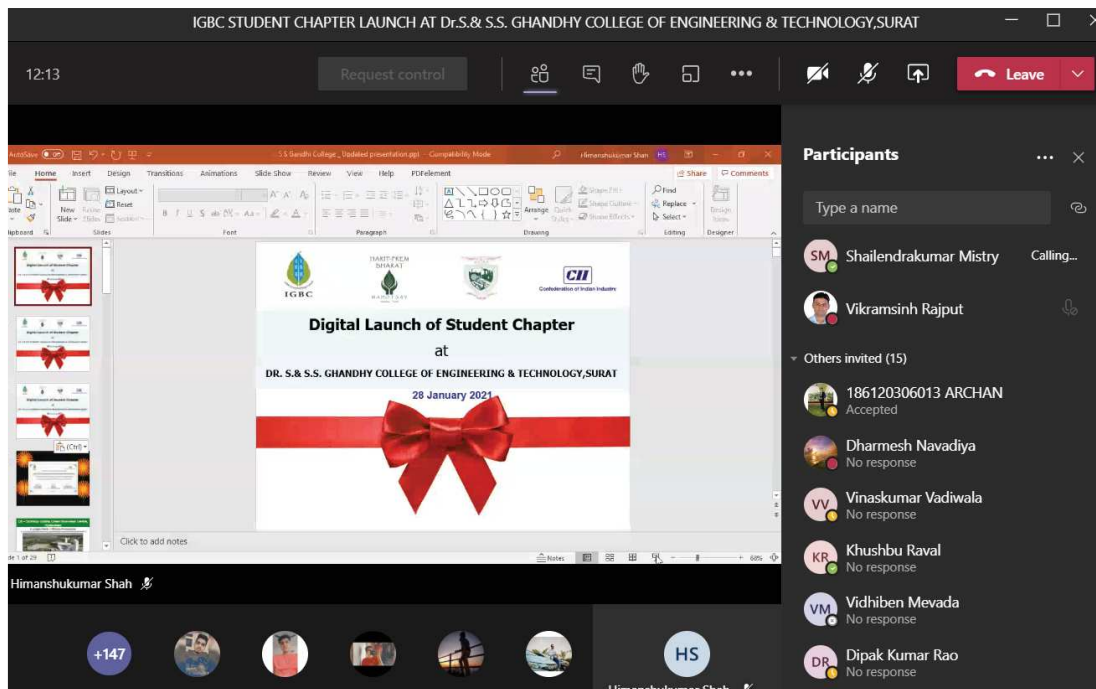


Civil Bulletin

Civil Engg. Department, Dr. S. & S. S. Ghandhy CET, Surat



Launching of IGBC student's chapter

IGBC Surat Chapter Chairman Shri. Snehal Shah officially announced the launch of Student Chapter at the Institute and appreciated the Institute for its involvement for sustainable construction.

Special invitee Dr. Krupesh Chauhan, Professor SVNIT, Surat addressed the session and appreciated Institute for launching Students Chapter and joining the Green Movement for sustainable development in the field of Civil Engineering.

Tolerance is the
homage which the
finite mind pays to
the inexhaustibility
of the Infinite.
-S.Radhakrishnan

All power is
within you;
you can do
anything and
everything.
-Swami Vivekanand

There is no
god higher
than truth.
-Mahatma Gandhi



GTU Theory Exam

GTU conducted sem-3 and sem-5 offline theory exam of 2 hours duration.



Surat Metro-Rail Project

SMC inaugurated the metro-rail project in city with phase-I.



Offline Classes for Sem-1

Based on government guidelines, classes of sem-1 conducted offline.

Robotics in Construction Industry

Built Robotics feature an autonomous dozer, excavator, and skid steer.

Robotics holds much potential for the construction industry. As most of the construction industry faces a labor shortage, construction robots are a potential solution in many people's eyes.

Japan's National Institute of Advanced Industrial Science and Technology (AIST) has been developing humanoid robots since the early 2000s. AIST is now on their 5th generation humanoid robot, the HRP-5P. The HRP-5P was able to independently handle and carry large, heavy objects at a mock construction site. In the future, AIST plans to use the HRP-5P as an R&D platform for future robotics.

“Top ten building innovations for Civil Engineers”

1. Self-healing concrete
2. Thermal bridging
3. Photovoltaic glaze
4. Kinetic Footfall
5. Kinetic Roads
6. Predictive Software
7. 3D Modelling
8. Modular Construction
9. Cloud Collaboration
10. Asset mapping

WATER PURIFICATION

Water purification, process by which undesired chemical compounds, organic and inorganic materials, and biological contaminants are removed from **water**.

The **purification** procedure reduces the concentration of contaminants such as suspended particles, parasites, bacteria, algae, viruses, and fungi.