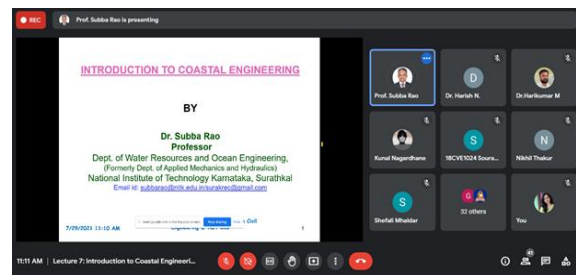
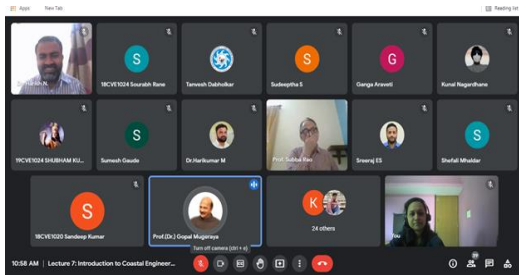


ONLINE LECTURE SERIES FOR STUDENTS ON ADVANCEMENTS AND TRENDS IN CIVIL ENGINEERING IN ASSOCIATION WITH CIVIL ENGINEERING STUDENTS COUNCIL

A lecture on “*Introduction to Coastal Engineering*” was delivered by Dr. Subba Rao, Professor, NITK Surathkal on 29/07/2021. Director, NIT Goa Prof. Dr. Gopal Mugeraya addressed the function. The event was conducted on Google meet platform and was attended by the HoD, faculty and students of the department.



Dr. Subba Rao spoke about the functions and responsibilities of Coastal Engineering. Various structures for coastal erosion mitigation such as Groin system, coastal revetment was discussed. Different components of waves such as the wave length, wave height, trough and crest was explained. The classification of waves based on relative water depth and mode of generation was presented. Also measurement of waves using wave rider buoys was discussed.

The different waves theories and wave structure interaction was explained in detail in the lecture. Dr. Subba Rao explained the phenomena of wave refraction, wave shoaling and wave diffraction. The causes of coastal erosion, its mitigation and challenges was discussed. A case study of the sea sled conducted by NITK was presented.

A few snapshots of the event are below:

