



TVAKSATI



Half-Yearly News letter

DEPARTMENT OF CIVIL ENGINEERING

Issue #12; July - December 2021



Vision:

To be an Exemplary Centre, disseminating quality education and developing technically competent civil engineers with professional integrity for the betterment of society.

Mission:

- To impart technical proficiency through quality education.
- Motivate entrepreneurship through enhanced industry-interaction and skill-based training.
- Inculcate human values through outreach activities.

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FROM HOD'S DESK

I am happy to note that the department of Civil Engineering is bringing out the Newsletter TVAKSATI in every six months to showcase the department activities. I hope this newsletter will throw insight on department activities such as workshops, seminars, industrial visits, academic performance of the students and other co-curricular and extra-curricular activities. This newsletter also provides a platform for highlighting the achievements of students and faculty members of Civil Engineering Departments. I congratulate the editorial team members for bringing out this newsletter. I wish all the best for future endeavor.



Dr.H.N.RAJKUMARA



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT BENGALURU 560 064
Autonomous Institute affiliated to VTU, Belagavi, Approved by AICTE, New Delhi,
Accredited by NAAC with 'A' Grade and accredited by NBA
Institution ID: 1-4152591

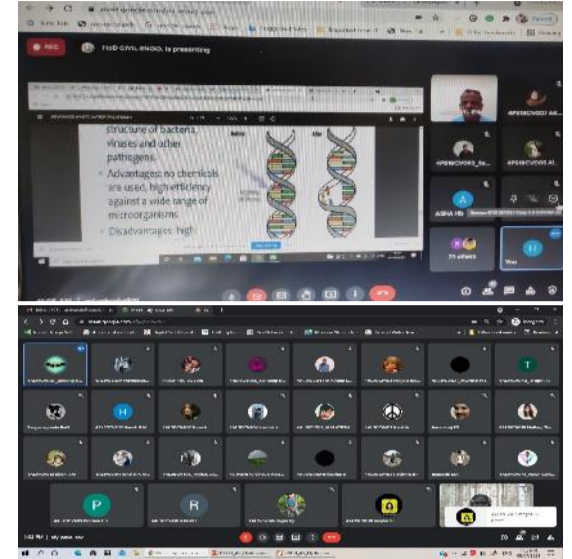


BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT BENGALURU 560 064 / AICTE APPROVED / AICTE FORM DS-32 (2021)

TECHNOSPACE

Faculty as Resource Person:

- Dr. Rajakumar H N, Professor, Department of Civil Engineering extended their support as Resource person, delivered expert talk on “**Sustainable Solid Waste Management Options for India**” on 19.07.2021 for PES College Mandya.
- Professor Archana K, Assistant Professor, Department of Civil Engineering has extended delivered a technical talk on “**Hydropower & Sustainability**” for 4th sem Civil Engineering students, Alva’s Institute of Engineering & technology , on 07.08.21 through google meet - [sfy-pxyo-csv](https://meet.google.com/sfy-pxyo-csv)
- Dr Rajesh Gopinath, Associate Professor, Dept. of Civil Engineering, was one among the Panelists organised by RICS for the Discussion upon the topic "BUILT ENVIRONMENT EDUCATION IN POST-PANDEMIC WORLD', on 03.09.2021



MoUs/Awards/Recognitions:

- MoUs signed with **Construction Management Training and Management and BMSIT&M** on 30.08.2021, Coordinated by Dr.Rajakumara H N Professor and Head, Department of Civil Engineering.
- MoUs signed with **Design Mentors and BMSIT&M** on 30.08.2021, Coordinated by Dr. Rajakumara H N , Professor and Head, Department of Civil Engineering.
- UG projects under the guidance of Prof.Vinod B R Assistant Professor , Department of Civil Engineering , BMSIT&M have been awarded with Dr S. K. Shivakumar award, with a cash prize of Rs.10,000/- in a competition organized by Karnataka science and Technology Academy (KSTA) Bangalore for their Innovative project titled “ **Plastic tiles with Fireproofing Technology** “by Students from 8th semester - Vikas C, Darshan J , Praveen Kumar D S and Bhuvanesh G .
- UG projects under the guidance of Prof.Vinod B R Assistant Professor , Department of Civil Engineering , BMSIT&M have been awarded with Dr S. K. Shivakumar award, with a cash prize of Rs.10,000/- in a competition organized by Karnataka science and Technology Academy (KSTA) Bangalore for their Innovative Project titled “ **Regulating Water supply to reduce water Wastage and ensure equal distribution of water in rural areas** ” by 4th sem students- Hitesh Gowda R S, Adarsh L, Sridhar H R and Varsha G.
- Dr Rajakumara H N , Professor & Head , Department of Civil Engineering, BMSIT & M , awarded “**Best Reviewer**” for the outstanding contribution to the quality of International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS-2021) during 19.11.21 and 20.11.21 organized by the Department of Civil Engineering, N.M.A.M. Institute of Technology, Nitte, Karkala.

Reviewer for Journal / Conference:

- Professor Archana K, Assistant Professor, Department of Civil Engineering was a reviewer for a paper on “**Vehicular Traffic and air pollution**”, Materials Today Proceedings Journal
- Dr. Lalit Kumar Gupta, Assistant Professor, Department of Civil Engineering, was a reviewer of a paper on "**Engineering Properties of Soda-Lime Glass Powder on Portland Cement CEM IV-B-L Mortar**" for the journal "Cleaner Materials"

Patent/ Copyright

- Prof. Vinod B R, Assistant Professor , Department of Civil Engineering , BMSIT&M Published and Grand a Copyright on: Title of Invention: “**INFLUENCE OF FULVIC ACID AND HUMIC ACID UNDER DIFFERENT WATERING CONDITIONS IN IRRIGATION SYSTEM**”, Registration Number: L-107629/2021, Diary Number: 19142/2021-CO/L Dated: 15.09.2021, Jurisdiction: Chennai, India

Publication of Research Papers

- Dr Deepak M S., Assistant Professor , Department of Civil Engineering , BMSIT&M published paper titled “**Local buckling behaviour and capacities of Cold-Formed Steel Double-I-Box stub and short column sections,**” Structures, Elsevier, (SCI- Q1) Volume 34, 2021, Pages 1761-1784, ISSN 2352-0124, <https://doi.org/10.1016/j.istruc.2021.08.124>
- Dr .V. Athiyamaan, “Admixture-based self-compacted concrete with self-curing concrete techniques a state of art of review”, Cleaner Engineering and Technology,2021,100250,ISSN 2666-7908, <https://doi.org/10.1016/j.clet.2021.100250>.(<https://www.sciencedirect.com/science/article/pii/S266679082100210X>)

TECHNOSPACE

Expert talk:

- An Expert Industry Invited Talk on “Latest Advances in National Building Codes”; was facilitated by CINNOVIL on 12th November 2021 for the Pre-final and Final year Students of Civil Engineering. The talk was delivered by Dr Amith Roy, Director and Scientist-F, Bureau of Indian Standards, Bengaluru Office. The activity was initiated and coordinated by Dr Rajesh Gopinath (Faculty IC- CINNOVIL).
- An Industry Expert Talk under ISTE Banner on the topic “Project life cycle- skills and tools” was organized on 17.07.2021 for the 6 th sem Students 2018 Btech . The Expert Talk was delivered by : Er. Dines Mahendrakar. Project Engineer Bangalore International Airport Limited, Devanahalli, Bangalore. The activity was coordinated by Mr. Vinod B R.



Memorable moments:

- Department of Civil Engineering organized a PBL Project Review on 30th and 31 st July 2021 to exhibit the project work carried out by the students of the IV and VI semester students. The projects exhibited the student’s ability to apply their learning to solve the real-world problems. This semester around 33 PBL batches chose the Civil Engineering PBL and Innovative Solutions for the same through technical and smart methods.

