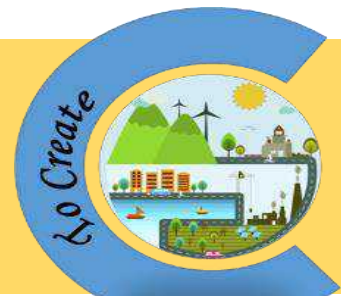


TVAKSATI



DEPARTMENT OF CIVIL ENGINEERING

DEPARTMENT BULLETIN

Issue #05; Jan-June 2018



Dr. Jagadish Vengala, Associate Professor & Head

NEWS:

The dept. of Civil Engg conducted an **Open course** on 'Fundamentals of theory of elasticity, finite element methods and basic applications of ANSYS'. This course was conducted by Dr Guruprasad Y K, Associate Prof which was attended by 24 students from various branches.

From the HoD's Desk:

The Department of Civil Engineering is happy to publish the first edition of the newsletter: "Tvaksati" which in Sanskrit means "to create". Civil Engineering is all about creating new possibilities. 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.

Various technical talks, Extensive Survey Camp, Internship Programs all initiate capacity building in students. Industrial visits and collaborative learning sessions aid the lateral thinking in students. Department is vibrant and actively involved in research and consultancy. The students assisted by faculties have published around 20 technical papers at various conferences competing with the post graduate students. Adding on to academic activities, students actively organized the popular Institute Fest- UTSAHA 2017

Vision:

To be a centre in pursuit of excellence in civil engineering education, research, entrepreneurship and industry outreach services for a constantly changing societal needs with credibility, integrity and ethical standards.

Mission:

Accomplish excellence in curricular, co-curricular activities with a committed faculty through teaching and research which creates technically competent and dedicated civil engineers to serve their surroundings

Recognitions & Awards



Left: research article in Construction World Magazine. Citation: "Jagadish Vengala, "The Bamboo Bonus", Construction World, PP 84-85, March 2018, ISSN 0972-8368" Right: Dr Rajesh Gopinath- "Young Faculty Award" for the "State of Karnataka" in the 3rd South Asian Education Awards and also authored a text-book titled "Environmental Science and Engineering"



Left: Namratha KB, 8th sem student, Civil dept-participated in the business challenge at Atria Institute of Technology, Management And Entrepreneurship and won the first place – cash prize of 15k and an internship.

4th Prize winner at Srushti 2018- "White Paper of a Business Enterprise for Manufacturing of Rigid Pavement with E-Waste Ceramics", by Bhaskar M.B., Swathivarma R, Vatsala P.M. and Arjuncanth, under guidance of Vinod BR and Dr Rajesh Gopinath.



2 UG projects funded by KSCST SPP 41st Series, guided by Dr Guruprasad Y K and Mrs Archana K, participated in the project evaluation at MSRIT, by Dr. Raghuvver, Professor, IISc, who appreciated both projects

PANORAMIC VIEW:



SURVEY CAMP 2018:

The students were divided into 8 groups and each group had to complete four projects such as New Tank Project, Restoration of Old Tank Project, Water Supply and Town Planning and Highway Alignment. Each group was headed by a faculty and group leader. Principal and team visited the camp & project sites. Parents visited the camp and appreciated the facilities and planning of camp work. This camp provided students a great experience to work in teams and implement the practical applications of Civil Engineering works like surveying, levelling, drafting, and design of new tanks, water distributary systems, road alignments, village mapping and more.



FDP: Recent Advances in Renewable Energy Technologies

The Department of EEE & Civil Engg. Jointly organised a Five Day Faculty Development Program on 'Recent Advances in Renewable Energy Technologies' from 22 to 27 Jan 2018. The FDP provided opportunities to faculty, researchers to gain insight on renewable energy and sustainability



Lighting the lamp by Vice Principal



Industrial Visits:

An industrial visit was undertaken by the 8th semester civil engineering students on 14th March 2018 at the Fecal Sludge Treatment Plant in Devanahalli managed by CDD-Dewag. A total of 39 students who were engaged in the elective Industrial Wastewater Treatment undertook the visit. The students were accompanied by Ms Prasanna G and Dr Rajesh Gopinath.

Open Day 2017:

The 2nd Open Day at Department of Civil Engineering was conducted on 18th May 2018, in synchrony with the Institute planned Open Day. Totally 12 PBL projects and 12 Final Year UG projects were screened by Judges, which included external committee of Mr Praveen Kumar M.C (General Manager, Nest consulting.in, Bangalore) and Dr R.L Ramesh (Professor, Dept. of civil engineering, REVA University, Bangalore). The exhibition was visited by HODs, Vice-principal and Principal who also had interaction with few of the Exhibits and expressed happiness in the research vigour displayed by each



Name of student	Project title:	Guide	Place
Dinesh Sharma, Anish Yadav, Prabin Khadka, Shashwat Man Singh	6 th sem : Partial replacement of fine aggregates by plastic pellets in concrete	Mr Manish S Dharek and Mrs Archana K	First
Shubhshree G.R, Yaksha V	4 th sem: Brief report on discovery of gravitational waves using logos	Dwaraka Prasadh	Second
Desu Saideep, Deepika K.C, Monisha K.Y, Abhijeeth Kumar	Final Year: Textile reinforced concrete	Dr Jagadish Vengala	First
Karan Kapoor, Manjunath V.K, Abhijeeth Singh, Madhava C	Final Year: Solar power potential and mapping Telangana state Using GIS	Mr Manish S Dharek and Mr Anant Pujar	Second
Akash Kumar S, Shubham Bhagat, Kamran Ashraf, Kinshuk Morey	Final Year: Development of human outdoor thermal comfort index (HOTCI) of public green spaces (PGS)in Bangalore	Dr Rajesh Gopinath	Third
Bheemesha, Ravi Kiran, Shreekantha K	Final Year: Effect of glass fibre reinforcement on Engineering properties of Lime stabilized Red and Black cotton soil	Dr Deepak G.B	Fourth

Faculty Internships:

Pacing up with the advancement in industrial applications, the faculties at Department of Civil Engineering undergo internship for 10 days at various industries.



