



AAKAR

Siddirbhavathi Karmajaa

DEPARTMENT OF CIVIL ENGINEERING



SHRI MADWA VADIRAJA INSTITUTE OF TECHNOLOGY

VISHWOTHAMA NAGAR, BANTAKA L-574115, UDUPI DISTRICT, KARNATAKA

NEWS LETTER

Volume 3 Issue 1, 2017-18

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 the global challenges

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 stakeholders so as to achieve excellence in education, research and outreach activities.*



PEOs

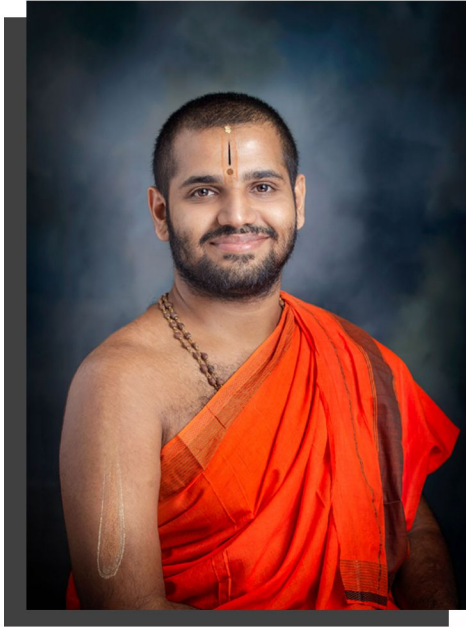
The objectives of the Civil Engineering undergraduate program at SMVITM are to develop civil engineers with the following

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

POs

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



About SMVITM

Shri Madwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal, Udupi :the brain in child of His Holiness Shri Vishwvallabha Theertha Swamiji of Shri Sode Vadiraja mutt, udupi, just six years old, has emerged as a promising engineering institution in the region of coastal Karnataka, today! Shri Swamiji established this institute with the sublime objective of providing quality higher education to the needy student community at affordable cost. Despite the campus being conveniently located in the remote rural area, at 12 Km away from Udupi city, SMVITM ensures that the students are well trained on existing engineering practices and acquainted with latest industrial trends.

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His Holiness Shri Vishwallabha Theertha Swamiji

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FROM THE HODS DESK

The Civil Engineering Department at SMVITM in a short period has witnessed a rapid growth and diversification, which is really strengthening our influence within the student and engineering community. Clearly, few other institutes have such depth and breadth of infrastructure and facilities as at SMVITM. One priority will be to capitalize on these strengths by enhancing our academic, research and outreach programs and by making our combined strengths known such as by enhancing our qualifications and departmental publications, let us also take utmost care in serving the society by extending the expertise and facilities in our institute, and more specially in our Department, so that we also take part in national building.

I Congratulate the efforts of the faculty members and the students of Civil Engineering Department for their untiring efforts in bringing out this first ever Department Magazine "Aakar". The Department of Civil Engineering at SMVITM is an extraordinary department with excellence students, faculty, and staff. I look forward to working with our Management, Governing Council Advisory Board, Principal, members of the SMVITM Family, and our alumni to continue to improve research, teaching, and outreach programs over the next several years, This newsletter highlights few of these activities.

Mr. Anand.V. R

Associate Professor & Head

Department of Civil Engineering

Shri Madhwa Vadiraja Institute of Technology & Management





TECHNICAL LECTURES AS A PART OF “ENGINEERS WEEK 2018 AT SMVITM, BANTAKAL

The Student Chapter of Indian Society for Technical Education (ISTE) under civil engineering department in association with Association of Consulting Civil Engineers(ACCE), Mangalore centre had organised “Engineers week programme. Prof. Raghavendra K. Holla, Asst. Director – Development, MIT, manipal addressed the gathering regarding “Financial management of live projects”. Speaker stressed more on the projects he handled in his carrier and explained the technique used in handling the individual construction site with proper financial management due care taking of safety aspects.

The second resource person for the day was Prof. Ravindranath, Assistant Professor- Selection Grade, Department of civil engineering, MIT, Manipal. He addressed the talk on “Bio Concrete” and “Self healing concrete”. The session was purely technical regarding the manufacture of bio concrete and its useful application in present day construction.





TECHNICAL DEMONSTRATION OF APPLICATION SOFTWARE ORGANISED AT SMVITM BANTAKAL

The Student Chapter of Indian Society for Technical Education (ISTE) in association with EduCADD, Udupi Local Centre and Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organised technical demonstration of application software at the institute premises on 12th March 2018.

Mr. Abhinav, Civil CAD trainer, EduCADD Udupi delivered a technical demonstration on application software in Civil Engineering. In the beginning Mr. Abhinav demonstrated building information modelling software Revit Architecture in which various features available in the software was briefed to the students. Continuing the session Mr. Abhinav explained about 3ds Max, structural designing software which is used for exterior and interior designing. Later on Mr. Harish Nayak, Institutional alliance Manager, EduCADD Udupi provided information regarding various application software's in civil engineering which will help the students in shaping the better future. The feedback was taken from the students at the end of the session.



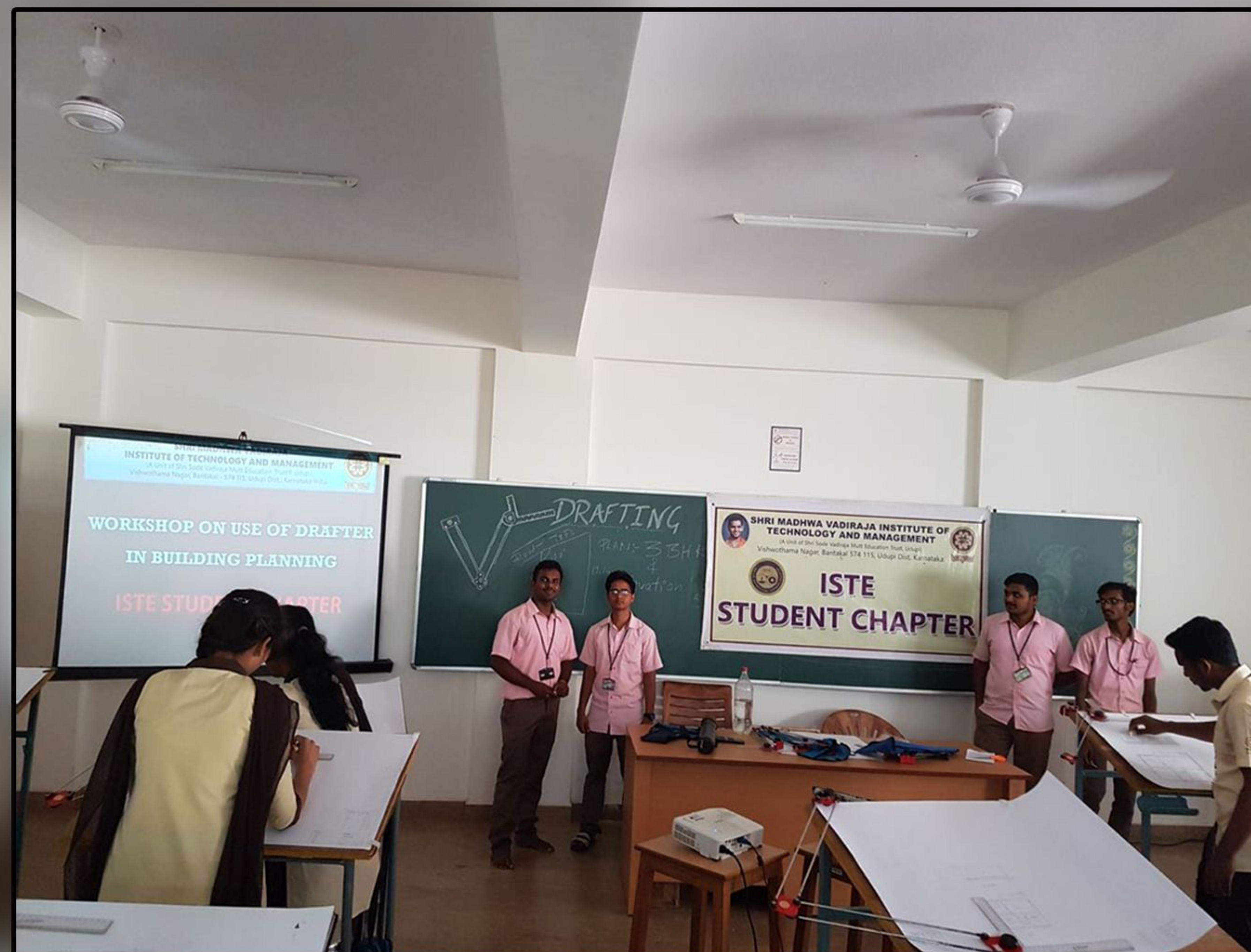
TECHNICAL TALK ON CONSERVATION OF WATER ORGANISED AT SMVITM, BANTAKAL

The Student Chapter of Indian Society for Technical Education (ISTE) under civil engineering department had organised a world water day celebration programme. Dr. A. Ganesh, Professor & Associate Director at International Centre for Applied Sciences (ICAS), Manipal Academy of Higher Education (MAHE), Manipal was the chief guest of the day.

