

TVAKSATI



Half-Yearly News letter

DEPARTMENT OF CIVIL ENGINEERING

Issue #11; January - June 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

The department of Civil Engineering @ BMSIT&M is committed to provide quality education to all our students through dedicated faculty members and good infrastructure. Every year the department is conducting many co-curricular and extracurricular activities for both students and faculty to enrich their knowledge and also to meet the expectations of industry skills and knowledge. I am happy to note that the department of Civil Engineering is bringing out the Newsletter TVAKSATI for academic year 2021-22. 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 endeavour.



Dr.H.N.RAJKUMARA

Science Education for Kids

PANEL WITH STEM MENTORS FROM THE SOCIAL SCIENTIST

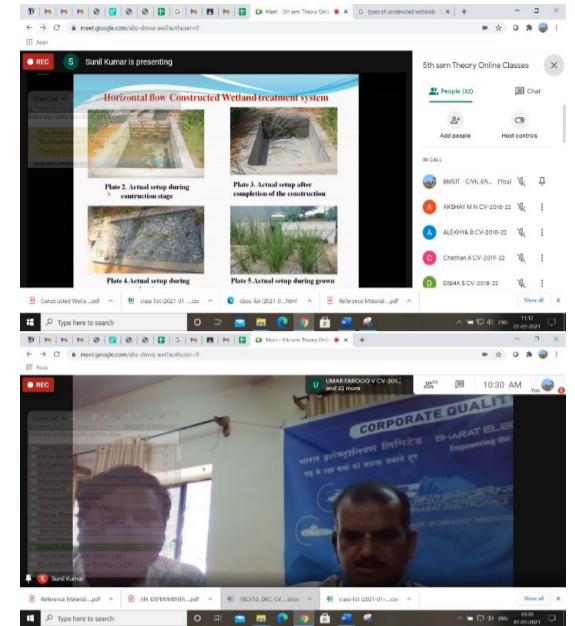
Hanna Zwaka Postdoctoral Researcher Harvard Univ Massachusetts	Shuxuan Zheng PhD Student UMC Utrecht Netherlands	Madison Honer Masters Student Saint Joseph's Univ Pennsylvania
Shimna Manoharan Assistant Professor BMS Institute of Tech India	Ryan Bozer Director of Education SpyFu micro school Arizona	Madhu Sevvana Virology Researcher Purdue Univ Indiana



TECHNOSPAC

Faculty as Resource Person:

- Dr Rajesh Gopinath, Associate Professor, Department of Civil Engineering & Key Liaison-OIKOS); has delivered an Expert Talk on **"Urban Warming: Need for Climate Sustainability in Smart Cities"**, on 11.01.2021, at Human Resource Development Center (HRDC) at Savitribai Phule Pune University, Pune.
- Shimna Manoharan, Assistant Professor, Department of Civil Engineering has extended their support as Resource person for technical talk on **Carbon Footprint - Our responsibilities at Boomitra Sena Club of Marian College**, Thiruvananthapuram, Kerala on 21.06.2021. 85 participants attended the interactive session.
- Dr Athiyamaan, Assistant Professor, Department of Civil Engineering, has delivered an expert talk on **"Concept of Biomimicry in the field of Civil Engineering"** organised by Adi Shankara Institute of Engineering and Technology on 14.06.2021.
- Mr. Vinod B R, Assistant Professor, Department of Civil Engineering, has extended his support as Resource person on the Webinar **"Solid Waste Management by Landfilling"** organized by Department Of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore on 28th May 2021.