Workshops:

- Dr Rajesh Gopinath Associate Professor, Department of Civil Engineering, BMSIT & M, attended 5 days AICTE -ATAL FDP on “Urban Hydrology”, Organized by College of Technology, G B Pant University of Agriculture and Technology. held between 02/08/2021 to 06/08/2021.
- Mr. Marsh Bandi, Assistant Professor, Department of Civil Engineering, B M S Institute of Technology and Management Attended AICTE ATAL sponsored five-day faculty development programmed on “India’s Strategic Transport Infrastructure Development Projects and Programs” Organized by NITK Surathkal, held Between 16/08/2021 to 20/08/2021.
- CMTI has offered 5 students from final year to participate in Digital Construction workshop which is conducted in December 2021 month for 5 days (online).



Webinar:

- Mr Siddananjaiah, Mechanic, Department Civil Engineering, BMS Institute of Technology and Management has attended a two days Webinar on the topic Foundations for Infrastructure Facilities: Principal and Sustainable Practices organised by Don Basco college of Engineering on 02.09.2021 and 03.09.2021Dr.
- Lalit Kumar Gupta, Assistant Professor, Department of Civil Engineering, BMS Institute of Technology and Management has attended a one-day Webinar on the topic “Digital Transformation in Structural Analysis”, organised by Presidency University, Bangalore in association with Medini, Bangalore on 09.09.2021
- Dr. Chandrashekarappa Agasnalli, Assistant Professor, Department of Civil Engineering, BMS Institute of Technology and Management has attended a one day Webinar on the topic Building Data Dissemination Portals for Your Data, organised by ESRI India on 22.12.2021.

Industrial visit: Atal tunnel project

- We are fortunate and pleased to be the final batch to visit inner core salient features of the ATAL- TUNNEL along with BRO officials and the technical team. During our visit, we gathered a quantum of knowledge and experiences involved in construction of such Mega Structural Project for Our India. We feel proud to be chosen and granted by AICTE for this study tour under YUVAK scheme. We came to know about the construction methodology, processes and obstacles faced in the completion of the project during the briefing session. -STUDENTS

ATAL-TUNNEL-North Portal



Cad lab inauguration:

- Civil CAD LAB was Inaugurated by Honorable Principal- Dr Mohan babu G N, Vic principal- Dr H K Govindaraju, Dean Student welfare - Dr C S Mala, HoD Civil-Dr Rajakumara H N, Faculty In-charge Mrs. Shobha R and Students on 21.12.2021. The occasion was witnessed by Civil Faculty, Staff and Students



STUDENT VOICE



Photography done by **Akshit Jain (3rd sem)**

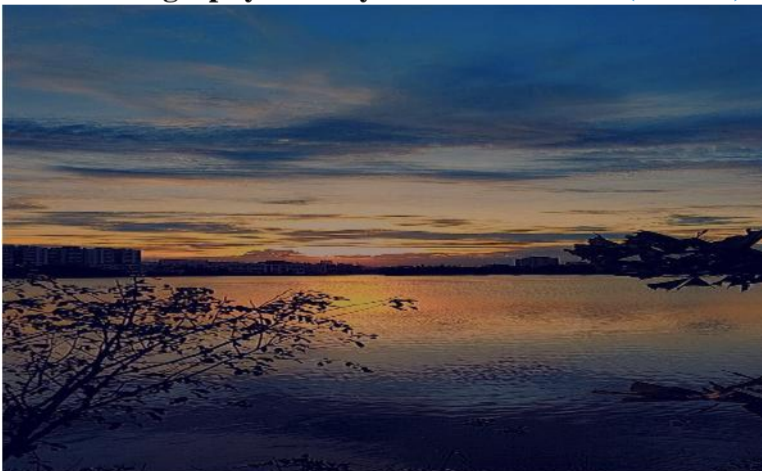


Photography by **Muzzamil Sabir Azeez (3rd sem)**

Oil pastel work done by **P V Sai Dedeepya (3rd sem)**



Photography done by **Yashas D Ananth (3rd sem)**



Student speak by **Prakruthi B Reddy (3rd sem)**

Civil Engineering has always been my passion and it is the motivation and support that I received as a student at BMSIT. "It provides a peaceful atmosphere to learn with the greenery of the trees with the freshness in the air ." The professors of the Department of Civil Engineering are the biggest blessing for any student. From their selfless help to the necessary discipline and their unending encouragement, the professors go above and beyond the call of duty to ensure the academic success of the students.

