



TVAKSATI



Half-Yearly Newsletter

DEPARTMENT OF CIVIL ENGINEERING

Issue #07; January-June 2019



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 & professional ethics through state of art infrastructure and committed faculty
- To provide practical exposure through research, industry-interaction and motivate entrepreneurship to cater societal needs.

Inside:

02

Panoramic view:

- DAB Meet
- 1st Year orientation
- Field trips

TECHNOSPACE:

- Expert talk & Training
- Mini projects & Internship presentations

03

Outreach Activities:

- Invited Talks
- Participations
- Publications
- Faculty Internships

04

Student Voice:

- Tech snippets
- Student Internships
- Students speak
- Memorable moments
- Contact us

From the HoD's Desk:

As an HoD I believe in strength of a department always lies in its human resources and infrastructure. Both of these have played an immense role in our department's development and growth. As a string team needs a motivational leader, similarly an inspiring leader also needs enigmatic team players for success to emerge. The Department of Civil Engineering at BMSIT&M aims at imparting highest level of education inside and outside the classrooms. Our well-equipped and advanced laboratories facilitate experimental learning and various other departmental activities motivate the young minds to learn and evolve.

Established in 2013 and being the youngest department at BMS Institute of Technology and Management, the Department of Civil Engineering; headed by Dr. Rajesh Gopinath. The department offers programs at an Undergraduate level with an AICTE approved intake of 60



Dr. Rajesh Gopinath,
Head of the Department

Open Course - Sustainable Housing

Department of civil engineering organised 5 day open course on sustainable housing from 12th February 2019 to 16th February 2019 under the coordination of Mrs Archana K and Mrs Shimna M, Assistant Professor. The target audience was fourth semester civil engineering students and 53 students registered for the same.

The open course comprised of technical talk of resource persons from industry, academics and site visit to Nirmity Kendra Bangalore Rural. Parvathy K (Manager, L&T Realty), Karthik S (CNS group of companies), Mrs Shobha R(BMSIT&M), Mrs Lakshmi(BMSIT&M), Mr Vinod BR(BMSIT&M), Dr Yogananda (Mrinmayee consultant), Mr Pramod AV (Mahijaa consultant), Ar Anjan Kumar (Atrium architects), Prof Monto Moni(Professor, CST, IISc) were the speakers



Participants of sustainable housing participants with Prof Monto Moni, IISc

Outreach activity

As part of Dept outreach activity, Civil Engineering Dept carried out **Cleanup drive at Melkote and donated sports accessories** to Govt Higher Primary School, Melkote during their Annual Extensive Survey Camp from 9th to 18th Feb 2019. The Staff and students cleaned the premises wherein students of various engineering colleges carried out several exercises as part or camp. For the first time in the 4th outing of camp, not only did the team ensure that no litter was brought or left by them in Melkote, and also to clear the litter that was introduced by previous colleges.



Clean-up drive at Melkote

Farewell 2019

The students (I, II & III Year) from the Department of Civil Engineering have organized the Farewell party for the **2015-2019 batch students** at Seminar Hall on 26/04/2019. All students and Staffs were part of the function. Several fun filled activities were organized by the juniors to give a moment of life time and memories for the passing out batch, also an emotional moment, and students shared their feelings and future plans. Each faculty was instrumental in addressing them motivationally. The successful event was the brain child and coordination of the two student clubs in the department, Student Techno Club and Sanskriti Tara.



Class 2015 with faculties and technical staff

PANORAMIC VIEW:

Alumni Interaction:

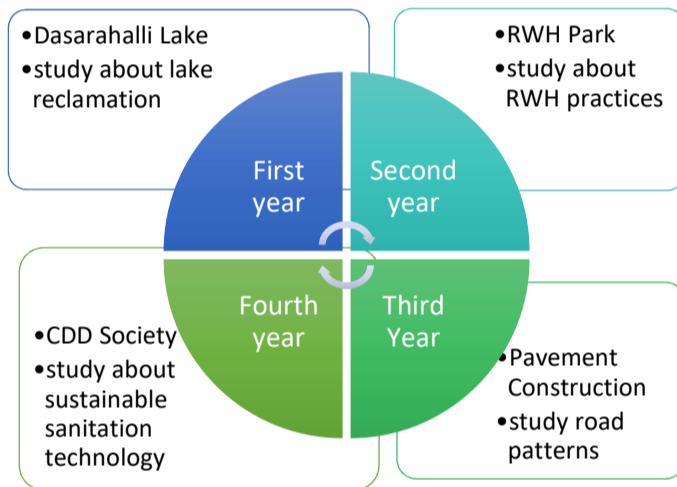
An organization's alumni are the reflection of its past, representation of its present and a link to its future and they are brand ambassadors of the department. The department maintains and flourish the relationship with alumni and are invited them for interaction with students.