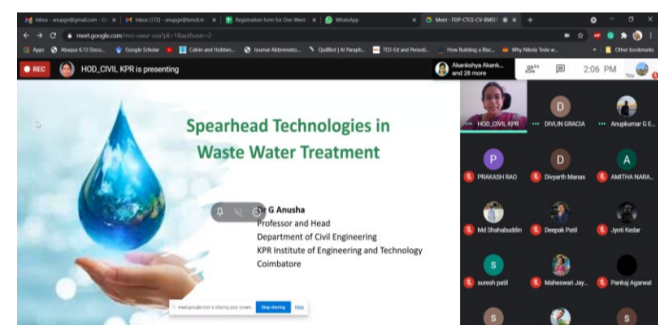
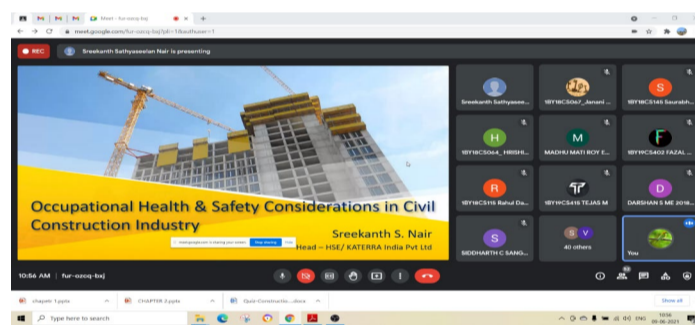


Expert talk organized:

- On 1st January 2021, an Expert Talk on **"Significance and Design Aspects of Constructed Wetlands"** was organised for 5th sem students undertaking the subject Municipal Wastewater Engineering (18CV55). The talk has been conceptualised to sensitise the students and motivate them to explore Advanced Treatment Technologies beyond curriculum. The session was engaged by **Dr Shashibushana HS, Manager-Environment, B.E.L.** The webinar was initiated and coordinated by Dr Rajesh Gopinath (Assoc. Prof -PBL Coordinator, Dept. of Civil Engineering). The session was engaged via the GOOGLE-MEET link: <https://meet.google.com/abs-dmva-awi?authuser=0>
- An Industry Expert Talk on the topic **"Safety Considerations in Construction Industry"** was organized on 09.06.2021 for the Final Year Civil Engineering Student's and the Students of 6th semester undertaking Open Elective 18CV653 (Occupational Health and Safety). The Expert Talk was delivered by Sri. Srikant S Nair, Head – EHS, Katterra Indian Pvt Ltd. The activity was coordinated by Dr Rajesh Gopinath.

EXPERT SPEAKERS

 Dr Pravinjith K. P. Managing Director Eco-Paradigm Environmental Strategies Pvt. Ltd Bengaluru, India	 Dr Ashes Banarjee Institute Post-Doc Fellow Dept. of Civil Engineering Indian Institute of Technology Guwahati, India
 Dr Arekal Vijay Professor Dept. of Civil Engineering K S School of Engineering and Management Bengaluru, India	 Dr N. Divyah Research Associate Government College of Tech., Coimbatore, India
 Dr S. S. Quadri Professor School of Civil Engineering KLE Technological University Hubballi, India	 Mr Rajat Kumar Vaidya Assistant Professor Dept. of Civil Engineering KLE Institute of Tech. Hubballi, India
 Mr Bibhas Bhowmik Civil Structural Engineering Eastern Engineering Project Manage- ment Services (Founder & CEO), Abu Dhabi (UAE)	 Dr Puja Rajhans Assistant Professor Dept. of Civil and Env Engg Birla Institute of Tech. - Mesara Ranchi, India
 Dr Vaibhav R. Chate Associate Professor Dept. of Civil Engineering KLS Gogte Institute of Tech. Belagavi, India	 Dr Anusha G Professor and Head Dept. of Civil Engineering KPR Inst. of Engg. and Tech., Coimbatore, India
 Dr Praveen A. Ghorpade Associate Professor Dept. of Civil Engineering KLE Dr. M. S. Sheshagiri College of Engineering and Technology, Belagavi, India	 Dr G. Beulah Gnana Ananthi Associate Professor, Division of Structural Engg, Anna University, Chennai, India



