



## Department of Civil Engineering

FEBRUARY -2020-21

SAMSKRUTHI

ISSUE-1



### College

**Vision:** To become a recognized Technical education center with global perspective.

**Mission:** To Provide learning opportunities that fosters students ethical values, intelligent development in science and technology and social responsibility so that they become sensible contributing members of the society.

### Department

#### Vision:

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

#### Mission:

M1: To establish as a state of art learning center to meet the demands of future through conducive learning programs.

M2: To develop as a recognized consultancy and research centre to cater the needs of the industry and society.

M3: To contribute towards the country's infrastructure growth by encouraging creativity in aspiring civil engineers.

Department of Civil Engineering is headed by **Dr Prasad CSMV**. The Department is supported by 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

1. Six days Faculty development program on "Basics of Mathematical Modelling and MATLAB Coding" from 7th to 12th January 2020. Mr. Madhusudhan Y B and Dharmesh N was invited to conduct hands on session from 7th to 9th January 2020 for the Faculty Development Program. Dr. Chandregowda C was requested to session speaker for afternoon session on 10th January 2020. Dr. Bhavan Patel was invited as session speaker for morning session on 11th January 2020. 10th and 11th January 2020 the hands on session for the Faculty Development Program was supervised by the senior faculties of the Department of Civil Engineering.

### 2. Survey Camp:

Extensive Survey camp was held at Ghati Subramanya village for 6th semester students as a part of the academic activity. Students of 6th semester were actively involved in the different projects and gained knowledge on the surveying techniques

They also involved in the use of advanced survey instrument "TOTAL STATION" for the surveying and to plot the contour in the different projects.



3. Informal Farewell was organized for outgoing batch students 2020-21 by following all the Standard operating procedures as given by VTU.



## Faculty Achievements

Lakshmi C was awarded doctorate in 35th annual convocation held by Vellore institute of technology at Vellore on 9th October 2020.



The Research was carried on the topic of **"ANAEROBIC DIGESTION OF WITHERED FLOWER AS POTENT APPROACH FOR SUSTAINABLE BIOGAS PRODUCTION"**

Dr. Lakshmi was invited as resource person for AICTE sponsored workshop on "Disaster Mitigation-A Shift from Disaster management towards disaster preparedness" on 10th September 2020 at 2.00 to 3.30 PM.

"A sustainable approach for producing biofuel utilizing withered flower waste" was this topic under guidance of Dr. Lakshmi C with students Mohammed Ismail, Vishwas, Mahesh, Prajwal R P was selected at National innovation contest for financial assistance. The Project stands 28th position amongst 127 participant teams at national level.

Dr. Lakshmi was invited as resource person to deliver a lecture on "Building Innovation Fit for market" on 15/1/2021 at Government engineering college Ramanagara, in association with institution innovation council MHRD, New Delhi.

Dr Prasad CSMV, HOD and Prof. H Narendra Kumar, Associate Professor were facilitated by the institution for getting " Best Project of the Year" award from KSCST and NPTEL Star in three domains under SWAYAM respectively.



Prof. H Narendra Kumar was awarded "NPTEL Believer", "NPTEL Motivated learner" and "NPTEL Discipline Star" for successfully completing seven courses across Civil Engineering.



Prof. H Narendra Kumar Has Secured 90% in the and is certified with Elite+ Gold certification and is among the top 1% in the following courses.

- Digital Land surveying & Mapping
- Electronic Waste Management – Issues & Challenges
- Municipal Solid waste management
- Integrated Waste management for Smart city
- Non Conventional Energy Resources
- Plastic Waste Management
- Waste to Energy Conversion
- Wastewater Treatment and Recycling
- Water supply Engineering

Student project proposal under the guidance of Prof

H Narendra Kumar has been approved by the Karnataka State Council for Science and Technology under student project program- 44th series. Students were Harshitha M S, Sahana P, Swamy B R, Avinash Pawar A S.

Dr. Sridhar R was awarded "certificate of Reviewing "Materials today Proceedings of Elsevier Publications.