Name of Alumni	Affiliation	Batch	Date of Interaction
Abhijit Kumar	Site Execution Engineer, Populace Infra Construction Pvt Limited, Bengaluru	2015 Batch	15-Mar-19
Ravi Kiran	Site Execution Engineer, Populace Infra Construction Pvt Limited, Bengaluru	2015 Batch	15-Mar-19
Abeer Mishra	Site Engineer, Salarpuria Sattva Engineers Pvt Limited	2015 Batch	18-Mar-19
Bharath M	Planning Engineer- Execution, JMC Projects India Ltd, Bengaluru	2015 Batch	18-Mar-19
Nitin Kumar N	Associate Q S Engineer, TJN Constructions Pvt Ltd	2015 Batch	18-May-19
Justin Manickham	Graduate Engineer, BLK&Sons Ltd	2014 Batch	02-Jul-19
Karanth Gowda	Graduate Engineer, Synergy Property Development Services Pvt Ltd	2015 Batch	02-Jul-19
Suhas Prasad	pursuing M.S (Structures), UNSW, Australia	2015 Batch	02-Jul-19



Field Trips



Expert Talks & Training

Sl. No.	Name of the Speaker	Affiliation	Date	Topic
1	Dr N Balasubramanya	Dean ,AIT, Bengaluru	02-03-2019	Design and Drawing of River Intake Structures
2	Mr. Phanindra L R	EHS Leader & Senior Manager - Environmental, GE BE Pvt Ltd, Bangalore	05-04-2019	Module 3 (Environmental Management System) as Partial Course Delivery
3	Acharya B K	Manager sales , Aimil Ltd Bengaluru	14-03-2019	Latest Equipment and Technologies used in Highway Construction
4	Vinod R	Senior Structural Engineer,SSS Consultant	16-03-2019	Green Buildings
5	Er. A.J. Arun Jeya Prakash	CEO,Aviocian Technologies Pvt. Ltd, New Delhi	28-02-2019	Application of Drone Technology in Civil Engineering
6	Mr Jayant Balakrishna	Consultant	22-03-2019	Design of Sanitary Landfill
7	Mr Shreedhar Revankar	BASF India Ltd	25-03-2019	Recent Trends on Admixtures in Concrete
8	Er. Raksha A.	Space Geo Tech. Pvt. Ltd., Bengaluru	27-04-2019	Design and Drawing of Rain Water Harvesting Structures
9	Dr Manmohan Kalgai	Ultratech Cement Ltd	27-04-2019	Civil Engineering - A World of Challenges and Opportunities

TECHNOSPACE

Open Course- Design & Drawing of Environmental Systems

A long term open course on "Design & Drawing of Environmental Systems" was conducted at the Department of Civil Engineering during FEB 2019- May 2019. The course was aimed at teaching the sixth semester civil students the design and drawing of various water supply, sanitary and air pollution control systems .The topics covered were beyond the VTU syllabus. The structure of the course was one hour of theory with design of systems, followed by three hours of manual drawing. Assessment was carried out at the end of the course, by the coordinators Dr Rajesh Gopinath and Mrs Prasanna G.

Student Internship:

The Department of Civil Engineering is glad to announce that 96 students underwent internship during January 2019. Some of the salient companies included Ultratech, Tata housing projects, Simplex Infrastructure, Prestige, Legacy, Karnataka Construction Company and Eco-paradigm. There was increase of 50% internship opportunities for the students compared to previous years.





Outreach Activities



Invited Talks:

March 2019

- **Dr Rajesh Gopinath**
 - "Climate Sustainable and Urban Town Planning" on 15th March at CSI College of Engg, Ooty
- **Mr Vinod BR**
 - "Importance of drafting" on 27th March at SSS Consultancy Bangalore

April 2019

- **Mr Vinod B R**
 - "Design and construction aspects of Road Embankment" 05th April at SSS Consultancy Bangalore.
- **Mr Manishh S Dharek**
 - "Rate analysis of buildings", on 30th April at Dept of Civil Engineering, Acharya Institute of Technology, Bengaluru

May 2019

- **Dr Rajesh Gopinath**
 - "Civil Engineering..... Past, Present and the Future" at Gopalan College of Engineering and Management ,on 9th May.