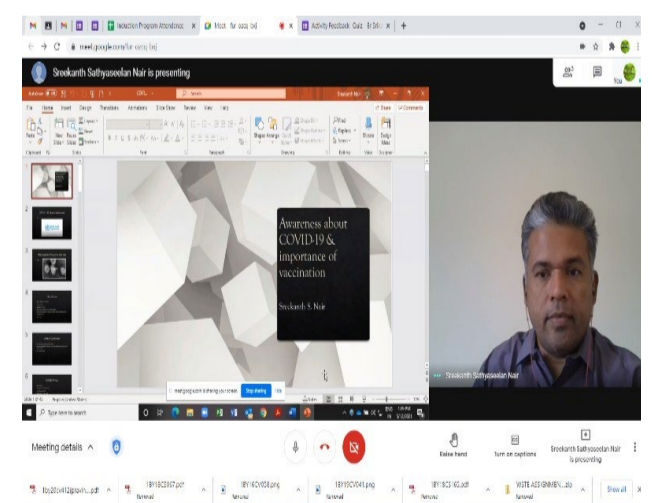
Patent

- Mr Vinod B R got the patent on Application no: 2021101722, Title of Invention: **"An Investigation Of Abrasive Water Jet Machining On Glass Fiber Reinforced Polymers"**, Date of filing: 04-04-2021, Jurisdiction: Australia.
- Dr Deepak M S published a patent on: Title of Invention: **"COLD FORMED STEEL HYBRID DOUBLE T BOX GIRDERS"**, Application no: 202141013917, Date of filing of Application: 29/03/2021; Publication Date: 09/04/2021, Jurisdiction: Chennai, India

Induction Programme

As a part of Academics 7 Days induction programme was conducted for 2nd semester continuation of 1st semester students. It was carried out daily session wise. Details of programme are listed below,

Sl.No	Title of the Programme	Faculty IN-charge
1	Emerging trends in Construction Technology	Mr. Vinod B R
	Career in Civil Engineering	Mrs. Shobha R
2	Communication skills for Engineer	Mrs. Archana K
3	Communication skills for Engineer	Dr Rajesh Gopinath
4	Yoga and Meditation	Dr. Chandrashekharappa Agasnalli
5	Literary activity on Debating	Dr Anupkumar G Ekbote
6	Creativity and Innovation skills for Civil Engineers	Dr. P. Velumani
	Extracurricular Activities (Sports)	Dr. Athiyamaan V
7	Arts and Culture	Mrs. Shimna Manoharan
	Universal Human Values	Dr. Rajakumara H N

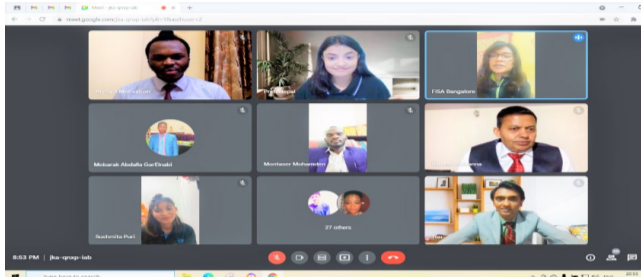


WEBINAR Attended by Faculty

Dr. Rajakumara H N, Professor & HoD, Department of Civil Engineering Attended a one-day webinar on **"South Asian Youth Sustainable Development Virtual Dialogue (SAYSDVD)-2021"** organized by Punjab Energy Development Agency on 05.06.2021.

TECHNOSPACE

- Vinod B R, Assistant Professor, Department of Civil Engineering, B M S Institute of Technology and Management attended one week Faculty Development Program on “**Modern Approach for Structural Design and Construction**” Organized by Department of Civil Engineering, Bangalore Institute Technology, V V Puram, Bangalore-560004, Karnataka held Between 26th April 2021 to 1st May 2021.
- Shobha. R, Assistant Professor, Department of Civil Engineering, B M S Institute of Technology and Management attended One week FDP on “**Modern Approach for Structural Design and Construction (MASDAC)**” organized by the Department of Civil Engineering, Bangalore Institute of Technology, from 26th April to 1st May 2021.
- Dr Velumani P Associate Professor, Department of Civil Engineering, B M S Institute of Technology and Management attended One week STTP on “**A Beeline for Circular Economy through Sustainable Waste Management**” Department of Civil Engineering K.S.R. COLLEGE OF ENGINEERING, K.S.R Kalvi Nagar, Tiruchengode-637 215, Namakkal Dt. Tamil Nadu.
- Dr. Rajesh Gopinath Associate Professor, Department of Civil Engineering and Key Liaison-OIKOS, has participated in the One Day International Webinar on “**Wetland Systems**” organized by Department of Environmental Science, School of Earth Sciences, P.A.H. Solapur University, Solapur (MS) India on Monday, 2.2.2021.



