



TVAKSATI



Half-Yearly News letter

DEPARTMENT OF CIVIL ENGINEERING

Issue #08; July- December 2019



Vision:

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

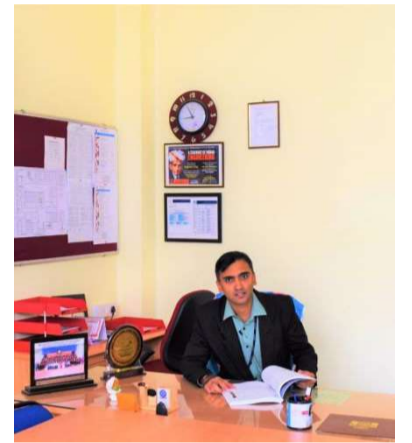
Mission:

- 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.

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 and houses excellent laboratories, classrooms, and computing facilities for teaching and research.



Open Course - E Tabs and Drawing



Plastic clean up drive:



Plastic clean-up drive at Kali Tiger Reserve

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PANORAMIC VIEW:

Department Advisory Board Meeting:

The fourth DAB meeting of Department of Civil Engineering was conducted on 31st August 2019 between 10.30 AM to 12.30 PM. The meeting was attended by the DAB members, Dr B Anbazhagan: IISC, Dr Sreekanteshwara Swamy: VGST, Mr Narayan Gowda: Legacy Group, Mr Nanjundaswamy : Parent .Student representatives Ms Anusha, Ms Pallavi and Mr Sanju , HOD and faculty of the Department of Civil engineering were also present at the meeting. The DAB reviewed the revised Vision, Mission, PEO's & PSO's. Measures to improve 1st year results, Funding of FDP's through VGST proposals ,Internships and Industry supported courses to improve placements were also discussed during the meeting.

Name of the Speaker	Designation	Affiliation
Dr M R Yogananda	Director	Mrinmayee consultants
Er. A V Pramod	Chief Structural Engineer	Mrinmayee consultants
Vikram Natarajan	Regional Manager. EHS	Cushman & Wakefield
Hrudya C Sekhar	Assistant geotechnical engineer	Atkins Global
Sunil R K	CEO	3E SERVICES
<u>Dr Aravind H Bhashyam</u>	Principal Structural engineer	K A Associates

Alumni Interaction:

Mr. Sachin Govind V, Deputy Senior Executive, Embassy group and Mr. Nithin Kumar N, Senior Q S Engineer, TJN Constructions Pvt Limited, Bengaluru, both alumni of 2013-2017 batch had a interactive session with the 1st year students of Civil Engineering. The interactive session included discussion on aspects such as future growth as civil engineers, Job opportunities, industry expectations, and higher education opportunities. The session saw active participation from 1st year students.



Expert Talks:

Technical talk for the students of 7th Sem was organized at BSN-CR-506, BSN Block, 5th floor, between 10:50am to 12:45pm delivered by Dr Aravind H Bhashyam, Principal Structural Engineer, K A Associates on **"Planning, Design & Construction aspects of Gantry girder with case studies"**. The speaker spoke on need for gantry girders, types of gantry girders, planning & design aspects. The session saw good participation from 6th Sem students which was received well.



Dr Aravind H Bhashyam, Principal Structural Engineer, K A Associates delivered a talk on "Planning, Design & Construction aspects of Gantry girder with case studies"