The programme started with planting a tree by the chief guest as a symbol of afforestation. Later Saffa, student from the Department of civil Engineering welcomed all to the world water day Ceremony. The programme went on with introduction of chief guest which was read by Chaitra G Shetty, student from 4 th SEM civil engineering.

Dr. Ganesh A delivered a technical talk on conservation of water to the gathering. He discussed the significance of water in our day to day life. With the say that "Charity begins at home" he conveyed every individual should use the water in a very systematic way instead of using it lavishly.

After the talk the winners of the Model Making Competition related to the topic "Application of Water" which was held in the morning was announced. The students from various branches showed their interest by participating in the programme. The judges appreciated the models done by the students and encouraged them with their motivating words. The programme got concluded by proposing vote of thanks by Safaa.



TECHNICAL DEMONSTRATION OF USAGE OF DRAFTER IN PREPARING BUILDING DRAWINGS

The Student Chapter of Indian Society for Technical Education (ISTE) UNDER Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organised technical demonstration of use of drafter in preparing building plans at the institute premises on 24th March 2018.

The students from the final year civil with the self-interest taught to the pre-final year students to use the drafter in drawing building plans, elevation and sections. A simple residential plan of two bedroom was taken for drawing the plan and elevations. From the very outset the fixing of drafter to board, to set the perpendicular was taught.

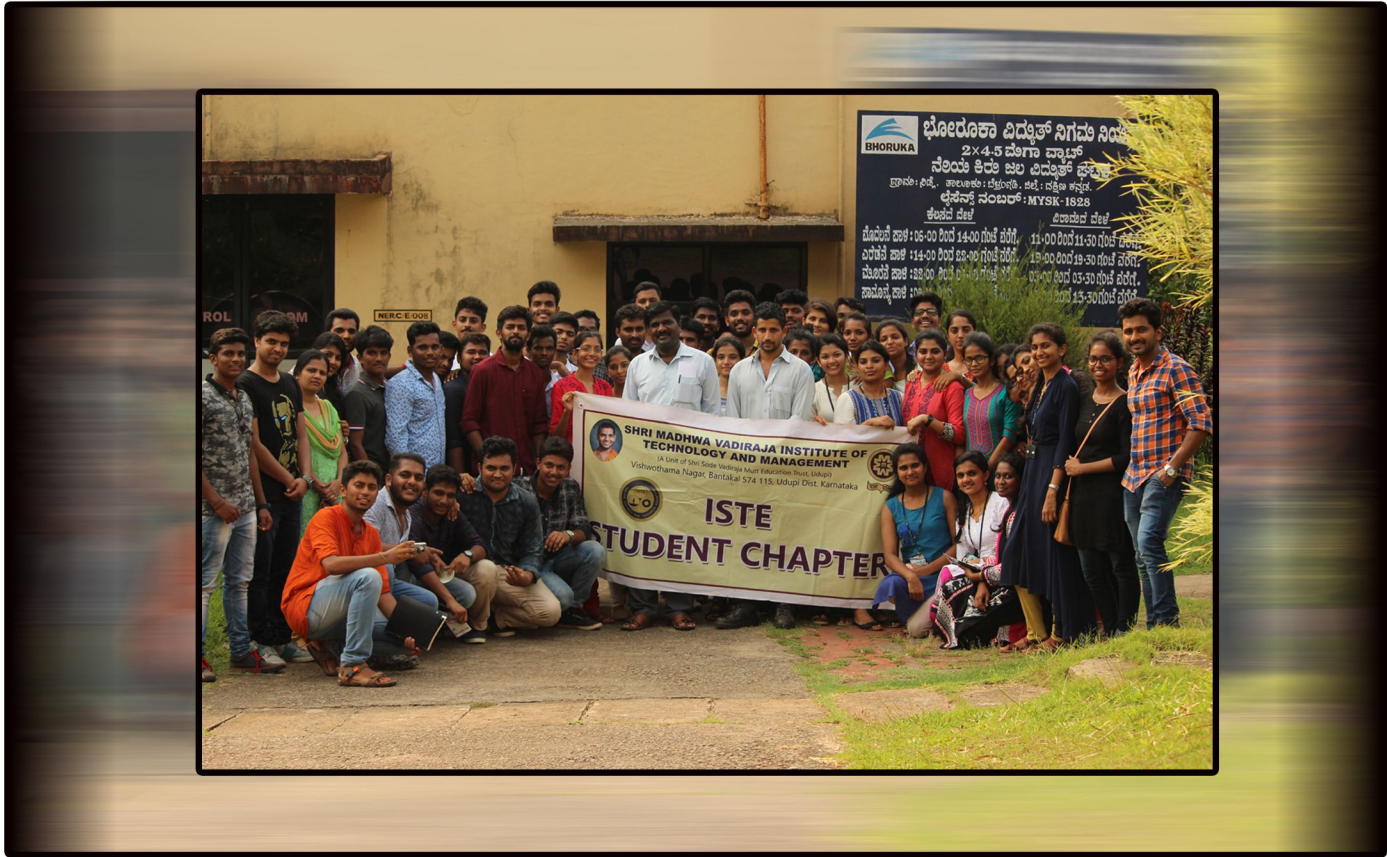
In the afternoon session to encourage and motivate the students a competition was held, separately for regular students and diploma students. The prize was selected by giving weightage to scale, neatness and accuracy.



The Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal in association with simply supported Mangalore, organised a technical talk titled “Advanced Scaffoldings” at the institute premises on 21st March 2018.

Architect Ashok Mendonca from Mendonca Association addressed about the organisation “SIMPLY SUPPORTED” and the talk was mainly focussed on importance of industrial sector in relation to the academics. The efficiency using manpower along with the time management by using sophisticated equipment’s was addressed. The talk was attended by 125 students along with the faculty members.

Mr Anand V R, Head of the Department of Civil Engineering and faculties were present during the occasion. Ms. Anusha L Shetty, welcomed the gathering and Ms. Anjumol Raju introduced the resource person to the gathering. The talk concluded with formal thanks giving ceremony.



The Student Chapter of Indian Society of Technical Education (ISTE) and Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal had an industrial visited to Bharuka power Project Private Limited, Neriya and Vermi compost system, Dharmastala on 25th April 2018.



The Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal in association with simply supported Mangalore, organised a technical trip 'Palm streak' a new luxury apartment project by Northern Sky Properties Pvt Ltd at Bejai, Mangalore. The name so called Palm Streak because the floor plan resembles the structure of a palm leaf and all the apartments arranged like the radiating leaves.

On the day of the program i.e, on 21st April, , Mr. Anirudha Rao sir has Explained about the construction procedure and gave a clear idea about project management , then he showed some visuals based on emerging revolutions in the construction field of civil engineering. this helped us in improving our Knowledge.

This Technical trip gave the idea about actual scenario in the civil engineering field. It gave us a thought to think about which direction to go after graduation. This programme also bridge the gap between the industry and institute. We can say that a civil engineers has to plan, design, organize, execute, maintain and market his works. The main requirement to do above is knowledge and skill.



National Conference on “Emerging Trends in Science and Engineering” (NCETSE-2018) on 28-27- April 2018 was jointly organised by Civil, Mechanical, Electronics And Computer Science Departments to bring the experts an research from academia. R & D centres and Industries Working in the emerging Fields of science and Engineering together and provide them a platform for interacting and sharing their research finding.

Dr. I. Ramesh Mithanthaya, vice principal of NMAIT, Nitte and Dr. Palakshappa, HOD of Civil Engineering Department, PA College of Engineering, Mangalore was the Chair persons for the Paper Presentation in Civil Engineering Stream.



TECHNICAL DEMONSTRATION ON APPLICATION OF STADDPRO SOFTWARE

The Student Chapter of Indian Society for Technical Education (ISTE) UNDER Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organised technical demonstration of use of drafter in preparing building plans at the institute premises on 28th April 2018.

Mr. Deviprakash, Faculty in civil engineering delivered a technical demonstration on application STADD PRO software in Civil Engineering.



The Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal in association with simply supported Mangalore, organised a technical trip 'Palm streak' a new luxury apartment project by Maniapal.

This Technical trip gave the idea about actual scenario in the civil engineering field. It gave us a thought to think about which direction to go after graduation. This programme also bridge the gap between the industry and institute. We can say that a civil engineers has to plan, design, organize, execute, maintain and market his works. The main requirement to do above is knowledge and skill.





Mr. Sanjay of 8th Semester Civil Engineering department was recognised as "Best Outgoing Student Award - Shri Madhwa Vadiraja Prashasthi" for the year 2017-18 during Annual Day Celebrations of SMVITM.



Faculty Achievements in Civil Engineering Department



FINAL YEAR PROJECT EXHIBITION





Department of civil Engineering

SHRI MADWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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

Viishwothama Nagar, Bantakal-574115, Udupi District, Karnataka. India

SMVITM: Where Values & Technology



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Siddirbhavathi Karmajaa