



S.P.B PATEL ENGINEERING COLLEGE  
SAFFRONY INSTITUTE OF TECHNOLOGY  
CIVIL ENGINEERING DEPARTMENT

PRESENTS

5 DAYS WORKSHOP [7<sup>th</sup> June 2021 to 11<sup>th</sup> June 2021]  
ON

# TECHNOLOGIES SHAPING CIVIL ENGINEERING



HYPERLOOP

5G In  
CIVIL  
ENGINEERING

AR/VR



Origami  
To understand  
Structural Design

BIO-  
MIMICRY ENGINEERING  
inspired from NATURE



## Building Information Modelling

BIM is used for creating and managing data during the design, construction, and operations process.

BIM integrates multi-disciplinary data to create detailed digital representations that are managed in an open cloud platform for real-time collaboration.

## About the Workshop

The aim of this 5 day workshop is going to be to explore Disruptive Technologies that are shaping the world of civil engineering and the world itself. Technologies like BIM, Application of 5G in Civil, AR/VR, Smart Gadget for Civil Engineering, Hyperloop, Biomimicry and many more shall be explored. Along with an assignment related to every topic, there will also be one mega project encompassing majority subjects of Civil Engineering which shall be explored during the workshop.

The workshop shall consist of:



Exploration



Participation



Learning

Expert:

Prof. Avani Dedhia  
(Civil Engineering  
Department)

Saffrony Institute of  
Technology