Thank you.

“UNLOCKING THE LOCKDOWN MEMORIES”

This pandemic came out of a blue and was a very different experience for all the individuals. Many lessons were taught and we learnt different things gradually from this circumstance. Apart from all the worries bordering us, it was a major concern to look after ourselves and people surrounding us.

As students, it was a divergent condition for us, from our routine. We developed a new lifestyle, which was a different kind of experience. Expecting the classroom effect on a laptop screen felt like a mere example of “Expectations hurt!”. Since, it was hard to focus on academics through laptop for a long time. Though online classes had some positive effects like cost effectiveness and ease of attending classes from our comfort zone, it remained incomplete due to lack of discussion and felt more like talking to the laptop screen.

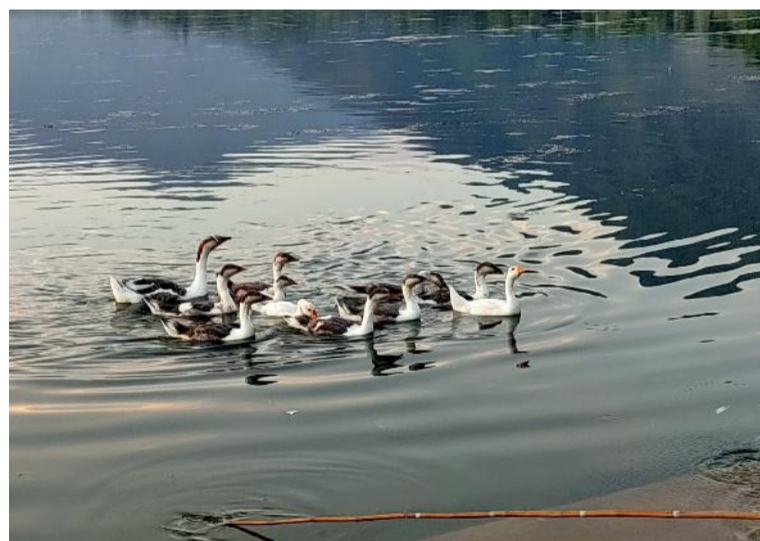
College is a perfect whisk of happiness and hardships. we were freshers, it was overwhelming to meet new friends. By the time we got to experience the joy of college life, the pandemic strike again and we had to experience everything virtually. Though we missed the college life, all this distance was necessary due to health concerns of every individual.

This pandemic also made us to focus on self-care and develop good habits, since we got effective time to make use of. Our daily routine was changed and we got used to it gradually. But there was always a HOPE to get back to our efficient NORMAL OFFLINE DAYS. As time slips by, our life too, changes. It feels contented and delightful to get back to college.

“I personally feel, every bit of college life needs to be experienced whole-heartedly by everyone, which I guess no student wishes to miss.”

Thank you.

Article by **Boomika K V (3rd sem)**



Dal is a lake in Srinagar, the summer capital of Jammu and Kashmir. It is encompassed by a boulevard lined with Mughal era gardens, parks, houseboats and hotels. Scenic views of the lake can be witnessed from the shore line Mughal gardens, such as Shalimar Bagh and Nishat Bagh. It gives a mesmerising view of sunrise and sunsets and is often a place of tourist attraction.

Travel blog: Dal Lake - **Aatina Altaf (3rd sem)**



Painting by **Boomika KV (3rd sem)**

Editorial : Team Tvaksati

Faculty coordinator :

- Mrs. Shimna Manoharan
(department of civil engineering)

Student coordinators:

- P V Sai Dedeepya, Boomika K V
(mail us at tvaksati.civil@gmail.com)