

## **VTU AICTE Activity Programme:**

### **Collaboration of KSSEM with SKVM School for implementing SHARE initiative**

As a part of the VTU AICTE Activity Programme which focuses primarily on enhancing the soft skills, leadership qualities, team spirit of students and developing entrepreneurial capabilities and societal commitment, the students of 4<sup>th</sup> semester civil engineering department keenly participated in the SHARE (Seniors Helping the Achievement of Rurals in Education) initiative launched by Sai Krushna Vidya Mandir (SKVM) School on 20<sup>th</sup> August. The SHARE initiative enables senior college students to help junior school students to achieve success.

An Orientation programme was held to interact with the students of 4<sup>th</sup> semester at the Department of Civil Engineering, KSSEM on August 13<sup>th</sup> 2022 chaired by Dr.Rangarajan, ex-Director of ISRO and a part of the Sai Krushna Charitable Trust (SKCT) who seeks to provide better quality and affordable solutions for rural and remote areas in the field of education. Through the orientation programme, Dr. Rangarajan shared his thoughts and ideas about the SHARE initiative and its objectives. He addressed 19 students of 4<sup>th</sup> semester regarding the novel SHARE initiative, stressing the importance of one-on-one learning and that SHARE intends to measure the improvement in performance by comparing the responses to a pre and post test in each topic of the subject.



**Dr. Rangarajan addressing students of 4<sup>th</sup> semester civil engineering during orientation**

Dr.Rangarajan also went on to explain the way forward on how to present some of the concepts in the chosen topic from a different perspective to the students and help them understand the basics of mathematics in a simple way. Inclusion of real-life examples involving math and introduction of innovative teaching techniques would further assist in making the students understand the different concepts of mathematics in an easier and practical manner.

The Engineering students were required to go through the test results and responses of the pre-test to understand the challenges faced by students and plan their sessions. They were required to identify questions where a majority of students have faltered so that the respective concepts could be explained to the whole group, as well as questions where a few students in the group have got it wrong so that these concepts could be taken up with the respective students on a one-on-one basis. The topics of arithmetic and algebra were covered on August 20<sup>th</sup> and the remaining topics on mensuration and geometry were covered on August 27<sup>th</sup>.

Around 50 students from classes 9 and 10 of SKVM School participated as learners and about 18 students from KSSEM participated as student-faculty for the learners. The learners and the student-faculty were divided into six groups each with 8 students in each group being tutored by 3 student-faculty from KSSEM. This way, the school students would be ensured of individual attention which is important in any teaching-learning process.

Our 4<sup>th</sup> semester students at KSSEM visited SKVM on two consecutive Saturdays i.e. August 20<sup>th</sup> and August 27<sup>th</sup> 2022 to facilitate conceptual learning and clarification of doubts in the subject of Mathematics. Additionally, models were made by the KSSEM students pertaining to specific topics of mathematics in order to assist easy teaching as well as understanding.



**Instructions to students before starting the start of the sessions**



**Student-faculty teaching junior students**

The results of pre-test and post-test were analysed and it was observed for class X students that the class average marks in the monthly math test improved to 6.35 out of 20.



**Student-faculty teaching junior students in six groups**