



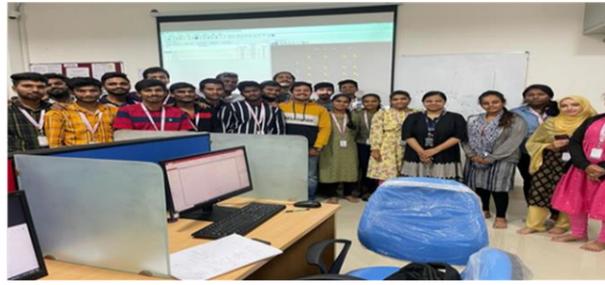
TVAKSATI



Half-Yearly News letter

DEPARTMENT OF CIVIL ENGINEERING

Issue #13; January - June 2022



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.

INSIDE:

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FROM HOD'S DESK

I'm pleased to see that the Civil Engineering Department publishes the TVAKSATI Newsletter every six months to highlight departmental efforts. The department's workshops, seminars, industrial visits, student academic performance, and other co-curricular and extracurricular activities are some of the topics I intend to cover in this newsletter. This publication offers a venue for showcasing the accomplishments of Civil Engineering Department staff and students. I congratulate the members of the editorial team for publishing this newsletter. I send my warmest wishes for your future endeavours.



Dr.H.N.RAJKUMARA

Batch of 2018-2022

Your dedication and hard work have brought you to this wonderful stage of your life. Best wishes for your next journey! To all of our students, we congratulate our lovely students on a job well done with much happiness.



TECHNOSPACE

Faculty as Resource Person:

Dr. Lalit Kumar Gupta, Assistant Professor, Department of Civil Engineering has delivered a talk on "An Approach to Produce Sustainable Cement Mortar with Granite Powder" in Faculty Development Program on "Materials for Sustainability of Transportation Infrastructure" organised by Vivekananda Institute of Technology, Jaipur on 02.02.2022.

Dr. Vibha Venkataramu, Assistant Professor, Department of Civil Engineering has delivered a talk on "Industrial wastes as a potential resource for construction materials" during the Faculty Development Program on "Green Concrete Technology 2022" organised by Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Chennai, on 25.02.2022

Dr Rajesh Gopinath, Associate Professor, Department of Civil Engineering, BMS Institute of Technology and Management was one among the resource persons in The ECOR Foundation's "Raise your Voice for Nature", on 22.05.2022 (International Day for Biodiversity). On this and has delivered an Expert Excerpt on "Land of Dying Lakes".



Faculty Awards

Dr Rajesh Gopinath (Associate Professor, Department of Civil Engineering) has won the best BEST PRESENTER OF THE CONFERENCE AWARD for his paper "Design and Development of Sensor-Based Cost-Effective Prototype for Early-Warning and Monitoring of Urban Floods in Smart Cities"; in the Online International Multidisciplinary Conference On Recent Trends in Environmental Science and Management Conference, which was conducted on 06.08.2021 and 07.08.2021. The award was announced in Feb 2022, after 6 months long scrutiny by an International Award Selection Committee. The conference was jointly organised by the Department of Environmental Science, KTHM College - MAH, India, in Collaboration With Brazil Chapter – Brazil Chapter - International Youth Society, Australia.

Reviewer for Journal / Conference:

- Dr Deepak M S Assistant Professor BMS Institute of Technology and Management, Bengaluru, Karnataka, India has served as Reviewer in the INDIAN STRUCTURAL STEEL CONFERENCE organised by Structural Steel Research Group, IIT Hyderabad held from 06.01.2022 to 08.01.2022 January 2022. organised by Structural Steel Research Group, IIT Hyderabad held from 06.01.2022 to 08.01.2022
- Prof Vinod B R ,Department of Civil Engineering, was a reviewer of a paper on "Effect of aloe vera natural fiber orientation on the mechanical properties of developed composites " Advances in Materials and Processing Technologies" Taylor & Francis.

Faculty Internship:

Dr. Marsh M. Bandi, Assistant professor, Department of Civil Engineering, BMS Institute of Technology and Management has undergone 10 days faculty Internship on AutoCAD Civil 3D from 14.03.2022 to 25.03.2022 at CADD CENTER, Yelahanka, Bengaluru.

Dr. Lalit Kumar Gupta, Assistant professor, Department of Civil Engineering, BMS Institute of Technology and Management has undergone 10 days faculty Internship on VRay with Revit from 14.03.2022 to 24.03.2022 at CADD CENTER, Yelahanka, Bengaluru.

