

## PAPER PUBLICATION BY STAFF

Following are the list of publication from Civil Engineering Department

SL No	Name of the Faculty	Year	Title	Date and location/college of the conference held	National/ international
1	Dr. Rajeeva S V	2017	Comparison of response spectrum analysis and Construction sequence analysis of RC and Steel-Concrete Composite Multi-Story Building with floating columns	IJRET pISSN: 2321-7308	International
2	Dr. Rajeeva S V	2017	Comparative study on the seismic response of RC regular and irregular structures with shear wall	IJRSI Vol-IV, ISSUE-VI, ISSN 2321-2705	International
3	H Narendra Kumar & Prasad CSMV	2017	Limnological studies on chowkhalli tank waters	IJRSI Vol-IV, Issue-VS, ISSN-2321-2705	International
4	P S Ramesh	2017	Behavior of Framed Structure Subjected to Explosion on the Ground	IRJET Vol-4, Issue-5 ISSN:2395-0056	International
5	Lakshmi C	2017	Noice mapping for urban part of Bangalore	Id 20170606040	International
6	Manjunath L	2017	Study on influence of position of core wall for structures with step back Configuration	ISSN: 2395-0072, Vol -4, Issue-6	International
7	Manjunath L	2017	IOS application development on design of shear wall	Id FTP470703	International
8	Kiran Kuldeep K N	2017	Study on behavior of RC Structures with infill walls due to seismic loads	ISSN: 2395-0072, Vol -4, Issue-6	International
9	Spandana B & Ganesh M	2017	Study on high rise steel tubular structures with belt truss subjected to seismic loading	IJRET pISSN: 2321-7308	International
10	Ramesh B M	2017	Compliancy of Varied Diagonal angle pattern of Diagrid tall buildings for seismic forces	IOSR Vol. 14, Issue-2	International
11	Kiran K K	2017	Consequence of reinforced concrete beam subjected to blast load	ISSN:2347-6710, Vol-6, Issue-6	International
12	Ramesh B M	2017	A study on self-compacting geopolymer concrete with an alkaline activator ratio and different alkaline activator to cementitious binder ratio	ISSN: 2395-0072, Vol -4, Issue-6	International
13	Srinivas K S	2017	Comparative study on masonry infill, friction dampers and bare frame structures under seismic forces	ISSN: 2395-0072, Vol -4, Issue-6	International
14	Nisarg Shankar	2017	Development of IOS application on strengthening of beams using FRP composites	Id FTP4630L12	International



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# SJB INSTITUTE OF TECHNOLOGY

BGS Health & Education City, Uttarahalli Road, Kengeri, Bangalore - 560 060



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NEWS LETTER

## Department of Civil Engineering

Issue - 2



**Vision:** To produce high quality Civil engineering graduates to suit the ever-dynamic infrastructure industry.

**Mission:** To develop a state of art learning center to cater the demands of future through conducive learning programs and to develop the department as a recognized consultancy and research center catering to the needs of the industry.

Department of Civil Engineering is headed by Prof. H Narendra Kumar. The Department is supported by experienced Professors, Associate Professors and Assistant professors.

SJBIT added another feather in its cap by including Civil engineering program for the academic year 2009-10 with an intake of 60 students. The Department is well equipped with full-fledged laboratories and state of art infrastructure facilities supported by dedicated, well qualified and experienced faculty members. The Department is fully established to meet all the requirements of AICTE and VTU.

Owing to the demand of Civil Engineers graduates at State and National levels, the intake of undergraduate program was increased to 120 during the academic year 2012-13. The need for PG programs was also realized and M.Tech courses in Structural Engineering and CAD Structures were introduced in the Department during the year 2014-2015. The Department of Civil Engineering also has a recognized VTU Research Centre. The aim is to impart quality education of higher standards and to move towards

excellence in field of technical education and research. Apart from learning activity, Civil Engineering Department motivates its students to take part in other activities such as sports, cultural, technical events at inter college and university level and have won prizes.

### Civil Engineering Department Activities

**Industry visit:** One day industrial visit was organized to the KMF and Sugar mill on 13<sup>th</sup> March 2017 for the Final year students along with faculty members as part of the Industrial Visit. The overall experience of the visit gives the student to know the practicalities in the industries, about the management of big industries from the practical perspective and learnt about organization as to how it works in the management aspects, the policies and procedure. Sri Chamundeswari Sugars Limited (SCSL), Established in December 1970, located in Bharathi Nagar, K M Doodi, Mandya District, the visit to the Industry enrich the knowledge of students on steps involved the manufacturing of sugar right from the collection of raw materials, extraction of juice, Crystallization, Centrifuging and finally Drying and Packing. Students also visited Effluent Treatment Plant in order to gain knowledge in treatment of industrial wastewater.



