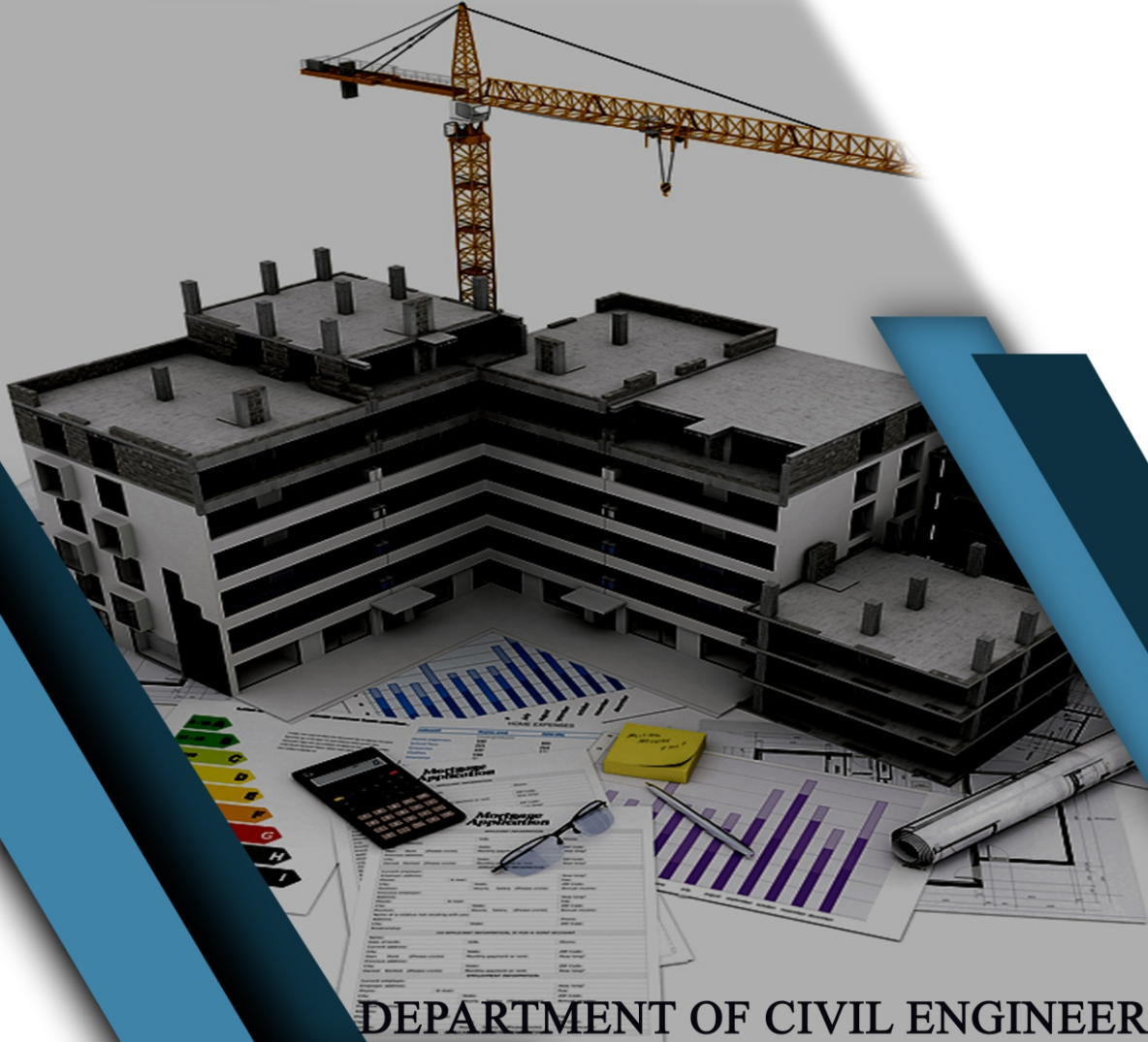




प्रज्ञा प्रतिष्ठा



Siddirbhavathi Karmajaa



DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER

Volume 4 - Issue 1, 2018-19

SHRI MADWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
VISHWOTHAMA NAGAR, BANTAKA L-574115, UDUPI DISTRICT, KARNATAKA



His Holiness Shri Vishwallabha Theertha Swamiji

About SMVITM

Shri Madwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal, Udupi :the brain in child of His Holiness Shri Vishwavallabha 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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FACULTY COORDINATES

1. Mr. Anand V.R
2. Mr. Soorajkumar

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*



PROGRAMS BY ISTE



The student Chapter of Indian Society of Technical Education (ISTE) in collaboration with Nirmiti Kendra, Udupi organized a technical talk on **Green Building and sustainability- EDGE certification and hands on training of EDGE Software** at the institute premises on 28th September 2018. Mr. Deepak Gulhati , Certification Team Lead, Green building council of India (GBCI) was the eminent resource person for the event.

