



SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5 Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

CIVIL MAGAZINE

Engineering your dreams with us

January-2021

VISION

To Create Technically Competent, Research Oriented and Ethically Robust Civil Engineers to address the current and future challenges of the society

MISSION

To Enhance proficiency in practical and theoretical concepts of Civil Engineering through a Supportive Environment
To Promote Higher Education, Research and Entrepreneurship in Civil Engineering and allied fields to meet the needs of global environment
To Create Civil Engineers of High Technical Competency with Ethical and Moral

Chairman: Sri G. Dayanand



The "CE-Suddi" Newsletter of the Civil Engineering department is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to show case their creativity. So, I take the opportunity to congratulate the department of Civil Engineering and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.

Executive Director: Sri G. D Manoj



I am indeed happy to know that the Civil Engineering department has taken initiative in realizing its monthly newsletter "CE-Suddi" and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of Civil Engineering.

Principal's Desk



It gives me immense pleasure to note that, SCE has been publishing bi-annual newsletter and I am sure, this will provide an opportunity for the faculty and students to share their knowledge and beacon the information about various issues and activities that are being taking place in the department. I look forward for more activities and achievements for the department to march towards excellence in the future. I would like to thank all teaching, supporting staff and our beloved students for their active participation in publishing this magazine. My special compliments and congratulation to the editorial team of the department for their consistent effort in publishing this newsletter.

Vice- Principal's Message - Dr M H Annaiah



I am very happy and delighted to know that our college is bringing out the college newsletter. SCE is one of the leading premier engineering colleges in the country offering quality technical education to students thereby enabling them to become globally acceptable engineers in their domains. The newsletter provides a platform for both faculty and students to showcase their achievements and hidden talents. I congratulate our beloved principal and members of editorial board for bringing out this excellent and informative newsletter on time.

HOD'S Desk



I am very happy to bring out the Departmental newsletter "CE-Suddi". This newsletter outlines various activities that have taken place during the period August-September 2019 and the achievements of faculty and students. It is great to find a considerable number of articles, poems and art that certainly prove that our staff and students are adequately equipped and possess necessary skill sets to express their talent. Sincerely congratulate the Chairman, Principal, Vice Principal and editorial team of the department for their unrelenting efforts in compiling this News Letter.

ENGINEERS DAY-2020

The Department of Civil Engineering celebrated Engineer's Day on September 16th 2020. The Engineering Community across India is celebrating Engineers Day on 15 September every year as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya (Popularly known as Sir M V).



Dr.Manjunath G R delivered the importance of celebrating Engineer's day and he also conveyed the message saying that each and every student can put their effort towards the industry revolution. Dr.H Ramakrishna, Principal of SCE has shared his views on the Engineers day importance and responsibility of Engineers in this society. On this day Mr.G.Raghu, High Tech Constructions, Bengaluru delivered the technical talk on Dream Home-Do's and Dont's.



Technical Talk on "Industry Institute Interaction"

Department of Civil Engineering organized one day Technical Talk on *Industry Institute Interaction* on 14th October 2020 with the support of management and principal. The Resource person General Manager of Dalmia Cement, Venkataram Reddy, Bengaluru delivered a lecture on Technical Education forms, interaction between institute and industry, global completion and unemployment.