Dr. Athiyamaan V., Assistant professor, Department of Civil Engineering, BMS Institute of Technology and Management has undergone 10 days faculty Internship on BIM with Revit from 14.03.2022 to 24.03.2022 at CADD CENTER, Yelahanka, Bengaluru.

Publication of Research Papers

• Dr Aruna. G, Associate professor Department of Civil Engineering, BMS Institute of Technology and Management has published a paper in ESCI and SCOPUS indexed journal, titled "Cold-Formed Steel Equal Angles with Complex Edge Stiffeners under Axial-Compression Laboratory Testing, Numerical Simulation, and Design", Practice Periodical on Structural Design and Construction, DOI: 10.1061/(ASCE)SC.1943-5576.0000678

Prof Vinod B R and Prof Shobha R ,Department of Civil Engineering, BMS Institute of Technology and Management has published a paper on "Experimental Study on Alternative Building Material Using Cement and Stone Dust as Stabilizers in Stabilized Mud Block" in Springer Nature, Proceedings of International Conference on Innovative Technologies for Clean and Sustainable Development (ICITCSD – 2021) pp 267–277, DOI: 10.1007/978-3-030-93936-6_21

Rajesh Gopinath (Associate Professor, Dept. of Civil Engg.) has published a Handbook on Flora and Fauna of the Green Campus of BMSIT&M. The book is titled NATYRA with ISBN-978-93-5593-203-7, and its 1st and 2nd Volume; detailing records of Lepidoptera and Odonata, was released on 22nd April 2022.

Dr. Rajesh Gopinath Associate professor, and Prof Shimna Manoharan, along with Students [M Likhith, PG Bhuvan, Ranuva Kailash and M Akash] have published a Research Paper "Augmentation of Soil-Moisture Retention with Natural Hydrogel Extracted from Fenugreek Seed Husk for Loamy Soil with Real-Time Monitoring Using FC-28 Sensors, in the International Journal "ECS Transactions, Vol. 1, Issue 1" in April 2022;

TECHNOSPACE

Expert talk:

- A technical Talk was arranged for the 6th semester Students undertaking the Open Elective "OSHA 18CV653" on 25.05.2022. The expert Industry Lecture was engaged by Shri Gowtham Ravindran, Third Engineer, Stena Bulk. The topic concept "Personal protective Equipment's in a Ship" was beyond curriculum. The learning exercise was organised and coordinated by the course coordinators **Dr Rajesh Gopinath** and **Mrs Shimna Manoharan**. A total of 108 students have benefited from this program.



Webinar Conducted under ISTE Banner

A webinar was conducted under ISTE Banner on the topic "Expert Guidance to Crack Civil Service and other Competitive Exams" was organized on 25.05.2022 for the 6th sem Students 2019 Btch . The Expert Talk was delivered by : Ms. Pavithra G S . , Statistical Inspector at the Directorate of Economics and Statistics, Govt. of Karnataka. The activity was coordinated by **Mr Vinod B R** Assistant Professor, Department of Civil Engineering, BMS Institute of Technology and Management.

A webinar conducted on Intellectual Property Rights and its Protection in India

- A webinar was conducted on the topic "Intellectual Property Rights and its Protection in India" was organized on 31.05.2022 for the 2nd , 3rd , and 4th year Civil Engineering students. The Expert Talk was delivered by Dr.Piyush Kumar Pareek. Professor (CSE) & Head (IPR CELL) at Nitte Meenakshi Institute of Technology, Bengaluru. India. The activity was coordinated by **Mrs Shobha R & Mr Vinod B R**, Assistant Professor(s) and **Mr. Ravikiran K C**, CADD Lab technical staff, Department of Civil Engineering, BMS Institute of Technology and Management.

Industrial Visit:

Department of Civil Engineering organized Educational Industrial Visit for the 6th Sem students from 27.05.2022 to 29.05.2022 for 3 days to gain knowledge, exposure, and inspiration for students in the fields of Construction, Manufacturing and Infra-Structure. The significance of this visit is on Hydraulic Structures and Applications. The activity was coordinated by **Dr Deepak M S** Assistant Professor, Department of Civil Engineering, BMS Institute of Technology and Management.

Visited places listed below,

- 1) Linganamakki Dam Power House [Hydraulics Project]
- 2) Mirjan Fort [Architecture]
- 3) Honnavar Beach [AICTE- cleaning activities]

The banner features the BMS Institute of Technology & Management logo and the ISTE logo. It announces a webinar on "Expert Guidance to Crack Civil Service and other competitive exams" on 25-05-2022 at 5:15pm. The speaker is Ms. Pavithra G S, Statistical Inspector at the Directorate of Economics and Statistics, Govt. of Karnataka. The webinar is coordinated by Prof. Kattimani H D. Contact information for Dr. Manoj H M and Mr. Vinod B R is also provided.



