Construction Practice



The Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi in association with ISTE chapter had organized a five day Online Short Term Training Program on Recent Trends in Construction Practice from 28th June 2021 to 02nd July 2021. The Short Term Training Program was organized for the benefit of faculty members and research scholars from various institutions.

Dr. Raghavendra Holla, MIT, Manipal inaugurated the program and addressed the participants on Artificial Intelligence and Building Information modeling in Civil Engineering practice and motivated the students to diversify their skills in advancement. Mr. Shashi G Nayak Dubai, Director & Architect from Shristi Ventures Padubidri gave deep insights on innovative wall construction technology, which is time efficient, economical and also less impactful on the environment. Dr. B B Das, Associate Professor, NITK Surathkal explained the advancement in research area and explained the hydration and microstructure properties of Nanosilica and mixed sustainable cementitious mortar. Recycling of construction and demolition waste and its application in various fields in construction was elaborated meticulously by Mr. Rajendra Kalabhavi, Executive Director, Dakshina Kannada Nirmithi Kendra, Surathkal. On the last day of training, Mr. Viviek Mayya, Co-partner of Samruddhi Associates Mangalore demonstrated the Low cost house construction by brick join technology and other innovative ideas were discussed during his presentation. More than 100 faculty members and research scholars participated in this event.

Dr. Thirumaleshwara Bhat, Principal, Dr. Sandeep J Nayak , HoD were present on the occasion. Mr. Vignesh Shenoy and Mr. Sooraj Kumar coordinated the program, and students of the Civil Engineering Department compered the program.



KSCST Approved Projects 2020-21

Sl. No.	Name of the Project	Name of the Guide
1.	Salt water intrusion -A case study in water quality aspects	Ms. Deepika BV / Dr. Sandeep J N
2.	Sensor based device to determine SBC of soil	Mr. Sunil Haldankar
3.	Maintenance strategies for rural roads of PMGSY in Udupi district : Problems and solutions	Mr.Sunil Haldankar
4.	Digital water purification systems using wireless sensor network	Mr. N Madhoosudhan Rao
5.	Production and performance study on eco friendly green building materials in the construction practice	Mr. Vighnesh Shenoy B
6.	Hydroponic technology as irrigation system and decentralized system of waste water and its reuse in rural agriculture	Mr. Deviprakash

Students Achievement



Mr. Deepak Devadiga student of Civil Engineering has represented “Mangalore Zone” in the Inter Moffusil Tournament 2020-21 matches conducted by Karnataka State Cricket Association, which was held in Bangalore from 4th to 9th January 2021.



Ms. Pavithra student of Civil Engineering has qualified “GATE - 2021” with a SCORE -325 ALL INDIA RANK IN THIS PAPER 18629

Journals & Publication

• Dr. Sandeep J Nayak - Augmentation of Groundwater Recharge through Infiltration Studies in Puttur of Dakshina Kannada District, Karnataka. IRJET Volume 08, 2021.

Workshops/FDPs attended

1. Dr. Sandeep J Nayak has participated AICTE Sponsored 6 days short term training program on “Professional Communication” on 7-06-2021 to 12-06-2021.

2. Dr. Sandeep J Nayak has participated 6 days AICTE sponsored STTP on “Innovative Approachers in Teaching Pedagogy” 14th – 19th June 2021 at SCEM, Mangalore.

3. Dr. Sandeep J Nayak has participated-5. days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28th June to 2nd July 2021 at SMVITM, Bantakal.

4. Ms. Deepika B V has participated 6 days AICTE sponsored STTP on “Innovative Approachers in Teaching Pedagogy” 14th – 19th June 2021 at SCEM, Mangalore.

5. Ms. Deepika B V has participated 5 days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28th June to 2nd July 2021 at SMVITM, Bantakal

6. Mr. Sunil S Haldankar has participated 5 Days FDP current PRACTICES IN TRANSPORTATION ENGINEERING at AJIET , Mangalore From 15 to 19 June 2021.

7. Mr. Sunil S Haldankar has participated 6 days AICTE sponsored STTP on “Innovative Approaches in Teaching Pedagogy” 14th – 19th June 2021 at SCEM, Mangalore.

8. Mr. Sunil S Haldankar has participated 5 days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28th June to 2nd July 2021 at SMVITM, Bantakal.

9. Mr. Vignesh Shenoy B has participated 5 days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28thjune to 2nd July 2021 at SMVITM, Bantakal.

10. Mr. Vignesh Shenoy B has participated 6 days AICTE sponsored STTP on “Innovative Approaches in Teaching Pedagogy” 14th – 19th June 2021at SCEM, Mangalore.

11. Mr. N Madhusoodhana Rao has participated ASCE – ISSR: Web E talk on 19 June 2021.

12. Mr. N Madhusoodhana Rao has participated 5 days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28thjune to 2nd July 2021 at SMVITM, Bantakal.

13. Mr. Roshan S Kotian has participated 5 days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28thjune to 2nd July 2021 at SMVITM, Bantakal.

14. Mr. Sooraj Kumar has participated 5 days STTP on “Recent Trends in Construction Practice” titled as “Nlrmaan” 28thjune to 2nd July 2021 at SMVITM, Bantakal.

15. Ms. Swathi has participated 6 days national online FDP Manan Prabodhanam, Empowering teaching professional a wellness initiative organized by IQAC & Despoiling Amritha Vishwa Vidyapeeth Mysuru campus from 14th to 19th Jun 2021