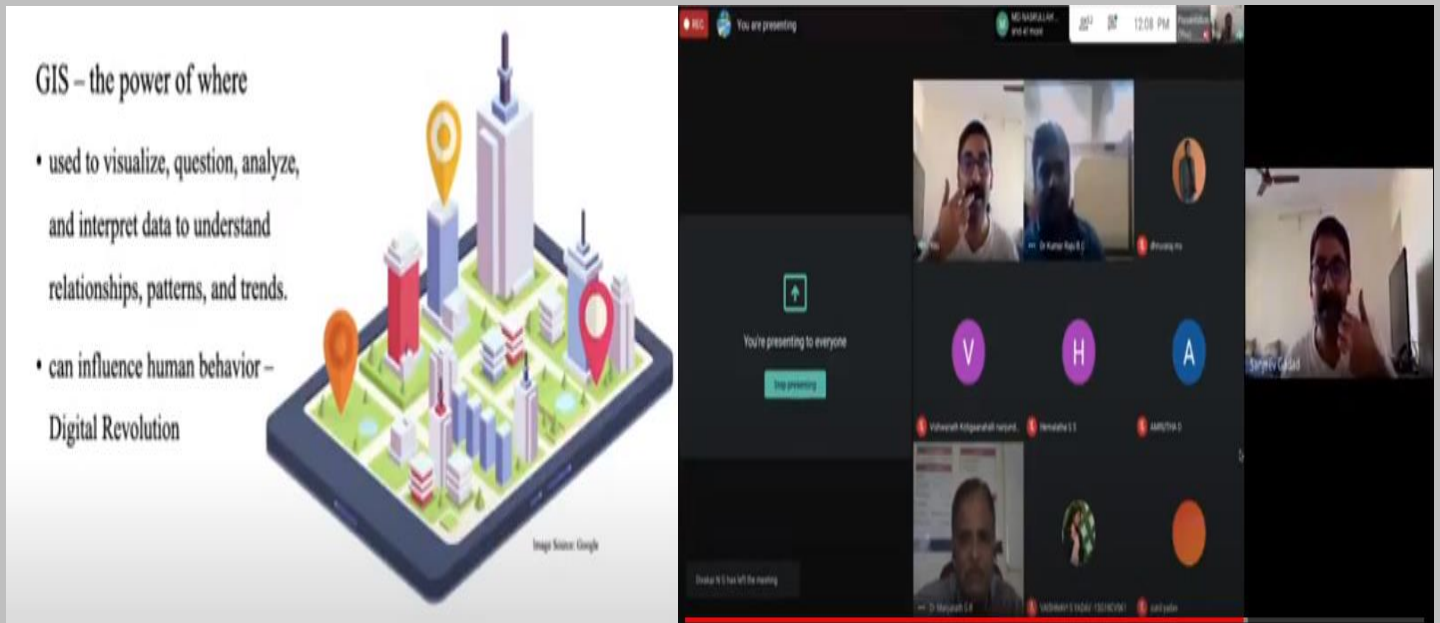


He explained about bridging gap between industry and institute, promotion and coordination of consultancy services, use of resources from industries and institute for benefit of industries, students and society, creation of industries institute expertise database, training and knowledge update through faculty exchange, joint R & D activities, short-term courses for manpower development etc. causes of poor interaction like lack of interest from both sides, curriculum is not planned as per the job profile, insufficient teaching time and learning time because of late admissions and more number of holidays.

Obsolete lab facilities do not attract industry to interact with the institute. Mode of interactions like Institute to Industry. Industry to Institute. Industry- Institute joint efforts and other strategies. Industry-Institute Joint Efforts. Benefits of Industry Institute Interaction like-greater resource generation, Improved quality of faculty, More relevant curriculum, Better Placement of students, Better utilization of expertise and facilitated industry. Students should be encouraged to undertake the final year projects in Industry partly or fully with a joint supervisor from industry. Industry should give R&D problems to Institute and also provide good training to students under training as they are going to be the important part of industry after completion of the studies. Experts from the industry should be invited by the Institute regularly to share their practical knowledge with the faculty and students.

Webinar on “GEO-INFORMATICS APPLICATIONS”

A Webinar on “GEO-INFORMATICS APPLICATIONS” was conducted on 19th November 2020 through Google meet under the guidance of Dr. Manjunath G R, Head of the Department- Civil Engineering. In the presence of Dr. H Ramakrishna, Principal, SCE. Dr. Sanjeev Gadad, Post Doctral Fellow, IIT Bombay, delivered a lecture on Geo-Informatics Applications. He explained about Remote sensing and GIS applications in civil engineering. How remote sensing data is converting of special reflectance value to digital number, physics of remote sensing in that he explained about reflectance and wave length and also explained about Drone, what happens if you fly drone very high/close to the target. Natural resource management and assessment applications, Geo stationary, low earth orbit and polar and he explained about Geographic Information System (GIS), vector data model and raster data model. There are 17 sustainable development goals as civil engineers we are part of it.