As a part of **TECHNOWEEK-2018** a technical talk was conducted in collaboration with Association of Consulting Civil Engineers (India) Mangalore Centre and The Ramco Cement limited by the ISTE student Chapter of SMVITM, Bantakal on 27th September 2018. Dr. M C Narasimhan, Professor of Civil Engineering NITK, Surathkal delivered a lecture on **“Sustainability in Concrete construction”** and Dr. Rajesh D’Souza , The Principal of Yenepoya Institute of Technology , Moodabidri delivered a talk on **“Advances in Concrete Technology”**.



The Student Chapter of Indian Society of Technical Education (ISTE) and Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal in association with EduCADD, Udupi organised a Technical talk titled **“Introduction to 3D-Studio Max”** at the institute premises on 18 September 2018.



The Student Chapter of Indian Society of Technical Education (ISTE) and Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organized an attractive wall hanging/ chart making competition titled as CONCHART to give an opportunity for the creative students.



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PROGRAMS BY ISTE



The Student Chapter of Indian Society of Technical Education (ISTE) and Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal in collaboration with Simply supported mangalore Pvt. Ltd organized an industrial visit to Palm streak, Mangalore



The Student Chapter of Indian Society of Technical Education (ISTE) and Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal in collaboration with Simply supported Mangalore Pvt. Ltd organized an industrial visit to Mak Park Square at Mangalore and RMC Plant at baikampady, Mangalore



Eco club and Community club of Civil Engineering department of SMVITM, Bantakal organized an awareness talk on “Water conservation and Rain water harvesting “on 3rd October 2018 for the Bantakal village people. The program was followed by Vanamostava celebration, where five plants were planted in SVH PU college, Innanjan ground to initiate the awareness in the society.



Community club and Eco club of Shri MadhwaVadiraja Institute of Technology and Management, Bantakal, organised campus and street cleaning program from SMVITM to Bantakal bus stop on 29th September 2018. The event was organised in the run up to the fourth anniversary of Swachh Bharath Mission and 150th year celebrations of Mahatma Gandhiji's birthday on 2nd October 2018





Eco club and community club of Civil Engineering Department of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, organised a street play at Katpady on the theme “ Environmental Protection and Plastic Ban” on 5th October 2018. SMVITM students participated in the street play with an objective to create awareness amongst the public, the importance of greenery and planting more trees in order to reduce environmental pollution for the survival of animals and mankind.



Eco club in association with Community club of Civil Engineering Department and Placement Department of SMVITM, Bantakal jointly organized a talk on IRA Smart Bins. The Talk was given by Mr. Chitransh Srivatsav, Founder, CEO of IRA Smart Bins on 7th October 2018. He illustrated the working mechanism of smart bins and gave a insight of how smart bins can be implemented in the educational institutions

A FACULTY DEVELOPMENT PROGRAM ON “WATER RESOURCES, GEO-ENVIRONMENTAL CHALLENGES AND ITS APPLICATION”



Eco club- “Prakriti” of SMVITM in association with department of Civil Engineering and ISTE Faculty Chapter had organized a 3 day Faculty Development Program on “Water Resources, Geo-Environmental Challenges and its Application” from 12 June to 14 June 2018 with the objective of enhancing the knowledge of the faculty members and giving them better insights into the different aspects of the Water Resources and Geo-Environmental Challenges of present decade, with special emphasis on water crisis and remedial measures.

The program was inaugurated on 12 June 2018 by Dr. Laxman Nandagiri, Professor of Applied Mechanics and Hydraulics NITK, Surathkal. In his keynote address, he elucidated the importance of water to the mankind, Geo-environmental studies and conflict on water between various states and countries.

Sri. Ratnakumar, Secretary, SSVMET, presided over the function and addressed that Engineers have to relate the science and technology used in ancient time for the challenges faced due to natural calamities in present days.