- Anthony Raj, Assistant Instructor, Department of Civil Engineering, B M S Institute of Technology and Management attended a Program on “**Challenges in Design and Construction of World's Tallest Bridge**” on 06th May 2021.
- Ravikiran K C, Assistant Instructor, Department of Civil Engineering, B M S Institute of Technology and Management attended a Program on “**Application of Remote Sensing & GIS in Environmental Management**” on 19th June, 2021.



Online Course Completed

Anthony Raj, Assistant Instructor, Department of Civil Engineering B M S Institute of Technology and Management completed MOOC offered by Johns Hopkins University (Coursera) on “**Measuring and Maximizing Impact of COVID-19 Contact Tracing**” during 5/1/2021 to 5/7/2021

International Journal

Vinod B.R, Shariq Fayaz , Vismaya S, Praveen Kumar D.S. “Impact of nanomaterial on lake soil strength parameters and its application as subgrade an experimental analysis” Materials Today: Proceedings Elsevier ISSN: 2214-7853 , <https://doi.org/10.1016/j.matpr.2021.05.170>, 25 June 2021.

Industry Interaction

Meeting with Swifterz Creative Services Company at IBIS Hotel Bangalore on 8th April 2021 regarding present civil engineering projects in the market, student’s soft skill improvement, internship and placement.

Attendees: Dr Chandrashekarappa Agasnalli
Dr Anupkumar G. Ekbote



Survey camp held for 6th semester students from 29th March to 8th April 2021 at Rajanukunte as a part of the Academics.

MEMORABLE MOMENTS

INAUGURATION

Civil Engineering Department office and faculty room was inaugurated in the lab complex on 31.03.2021 in presence of Chairman, Principal, HoD & Staffs of Department of Civil Engineering.

FRESHER’S DAY PARTY

The purpose of Fresher’s Party is to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. The fresher’s day was initiated by cutting a cake. Senior students arranged many activities for fresher's which include cultural events where everyone got chance to showcase their talent. Even the seniors indulged in various fun-filled activities Refreshments were served at the end of the program.

Achievement

VIKAS.C bearing USN-1BY17CV061 has been awarded with Certificate of Excellence by CONTRIVER (Mysore), for his efforts during the student industry internship from 1st March to 10th April 2021. He has also been **hired** by the firm.



STUDENT VOICE



Artwork by Likith MN (8th Sem)



Photography by Pranay Reddy(8th Sem)



Photography by Sanjay M(8th Sem)

Article by SHUBHASHREE G.R (8th Sem)

“Dreams have the power to change the world”. “Dreams define Destiny”. We all dream. They say, “dream big.” Yes, we do. We follow different path to achieve it that makes us different from all others. While we sleep, our subconscious mind continues to work on problems our conscious mind has failed to solve. “The future belongs to those who believe in the beauty of their dreams.” We have many examples who lit their path by following their dreams. Dmitri Mendeleev, Alfred Russel Wallace, August Kekule, Rene Descartes, Otto Loewi, Louis Agassiz, Neil Bohr, Albert Einstein and many other worked on their dreams and succeeded in their discoveries. Here is a story of a bright boy, born in a poor family of Erode, Tamil Nadu and now known as a famous mathematician. The Hindu goddess NAMAGIRI- who appeared in his mother's dream telling her to allow him to go to Cambridge-had appeared in one of his dreams. Namagiri would appear in his dreams, showing him mathematical proofs, which he wrote down when he awoke. He described one of his dreams as follows. “While asleep, I had an unusual experience There was a red screen formed by flowing blood, as it were. I was observing it. Suddenly a hand began to write on the screen. I became all attention. That hand wrote a number of elliptic integrals. They stuck to my mind. As soon as I woke up, I committed them to writing. He's the one who knew infinity, who credited his 39000 formulae- Srinivasa Ramanujan. The subconscious mind is so powerful. Provided the conscious mind absorbs plenty of data while awake, the subconscious mind can process and make sense of data while asleep. Some of the greatest scientific discoveries in history are testament to importance of sleep and dreams in the operation of our minds. Your dreams are your future inventions. You alone can achieve it. Never give up.