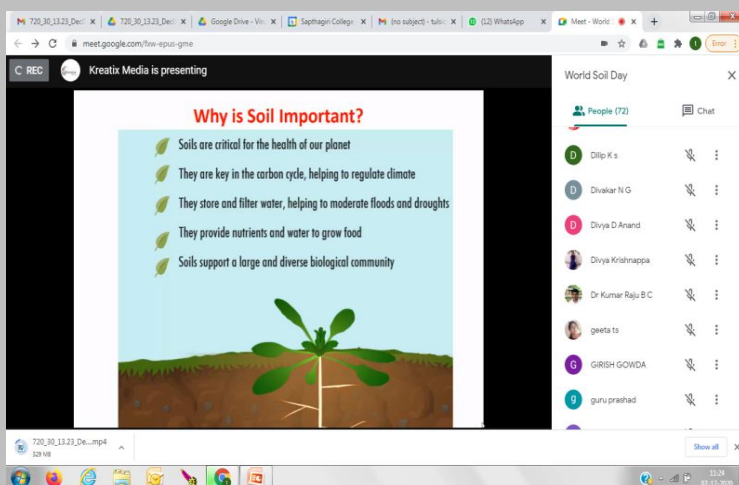
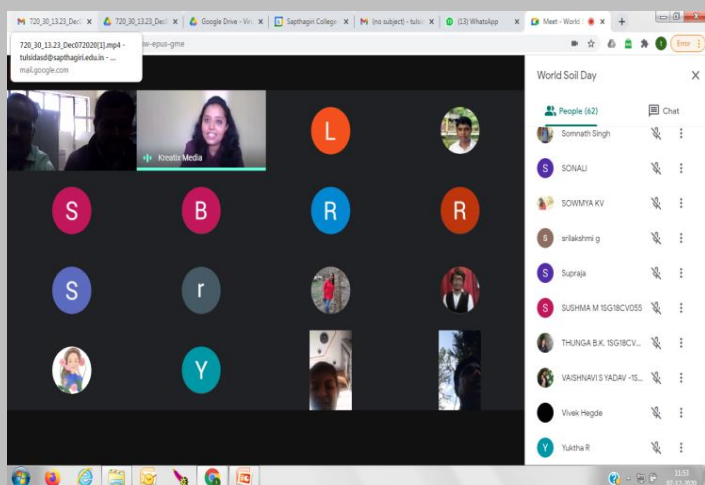
Webinar on “World Soil Day”

The Department of Civil Engineering organized NSS online program on “World Soil Day” under the banner of The Institution of Engineers (India) Student chapter on 07-Dec-2020 in association with Shristi Forum, BT and NCC committee, SCE. The session was open for the students. The resource person for the talk was Ms. Anjali Ramachandra, Co-Founder, Avani Green Factory, Founder Director, Kreatix Media, Bengaluru.

The Aim & objective of the program is to make understand and provide information regarding –

- The theme of World Soil day 2020, according to the Food and Agriculture Organization (FAO) campaign, is “Keep soil alive, protect soil biodiversity”.
- By encouraging people around the world to engage in proactively improving soil health, the campaign aims to fight soil biodiversity loss.
- If the fertility of the soil is not ensured, it could threaten global food supplies and thereby food safety.
- According to FAO, the campaign aims to raise awareness of the importance of maintaining healthy ecosystems by addressing the growing challenges in soil management, fighting soil biodiversity loss and encouraging governments, organisations, communities and individuals around the world.

Talk is conducted through Zoom meeting; it had an interactive session where the queries were answered by the resource persons. About 50+ participants attended the orientation talk. It was an enlightening and fruitful session.



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