Dr. Sridhar R was awarded NPTEL Online Certification for the FDP course maintenance of repair of concrete structures.

Dr. Naveen Kumar D T was received "Certificate of Reviewing" Materials Today: Proceedings of Elsevier.

Dr. Sridhar R was appreciated for delivering talk on Sustainable alternate building materials on 19th June 2020 at BMS Institute of Technology and Management.

Dr. Sridhar R was delivered Expert talk on "Advances in Geospatial Technology" under TECHIP III Sponsored workshop Conducted by Department of Computer science engineering at Dr. Ambedkar Institute of Technology on 28th August 2019.

Dr. Sridhar R was received "Certificate of Appreciation for reviewing papers to the International conference on "Civil engineering Trends and Challenges for sustainability" during 22nd and 23rd December 2020 organized by the Department of Civil engineering, NMAM institute of Technology, Nitte.

Dr. Naveen Kumar D T was awarded NPTEL Online Certification for the MATLAB Programming for Numerical Computation".

**Certificate of Membership was awarded for Asian Council of Science editors to Dr. Sridhar R.**

Dr. Sridhar R delivered webinar on "Overview on the feasibility of Geophysical soil exploration" for Short course on Soil Exploration conducted by Indian

Geotechnical society.

Dr. Sridhar R delivered expert lecture for one day student development program on influence line diagram and using loads held on 10th June 2020 at RR Institute of Technology.

Dr. Sridhar R delivered expert lecture on "Performance of Ultra thin white toppings" held on 26 June 2020 at Bridhanavan Institute of Technology.

Dr. Sridhar R was Session chair for "International Conference on Recent Trends in Science and Technology " ICRTST -2020) organized by ATME College of Engineering Mysore on 17th of June 2020.

Dr. Sridhar R was Reviewer for "International Conference on Recent Trends in Science and Technology "ICRTST -2021) organized by ATME College of Engineering Mysore on 8th and 9th of July 2020.

KSCST Student funded project guided by Dr. Prasad CSMV under 43th Series titled " ....." Was a judged as the Best project at State Level. The students involved in this project were Rashmi Jaladi, Pooja Vaishanavi, Yashaswini N P, Chinmay urs.

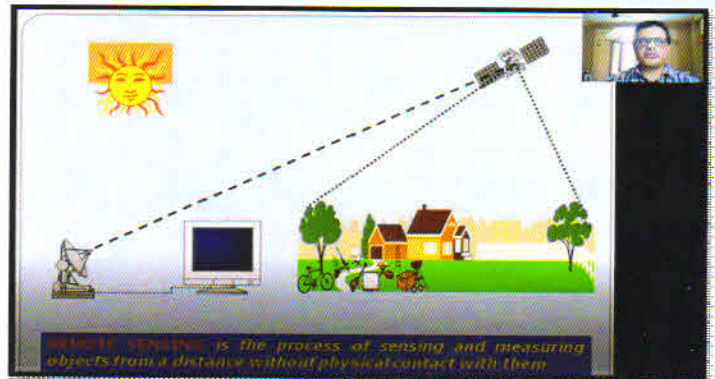
The Supporting staffs of Civil Engineering Department conducted Total Station Survey at SJBIT campus for GIS mapping.



The supporting staffs of Civil Engineering Department participated in three days workshop on " Hands on Linux server installation and Windows configuration" held during 22nd to 24th March 2021 at SJB Institute of Technology, Bengaluru.

Memorandum of understanding was signed during 2019-20 between Department of Civil Engineering, SJBIT and Parkruthi Institute of Environmental studies for the Areas of collaboration in the Field of Research, and Environmental planning and management.




Prof H Narendra Kumar Delivered Technical Talk on "Remote sensing and GIS" for Civil Engineering students of Department of Civil engineering, Sir M Visveswaraya Institute of Technology on 10th May 2020.