TECHNICAL TALKS DELIVERED

Topics	Invited Talk delivered
Role & Need for Eco-Clubs in Creating Environmental Awareness- Feb 2018	• Dr Rajesh Gopinath at National Workshop on Role of Education in Science, Engineering on Environmental & Human Welfare, Bidar
Slag sand and GGBS- A Sustainable alternate for Construction)- March 2018	• Dr. JAGADISH VENGALA at JIT, Banaglore
"USE OF GGBS AND SLAG SAND IN CONCRETE"	• Dr. JAGADISH VENGALA at KL University, Vijayawada

Employers Day 2018:

The fourth Edition of Employers Meet was organized on the 3rd of March 2018. The panel consisted of Er. Shanthakumar G M, Senior Vice President-Projects at JMC Projects (India) Ltd., in the southern region, Er. Narayana Gowda, Vice President, Legacy Global Projects Pvt Ltd, Er. N Venkatesh, Head, QA/QC, B.L.Kashyap and Sons Limited and Er. Naveen Kumar C, DGM, Aimer Housing Corporation (AHC).



TECHNOSPACE

The faculty and students have always been enthusiastic and strive hard to carryout challenging problems and achieve great results. The students are motivated to present posters on technical topics and publish in conferences.

Workshop on Research Methodology

One-day workshop on "Research methodology" was organized by the department of Civil Engineering under the aegis of ICI-KBC. Morning session's talk was delivered by Dr MohanBabu GN on the topic "Research Methodology" which enlightened all the participants who wanted to excel in the research field. This was followed by talk from Dr. J M Chandra Kishen, Professor, IISc spoke on how to go about in research, do's & don'ts in research with live examples being given which gave a overall insight on research . The Afternoon session started with a presentation by Dr Bharathi Ganesh, HoD, Civil NMIT, wherein how to write a thesis, plagiarism, etc. were dealt in detail. Followed by the presentation by Dr Jagadish Vengala, HoD Department of Civil BMSIT&M wherein research through experimentations was dealt with case studies and examples.



Topics	Invited Speaker
Latest Techniques in Water Proofing (Feb)	• Er. Jimmy Lucas, Project Manager from Aqua Seal Tech
Partial Course Delivery : Module 3 -Environmental Management System	•Mr. Phanindra L R, [EHS Leader, Wipro GE Healthcare, Bangalore]
Space Frames- DSSE 15CV62	•Dr Pradyumna M, Director(Retd), Geodesic Techniques Private Limited
"Gantry Girders- Design & Construction Aspects"	•Dr Aravind H Bhashyam, Principal Consultant, KA Associates & Visiting Professor, PG Studies, Christ University
Q GIS & ITS APPLICATIONS	•Er Prabhanjan Alankar, Hydraulic Modeller, Atkins
Facility Management	•Sreedhar Saraswathi- Business Head-South Asia, ARCHIBUS
Application of EMS wrt Electroplating Industry	•Er Shashibusha HS (Manager- Env Division & EHS Expert, BEL,Bangalore

TECHNICAL TALKS ORGANIZED

STUDENT VOICE



The Civil Club: Activities:

Hands on training workshop under the banner of civil club on total station was conducted by the students of 6th sem namely Darshan Baliga, Deekshith Anand, Vinay M S, Md. Faheem , Dinesh M for the students of 4th sem. The 6th sem students gave a presentation at innovation centre mentioning the capabilities of total station followed by hands on session which was very well received by the 4th sem students

Student Internships:

About 47 students of all semesters underwent internships at various industries such as Prestige Estates projects Ltd, MAPPA CONSULTING ENGINEERS, AFSON ENGINEERS AND CONTRACTOR, SIMPLEX CONSTRUCTIONS LIMITED, NCCCL ALDRICH BUILDERS AND DEVELOPERS, VAJRAM TIARA and LEGACY GLOBAL PROJECTS PRIVATE LIMITED. The internships were for a duration of 3 weeks in the month of January 2018. These were followed with internship presentations later in the semester.



Roof Survey

Department Of Civil Engineering has organised a "One Day Training Program on Roof Survey" on 10th February 2018, in collaboration with SWEPCO. Er Av Ramamoorthy served as the expert for the occasion that Envisaged Roof Damage Assessment & Survey. Totally 40 students participated.



Memorable moments



Outreach Activities

The Department of Civil Engineering [all staff and students], respect and whole-heartedly appreciate the goodwill gesture of the Final year Students [Desu saideep, Monisha KY; Abhijith Kumar DR, & Deepika KC., who have donated their entire 1st Prize Money worth INR 5000.00 received in Open Day Competition; on 27th June 2018, to buy School Uniforms for orphans at "Sneha Bharathi Education Society", an Open Shelter Education for Children workshop.

Team Tvaksati

Faculty coordinators: Archana Kumar, Shimna M
Student coordinators: Tulasi & Vinay M S