Open Course :

Department of Civil Engineering Conducted Open Course for 6th semester students entitled "Home Interior Design using Revit Architecture" from 13.06.2022 to 17.06.2022. And course was coordinated by **Dr. Marsh M. Bandi** and **Dr. Lalit Kumar Gupta** and "Basics of Remote Sensing and GIS" from 13.06.2022 to 17.06.2022. And course was coordinated by **Dr. Chandrashekharappa Agasnalli** and **Mrs. Archana K.**



ICE CAREER DEVELOPMENT EVENT

- On 20.05.2022, the department of Civil engineering, BMS Institute of Technology and Management, organised the ICE Career Development Event under the Institute of Civil Engineering-UK (ICE), supervised by the ICE faculty advisor Mrs Shimna Manoharan and taken up by the student committee. The event had the keynote speaker Mr CS Pradhyumna, Associate Director, PwC and a chartered Civil engineer from the institution of civil engineers the UK, with over 21 years of experience in water intake structural design and Mr Shivom Revankar (Highway Engineer- WSP). Mr Shivom Revankar gave a brief description of ICE and ICE student membership along with its benefits.



STUDENT VOICE



Dreams of Infinity

- by **Shubhashree G R**
USN: 1BY17CV052
Batch: 2017-2021

"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.

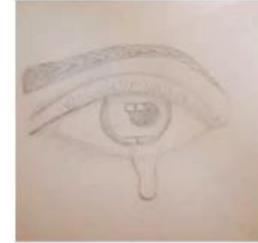
Here is a story of a bright boy, born in a poor family of Erode, Tamil Nadu and now known as a famous mathematician. The Hindu goddess NAMAGIRI- who appeared in his mother's dream telling her to allow him to go to Cambridge-had appeared in one of his dreams. Namagiri would appear in his dreams, showing him mathematical proofs, which write 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 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.



Monisha K Y
USN - 1BY14CV030
Batch - 2014-2018



Mallela Sai Praneeth Reddy
USN - 1BY20CV025
Batch - 2020-2024



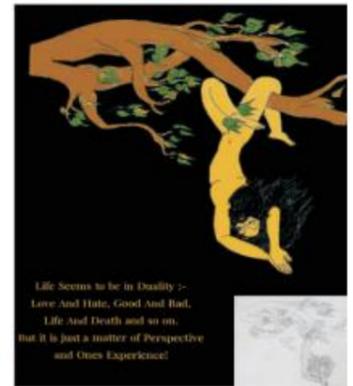
Dheeraj D.
USN - 1BY20CV009
Batch - 2020-2024



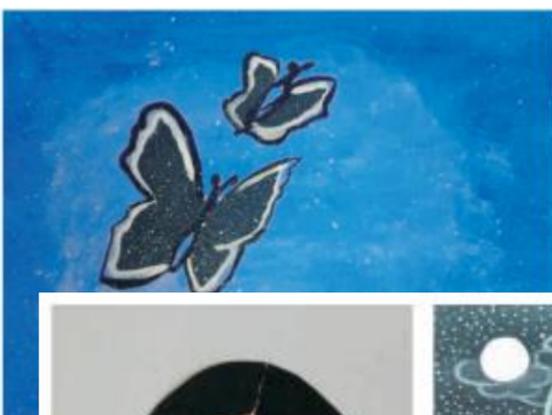
Chetana Jainapur
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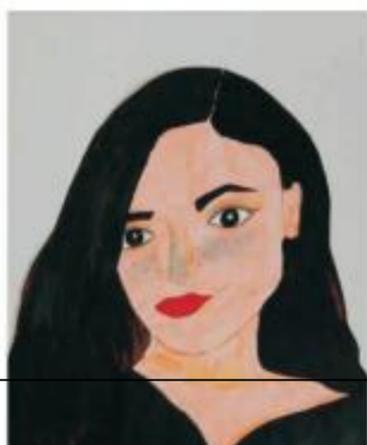
Surya Kumar N A
JSN - 1BY17CV055
Batch - 2017-2021



Varsha G
USN - 1BY19CV043
Batch - 2019-2023



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Rajeshwari S
USN - 1BY20CV415
Batch - 2019-2023