## Paper Publication by the Faculty

Sl No	Name	Title of Paper	Publication citation	National or International Journal
1.	B. V. Sachin	Analytical Study on Strengthening of Rectangular Compression Members by Modifying to Elliptical Shape using Precast Segments and CFRP Wrapping	CRSIDE2020 March 2-4,2020	International Conference
2	Lalithamba .C	Characteristics Of Sugar Industry Waste Water And Performance Evaluation Of Effluent Treatment Plant	Vol. 13, No. 4, (2020), pp. 3156–3163	International Journal of Future Generation Communication and Networking
3.	Dr. Naveen Kumar D T	Experimental investigation on Fibre reinforced concrete using waste plastics and different mineral admixtures.	ICMSMT-2019	International Conference
4	Dr. Lakshmi	Optimization strategies for improved biogas production by recycling of waste through response surface methodology and artificial neural network : sustainable energy perspective research	Journal of Kind Saud University; Science	International Journal
5	B. V. Sachin	Ductility Behaviour of Rectangular Compression Members Retrofitted by Modified Technique of FRP Wrapping	ISSN: 2278-3075, Volume : 9, issue 10 Publication : Aug 2020	International Journal
6	R Sridhar	Effect of silica fume and induction furnace slag in the compaction and strength characteristics of black cotton soil		International Journal
7	Dr. P.S.Ramesh and B.M. Ramesh	Analytical Investigation of Concrete Filled Double Skin Steel Tube Columns Under Axial Compression	26-27 October 2020,	National Conference
8	Dr. Naveen Kumar D T	An Experimental study on utilization of pulverized plastic in concrete as fine aggregates	Vol. 64, issue 2	Solid state technology
9	H Narendra kumar	Green building;“A Sustainable approach”	Vol. 8, issue 1	International Journal

## Rank Holders (2020- 21)

Sl. No	UG & PG	Rank Holders	Photo
1	Krupa B R	VTU 9 <sup>th</sup> Rank (2020-21)	 A portrait of a young woman with dark hair, smiling, wearing a white top with yellow and floral patterns.
2	Varsha S Gowda	VTU 1 <sup>st</sup> Rank M.Tech, Structural Engineering (2020-21)	 A portrait of a young woman with dark hair, smiling, wearing a pink top.
3	Lekhana G S	VTU 5 <sup>th</sup> Rank M.Tech, CAD Structures (2020-21)	 A portrait of a young woman with dark hair, smiling, wearing a yellow and orange patterned top.

## Webinar by Alumini's of Civil Engineering Department

Sl. No	Alumni	Topic	Photo
1	Ms. Vibha N Rao	Usage of BIM in Road building project & corridor modelling in Autodesk Civil 3D.	
2	Ms Kiran Singh	Application of GIS in Municipal Solid Waste Management & Planning.	

## Series of Webinar were organized in Civil Engineering Department

Sl.No	Date of organizing	Name of Technical Speakers	Topic
1	22nd May 2020	Er. Suchindra	Tender and its Process
2	23rd May 2020	Dr. Shankar Murthy,	Sustainability in Environmental Aspects
3	26th May 2020	Dr. Parthasarathy C R	Overview of Geotechnical Investigation –Good Practice
4	28th May 2020	Er. Ramesh Kumar,	Solid Waste Management-Rules 2016
5	27th May 2020	Er. Ashok Kumar,	Construction Management

## **Editorial Board**

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Editorial Advisor : Dr. Puttaraju, Principal &  
Dr. Prasad CSMV., HOD, Dept., of Civil Engineering  
Editor : Lalithamba C, Asst. Professor, Dept., of Civil Engineering

**|| Jai Sri Gurudev ||**

Sri Adichunchanagiri Shikshana Trust

## **SJB INSTITUTE OF TECHNOLOGY**

( Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi )

#67, BGS Health & Education City, Dr. Vishnuvardhan Road,

Kengeri, Bengaluru - 560 060

Ph: 080-28612445\46 Fax: 080-28612651

Email: [principal@sjbit.edu.in](mailto:principal@sjbit.edu.in) Web: [www.sjbit.edu.in](http://www.sjbit.edu.in)