Participations:

- Mrs Shobha R, Mrs Archana K , Mrs Shimna Manoharan, Mr Vinod BR Assistant Professor, Department of civil engineering, attended 6 day workshop on Fourteenth Workshop under the Energy Efficient Buildings Workshop Series on "Low Carbon Materials and Building Systems " at Centre for Sustainable Technologies Indian Institute of Science from 21st to 26th January 2019.
- Mrs Lakshmi H S Teaching Assistant, Department of Civil engineering attended one week Faculty Development Program on "Innovative Civil Engineering through Artificial Intelligence", at Dayananda Sagar Academy of Technology and Management from 16th to 20th January 2019.
- Dr Rajesh Gopinath (Assoc Prof. & HoD, Dept. of Civil Engineering, BMSIT&M) and Mrs Prasanna G (Asst. Prof., Dept. of Civil Engineering, BMSIT&M) have participated in the 1 week FDP program on "Effective Teaching and Learning Practices for Design and Operation of Water Supply Systems" held from 20-25th May 2019 at NIT



Open Day

Open day project based learning exhibition at department of Civil Engineering held on 13th May 2019. In total 49 projects have been exhibited (17 of fourth semester, 17 of sixth semester and 15 of eighth semester). Two resource personnel's (academic based and industry based) judged the event. The guest were Dr Nagaraj M K (Ret Prof, NITK) and Er. Deepa D B (Asst Engineer @ Minor Irrigation Dept, Govt of Karnataka). The criterion of evaluation included Presentation skills, Content of presentation and relevance of project selected. Out of 49 projects 9 best projects from each semester were awarded.



Faculty Internships:

Faculties are encouraged to attend industrial internship in their areas of interest. The faculties in turn are able to relate the theoretical knowledge to the industrial needs and demands of the students. 5 faculties underwent internships during January 2019

Dr Rajesh Gopinath

- K-cube Consultancy Pvt Ltd, Chennai

Mr Manish Shashikanth

- Nadan Engineering, Bengaluru

Dr Shreedhara B M

- Vyshali Group, Bengaluru

Mrs Archana K

- Aravind Smart Spaces Limited, Bengaluru

Mrs Shimna Manoharan

- Nirman Construction Kannur, Kerala

STUDENT VOICE

TECH-SNIPPETS:

SEED BALLS- A GREEN MOVEMENT

A seed ball (or seed bomb) is a seed that has been wrapped in soil materials, usually a mixture of clay and compost, and then dried. Essentially, the seed is 'pre-planted' and can be sown by depositing the seed ball anywhere suitable for the species, keeping the seed safely until the proper germination window arises. Seed balls are an easy and sustainable way to cultivate plants in a way that provides a larger window of time when the sowing can occur.

Anatomy of Seed balls

Seed balls/seed bombs are individually made in our Pennsylvania greenhouse. I like to think of them as the Ferrari of seed balls. They contain a combination of mineral soil and three types of compost. Read about the science behind our formulation on our science page. Seeds are scarified if necessary prior to placing in the seed ball. Depending on the size and requirements of the plants, seeds are either mixed in with the soil before the seed balls are made or placed individually within the moist seed ball. We carefully hand roll each seed ball until its just right. The seed balls are then air-dried, providing a safe haven for its contents until germination.

- Chandana Swamy, 2nd year, Civil



Ms Chandana Swamy, 2nd year civil engineering student has collected the seed balls through an Instagram Page Namma Karnataka Photographers. Shes intending to plant them during this monsoon



CLUB ACTIVITIES

Department of Civil nurtures the student club in technical and cultural forum. The club is coordinated and maintained by students under the guidance of faculty member. The Civil students Club had organized a interactive session "Water proofing and its role in conservation of water " to commemorate occasion of world water day Celebrated on 22nd March 2019 from 10:30am to 12:50pm at Civil seminar hall BSN Block .The session was engaged by Er.Ananad Kumar H R from Gray Space INC Company. The students were Enlighted about water proofing and its application and need for water conservation.

Department of Civil Engineering has established the new cultural club.As a part of it we have organized the logo and name selection for the club and solo singing competition for the students of our department on 15th March 2019

Memorable Moments...



STUDENTS SPEAK:



I never knew that when the last bell would ring that I'd actually miss this place. Yes, this four-year long journey has come to an end but I'm grateful for the memories I've made, for the lessons I've learnt, for the friends that turned into family and the teachers who turned out to become friends. This is definitely a place where learning meets fun! A special mention to the world-class faculties that I've had, the best I could've ever asked for. BMSIT was an experience I'd cherish for the rest of my life. Thank you for everything.

- Aishwarya M, 8th sem, 2015 Batch

BMSIT College of Engineering in Civil Engineering Bangalore I am a student of Civil engineering. Presently, I am pursuing second year. As BMSIT college of engineering have maintained good infrastructure and as well as a garden on our college campus in the next year for the further development. The labs are well equipped. Good library facility. The faculty members are good and very helpful. Modern teaching methods are used, with slides and videos for most of the courses. Most of the faculty are actively involved in academic as well and research.

- Namitha BM, 2nd sem, 2018 Batch

Editorial: Team Tvaksati

Faculty coordinator, Department of Civil Engineering

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Student coordinators

- Anusha S, Yaksha

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