



Dr. S. & S. S. Ghandhy Government Engineering College, Surat.

An expert lecture on “*Innovation in Civil Engineering through Drone Technology: A Practical Demonstration*” was successfully organized by the **Civil Engineering Department** and **ISTE Students’ Chapter** of *Dr. S. & S. S. Ghandhy Government Engineering College, Surat*, in association with **SSIP 2.0** and **DIC Cell**. The session was conducted on **25th August 2025 (Monday)** at **C-101, Civil Seminar Hall**, starting from **1:10 PM onwards**. The expert speaker for the session was **Mr. Riv Nehariwala**, Co-founder & CTO of *Skymapper Drones, Surat*, who possesses significant expertise in drone technology and its applications in civil engineering.

The lecture focused on the growing importance of drone technology in modern civil engineering practices. The expert elaborated on how drones are transforming traditional methods of surveying, mapping, and infrastructure monitoring. Key topics discussed included aerial surveying, photogrammetry, GIS integration, real-time data acquisition, and the use of drones in construction site monitoring and disaster management. A major highlight of the session was the **practical demonstration**, where participants were introduced to drone operations, flight planning, and real-time data capturing techniques. The demonstration helped students understand how drones can generate accurate topographical data, 3D models, and digital elevation models efficiently. The session emphasized the advantages of drone technology such as improved accuracy, reduced time and cost, enhanced safety, and accessibility to difficult terrains.

The expert also discussed regulatory aspects, career opportunities, and the future scope of drone applications in civil engineering. The lecture concluded with an interactive question-and-answer session, where students actively engaged with the speaker and clarified their doubts regarding technical and practical aspects of drone usage. The event was conducted under the guidance of **Dr. S. R. Joshi (Principal)**, with coordination support from **Dr. S. I. Waikhom (HOD Civil)**, **Dr. M. K. Chudasama (SSIP & DIC Coordinator)**, and faculty coordinators **Dr. D. J. Mehta** and **Prof. P. G. Tandel**. Overall, the expert lecture proved to be highly informative and beneficial, providing students with valuable exposure to emerging technologies and encouraging innovation in the field of civil engineering.





SSIP



**Dr. S. & S. S. Ghandhy Government Engineering College,
Surat**

**Student Start-up Innovation Policy (SSIP), Cell
&
GTU Innovation & Start-up Centre, Surat**

Jointly Organizes

Expert Session On

Innovation and Start-up Ecosystem Enablers



Mr. Chitrang Shah

**Growth Specialist | Expert Problem Solver
Innovative Technology Consultant | AI Enthusiast**



**13th August 2025
10:45 am onwards**

Venue: C-101, Civil Seminar Hall

Patron

**Dr. S. R. Joshi
Principal
DGGEC, Surat**

Convener

**Dr. M. K. Chudasama
SSIP Co-ordinator
DGGEC, Surat**

Coordinator

**Dr. D. J. Mehta
Asst. Prof., CED
DGGEC, Surat**

Coordinator

**Mr. Vishal Rathod
Admin, Incubation
GTU innovation and Start up
Centre**