On the Day-1, Morning session titled “An overview of Indian water resources scenario and water management issues”, Dr. Laxman Nandagiri, Professor of Applied Mechanics and Hydraulics, NITK, Surathkal illustrated Nuances of water Resources, information

on percentage of water availability at present and future trend, water management issues, case studies on Cauvery River basin and Models and simulation techniques.

In the Afternoon first session, Mr. Shree Padre, well known as, Rain Man of Canara Coast, Puttur, delivered a talk on “Water table Decline-Causes and strategies for manage”. He elaborated on ground water recharge, earthen bunds, check dams, water conservation in daily basis and case studies in Karnataka, Kerala, and Rajasthan states.

In the Afternoon Second session Dr. Gangadhar Bhat, Professor, Mangalore University, spoke on “Catchment hydrology management using remote sensing and GIS”. He briefed on digital elevation models and remote sensing, Aerial photography, data analysis in remote sensing. He concluded the session by providing information regarding watershed development and management.



On 13 June, Morning first session Dr. Uday Kumar, Prof. & Head of Civil Engg. NMAMIT, Nitte spoke on “Methods and approaches to solve contemporary problem in water resource management using data mining”. He elaborated on water flow characteristics in lateritic soils as well as in rocks. He gave an overview of subsurface barrier, and its functions with few Case studies.

In the morning second session Dr. Sandeep Nayak, Professor and Head, Civil Eng. VCET, Puttur, spoke on “Ground water for small scale irrigation”. He explained about the irrigation schemes implemented in Uttar Kannada District and characterization of ground water aquifer parameters.

A FACULTY DEVELOPMENT PROGRAM ON “WATER RESOURCES, GEO-ENVIRONMENTAL CHALLENGES AND ITS APPLICATION”

In the afternoon first session Dr. Ramesh H, Assistant professor of Applied Mechanics and Hydraulics NITK, Surathkal spoke on “Environmental impact of soil and water contamination”. He started his session with the concepts of soil profile, causes for soil contamination and importance of Bio-remediation factors.

In the noon second session, Dr. Dwarakish, Dean(Academics), NITK, Surathkal delivered a talk on the topic “The impact of global change on soil erosion and sediment transport by rivers”.

He emphasized on Remote Sensing satellite system, causes of soil erosion and remedial measures in coastal region and case studies on breakwater.

On 14 June morning first session, Dr. Ganesh A. Assistant Director, ICAS, Manipal, spoke on “Impending water crisis in India”, He stressed on how to cope up with water and some of the ground water recharge techniques.

Morning Second session was engaged by Dr. T.V Ramachandra, Professor Centre for Ecological Science, IISC Bangalore gave a talk on “Environmental consequences on agricultural development”. He elaborated the importance of water, how to deal to fulfill the demand of future needs, ecological imbalance and sustainable energies.

And in the afternoon session he gave a talk on how to “Beat the plastic pollution” by giving some classical illustration of plastic pollution and concluded the talk with the importance of rejuvenation of lakes inside the schools and colleges.



INNOVATION CLUB



Third semester Civil Engineering student Abhijith Serigara gave a technical talk on Robot Mechanics and Basic Ideology of model making. The seminar was based on the topics related to robotics, Model making and arduino since all these are vital factors for building any bot.

STUDENT ACHIEVEMENTS

1. Munjunath Neelappa Godi from third year Civil Engineering department has participated in Forum Purple Run and secured first place in 10Km marathon run by finishing it within the time of 38 minutes.



2. Students have participated NPTEL Online Certification course on Digital Land surveying and mapping (DLS&M) and received merit certification

1. Srivarsha Rao K 5th sem
2. Nithilesh Udupa 5th Seme
3. Keerthana Carsta 5th sem
4. Sneha Prakash Nayak 7th Sem
5. Anvitha 7th sem

LIST OF MEMORANDUM OF UNDERSTANDING SIGNED BY CIVIL ENGINEERING DEPARTMENT SMVITM, BANTAKAL-2018

SMVITM Signed MoU with Purpose of the MoU

1. EduCADD, Udupi Conducting REVIT Architecture and PRIMAVERA Courses for students



2. Simply supported Pvt. Ltd. (SSPL) Mangalore Modern industry practices, techniques and technology



SMVITM: Where Values & Technology

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