One day industrial visit was organized to BWSSB Water Treatment Plant located in Thorekadanahalli, for the Pre-final year students on 04<sup>th</sup> May 2017 along with the

Dr. M K Krishna, Mr. H Narendra kumar, Mrs. Lakshmi C and Mrs. Chaitra B R, faculties of the Department. The industrial visit gives the practical knowledge on recent methodologies used in water treatment processes along with conventional water treatment methods.



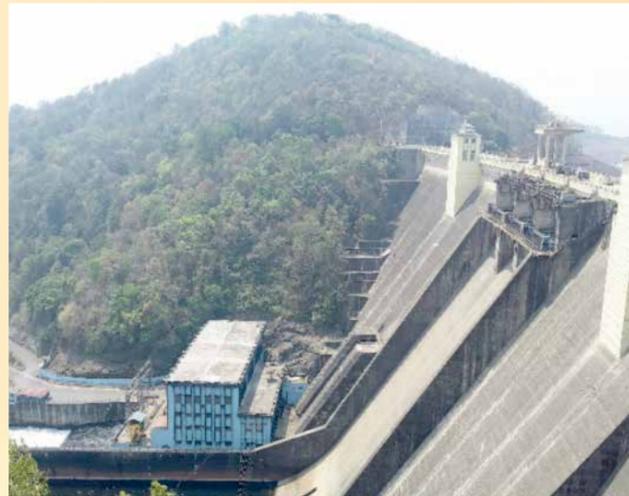
### National conference:

On 10<sup>th</sup> May 2017 National level conference on “Futuristic Technology in Civil Engineering for Sustainable Development” was held in the Department of the civil Engineering. Prof. H Narendra Kumar, HOD, Department of civil engineering welcomed Dr Shardha Bhai and Dr Rajeeva S V, Chair persons and all the participants from various colleges. Good number of participants were participated in the event from different colleges and there were three parallel session conducted based on different streams. Out of which two best papers were selected by the chair persons and were awarded with cash price.



### Technical trip

A three day technical trip was organised by the Department of Civil Engineering for 6<sup>th</sup> sem students along with the faculty co-ordinators Mr Ganesh M and Ms Spandana B to Nagajari Power plant, supra reseviar and supra dam. Day one visit to Nagajari power plant (Dandeli), where the students were taught about construction of mega hydraulic structures built upon very strong foundations. Students learnt on how the electricity is being generated from the hydraulic force of the water and its distribution to various parts of the state.



Day two visit was to Supa reservoir and Supa dam (Dandeli), and students learnt the various stabilizing and non-stabilizing forces that are acting on the dam structure and witnessed the FRL, MWL, DSL of the reservoir. Also, got the information about average rainfall details in the catchment area and measurement technique. That are very much similar to what they studied in hydraulic and irrigation engineering.

Finally, on day three they were taken to goa, for a visit to fort Aguada, is a well preserved seventeenth century Portuguese fort, which is the oldest of its kind in Asia, and it still amazes many of us about the construction techniques that they have used to build such a massive structure resisting the water pressure one side and lateral earth pressure on the other, during ancient times without any advancement in the technology.

### Ethnic Day

Ethnic day was organized on 20<sup>th</sup> May, highlight of the day was our 6<sup>th</sup> sem students played a street play on Swachh Bharat, as a social awareness and the concept of the ethnic day was village life.



### Fare well

A farewell for the outgoing students of the 2013-2017 batch was organised by the prefinal year students on 30<sup>th</sup> May, 2017. The 6<sup>th</sup> semester students organized various activities such as fashion show, super minute and different dance styles. Mementoes were distributed to passing out students by HOD and staff. All the teaching and non-teaching staff members were felicitated by the outgoing students as a mark of respect.



### Community service

The faculties of Civil Engineering Department along with HOD, Prof. H Narendra Kumar visited Government primary School, Ganakallu, Kengeri on 1<sup>st</sup> July 2017 as a part of the department community services. The students were distributed stationary items and snacks. These activities were coordinated by Prof. Lakshmi C, B M Ramesh, Naveen Kumar K, Nisarg Shankar, Sachin and Dr. Manjunatha H N.



### Achievement

The 8<sup>th</sup> sem students Bhavya, Rashmita, Deekshitha and Avinash Singh were awarded 2<sup>nd</sup> Place at the event PRASTUTI organized by the Department of Civil Engineering, Dayanandasagar College of Engineering, Bangalore for the project on “Noise Mapping for urban part of Bangalore” which was guided by Prof. Lakshmi C and Dr. Manjunath H N.



- Students of 8<sup>th</sup> sem namely Uday B.E, Abhishek N, Gaurav Shekhar and under the guidance of Prof. Manjunatha L were awarded 3<sup>rd</sup> Place in Project Exhibition “Jnana Vijnana Tantragnana Mela” at Adhichunchanagiri Mahasamsthana Math, Adhichunchanagiri, Nagamangala, Mandya.