TECHNOSPACE

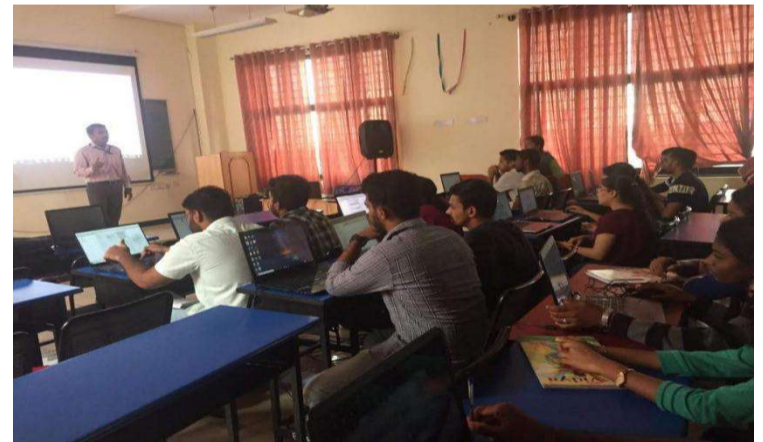
Open course:

As part of open course for the students of Civil Engineering, 2 courses were conducted for the students of Civil Engineering.

Open Course titled "Application of E-TABS in Civil Engineering "was organised for 5th semester students in collaboration with Medini through MOU, dated 22nd Oct 2019 to 26th Oct 2019 from 9:00am to 4.30pm at Seminar hall, BSN 509, 5th floor, Department of Civil Engineering. The course was coordinated by Mrs. Shobha R and Mr. Vinod B R. All the session were engaged by resource person from Medini and coordinators.

Topic covered:

Draw tools (grid snap, offset, orientation), Grid defining and editing, Defining: Materials, Section properties, Application of Loads (patterns/ cases/ combinations/ auto set) Assigning structural member like Columns, Beams, Slabs, Shear wall, Bracing ,Modelling of RCC Building, Analyse, Reporting and detailing and Modelling of Steel structure and Connection Design (Beam to column, Column base), Design Display options, report generation etc.



Industrial visit:

The students of V Sem, Civil Engineering Visited the clay block production plant of Weinerberger Private limited on 23rd August 2019 located at Kunigal. The students were exposed to the safety norms at plant, manufacturing process, raw materials, lab facilities, heating (burning process) with the state-of-the-art robotic controlled mechanisms. The students also underwent hands-on session pertaining to cutting, placing, chasing of porotherm clay blocks. The session saw active participation from all the students.



Outreach Activities

Traffic awareness program:

AICTE activity “Traffic awareness program” was organised for 3rd semester 2018-19 batch Civil Engineering students on 24th Nov 2019 (for one day). 65 Nos. of students from 3rd sem and 1 student from 1st sem attended the program. Rally started from BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT to Yelahanka Police station. Students interacted with the public and gave awareness about traffic rules, human safety etc. with the help of posters and charts. Near police station, the police officer interacted with the students and he encouraged them to conduct more of these programs and also advised them to follow up the same in their life. The AICTE activity was coordinated by Mrs. Shobha R, Mr. Vinod B R Asst.Prof, department of Civil Engineering, BMSIT and M.

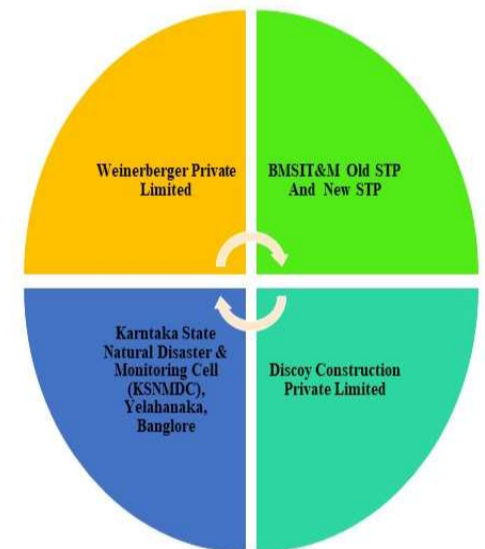


Industrial visit:

On 25th November 2019, 1st Semester Students from Department of Civil Engineering (BMSIT&M) have visited Nagjhari Power Station - Uttara Kannada district, Karnataka. The Students were shown the generators, and parts of underground turbines. Also, knowledge was shared on practical aspects of how the turbines function. Information about Kali River and its progression across 4 power stations, Vertical Francis turbine and Digital Control Room Management was also showcased. The power of each turbine is 139 MW (per hour). The net amount of power generated at the power plant comes to about 840 MW. The speed rotation of the turbine was 375 rpm and voltage is 11 KV. A step-up transformer was used to step-up the voltage so that sufficient voltage is available at delivery point. There were 8 delivery points. 4 are in Hubli, 2 are in Dandeli, and the rest are in Kodsalli. The process of detecting faults like cut of electrical wires by falling trees was explained. The power developed was by diversion to Sykes point from Supa Dam. After this the discharged water moves to Kodsalli and then to Khadra, finally the river joins Arabian sea.



Visit to KSNDMC:



Visit to Horagina Betta

On 13th Aug 2019, the first-year students from Department of Civil Engineering have embarked upon a visit to Horaginbetta, off Nandi Hills. During the visit, the students were instrumental in clearing the place of plastics and beer bottles left behind by trekkers. This outreach activity was most imperative since the littering was a potential threat to the wildlife and aesthetics of the hillock. The students were accompanied by Dr Rajesh Gopinath and Mrs. Shimna. On this occasion Mrs. Chetana (OIKOS) and Mr. Ozwin (photography club) had also offered their valuable support. Mrs. Chetana was instrumental in motivating students in carrying out dispersal of seedballs of water apple and guava to enhance fruit bearing tree cover for birds and other mammals. She was joined by student members of OIKOS in this exercise with several first-year civil engineering students becoming members as well. Mr. Ozwin with a dedicated group of students was providing training on landscape and Nature photography to the budding student photographers. The aforementioned mentioned trip was a joint exercise between Department of Civil Engineering, Eco Club and Photography club at BMSIT&M.



Department of Civil Engineering, Eco Club and Photography club at BMSIT&M.

STUDENT VOICE



Art by DASHARATH D KOTIAN ,1st Sem



Art by HARINI B S , 1st Sem



Art by DEEPTHI BR,1st Sem



Art by DASHARATH D KOTIAN , 1st Sem

Media time :

Its my pleasure to share that iam working as student reporter for Vijaykarnataka newspaper,student representative of BMSIT&M.I feel very proud whenever I report the activities that take place in my department.I also feel lucky that I have got a great oppurtunity to write about my college which will be published in the newspaper and therefore reaches a large scale.BMSIT always ROCKS!! & remains as Top college in Bangalore .

Ms. VARSHA G , Student Reporter, 1st Sem



A Tree

A tree can give fruit, Shelter and shadow
It may be in hills, mountain or in meadow,
A man can just break the trunk of the branch of tree
He is never bothered & take it for free.
People join their hands in destroying the future dream
Then there will be neither plants nor trees
Youth of future may be lose opportunity of nature to enjoy
It may be girl or a boy.
A tree may not ask you anything,
It has given not only one but many things
Man can end his life in the shadow of a tree
Tree has seen your youth & remember it can even see your death

STUDENTS SPEAK:



BMSIT is one of the top most technically educating college meeting present required skills for the company. A college to learn, enjoy and score. The campus is full of trees with good environmental conditions and well-equipped laboratories. The faculties are well experienced in their own domain... I've had a pretty good experience. Thank you for everything.

- Ms. Apoorva. M, 7th sem, 2016 Batch

BMSIT is regarded as one of the top ten colleges in Karnataka and it's definitely not for namesake. The faculty here are highly experienced and skilled in their respective subjects/fields. Unlike the usual notion of University faculty not caring about their students, the faculty in BMSIT are highly supportive and encouraging. They are ready to not just guide but also to lend a helping hand if one is really ambitious about executing a project.

The campus is a really important aspect for a student as it helps in clearing his/her mind during study breaks. Fortunately, BMSIT has one of the greenest and cleanest campuses in the city.

- Mr. Adarsh. L ,1st sem, 2019 Batch



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