Artwork By Narmada D (8th Sem)



Artwork by VARSHA G (4th sem)

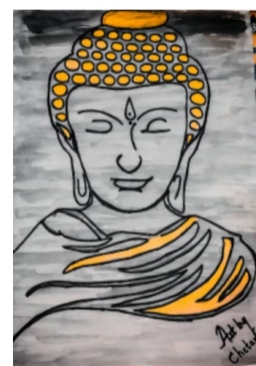


Artwork by Raghavendra Galappanavar (8th Sem)

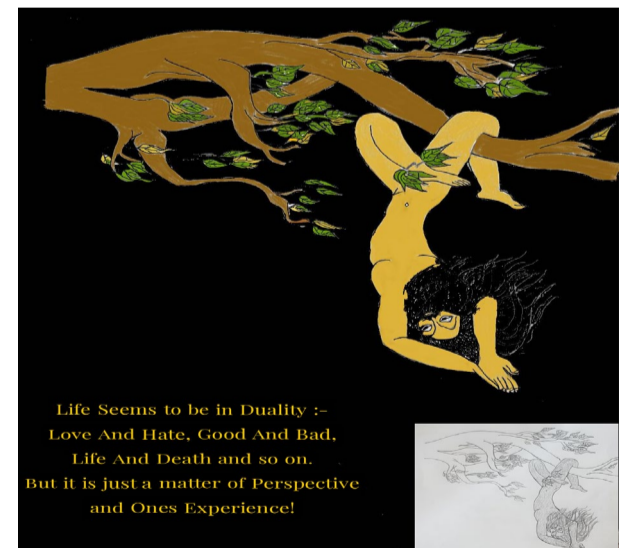
Student Speak by Sanju S.P(8th Sem)

BMSIT &M is one of the best college in terms of preparing its students to excel in all fields. Whatever we wish to learn / experiment is made available. The college and the department gives us a plenty of opportunities to explore in terms of fests, industrial visits, technical talks, survey camp. The college not only concentrates on academics but also gives importance to extra-curricular activities. The student-teacher relationship is so friendly that we never had any hindrance in approaching them at any point and they have been the key reason for any of our achievements. The lush green campus is well maintained. The campus has one of the best teachers, students and labs.

THANK YOU.



Artwork by Chetana Jainapur (4th Sem)



Artwork By SuryaKumar N.A (8thSem)

Student Speak by Lekha Ramanan (2nd Sem)

Even though, it's only been a little ,that is ,over six months since I joined BMSIT to pursue Civil Engineering, I dearly call this institution home... Where friends have already become family and the faculty here is super talented, friendly and approachable. Every day is a new learning experience here at BMSIT, it's a place where there is a perfect balance between learning and fun. Every moment spent here has become a beautiful memory and I'm looking forward to make more. Being part of BMSIT is something that I'm proud of. I never thought going to college on a daily basis ,will be euphoric and that's the magic of BMSIT.

Thank you!

Editorial: Team Tvaksati
Faculty coordinator,
- Mrs. Shimna Manoharan
Department of Civil Engineering
Student coordinators
-Boomika KV, PV Sai Dedeepya
Mail us at tvaksati.civil@gmail.com