



**Charotar University of Science and Technology  
(CHARUSAT)**

**Chandubhai S.Patel Institute of Technology  
(CSPIT)**

**V.T. Patel Department of Electronics and  
Communication Engineering.**

**A  
Report of**

**Ai-Driven Solutions &  
Vibecoding Workshop.**

Date & Time : 27/02/2026, 12 pm onwards  
Faculty coordinator : Prof. Dhara M Patel.

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**Faculty Co-ordinator**

<b>Sr no.</b>	<b>Name</b>	<b>Designation</b>	<b>Contact Details</b>
<b>1</b>	Prof. Dhara M Patel	Assistant Professor	dharampatel.ec@charusat.ac.in

**Student Co-ordinators**

- 1) 25EC112 , Yuvrajsinh Rathod.
- 2) 25EC080, Jeet Patel.
- 3) 23EC014, Moksh Chavada.
- 4) 23EC017, Kavya Dabhi.

**Name of the Event** : Ai-Driven Solutions & Vibecoding Workshop.

**Date** : 27/02/2026

**Target Audience** : Semester 2 students.

**Total no. of Participants** : 20

**Academic Year** : 2026-27

**Introduction** : The Ai-Driven Solutions and Vibecoding Workshop was designed in order to familiarise the participants with the on-going trends & changes in the immense field of **Artificial Intelligence and Generative Ai**. As well as get a grasp on the basic Open Source Collaboration and Project management platform such as **Git/GitHub & Vercel**. The latest 2025 edition **Google Antigravity IDE's** were a major focus for zero hand written code application development and student reliability on the art of *prompt engineering*, thus creating an environment of VibeCoding amongst students.

### **Learning Outcomes :**

-> Latest AI tools experience gain : Although traditionally *codeblocks*, *vim*, *vscode* are heavily reliable text editors for coding. There are some highly advanced integrations of Vscode and modern IDE's which help students to understand, write code with the help of Gen-AI itself. Which saves a lot of time, instead of manually writing pieces of code. Best example demonstrated was by using Google Antigravity, which uses participant's core prompted ideas, in a rough workspaces, provides human friendly designs related to the specific tasks as well as implementation plans ready-to go.

-> **Skill development** : By the usage of Ai Tools, participants can convert their original ideas into creative problem solving prompts, or even elaborate their knowledge to let the LLM models think and provide them with *pros and cons of their questions*. Thus this directly involves the evolution of an individual's thought process. Deciding at each stage for what more they should look for in depth, makes their minds curious to find new resources, as well as better alternatives to their ideas.

-> **Problem solving** : The majority of the background task of building a solution is taken care of by Orchestration tools. The human ability which involves tackling problems related to day to day life in the given domains, is what makes their individual projects unique. Background knowledge or further understanding, in order to bring an appropriate solution to their proposed problem statements with the help of AI makes it easy.

-> **Collaboration** : Students share their homeworks, study test cases etc. in their day to day life.

Here we demonstrated an effective role of Git/GitHub, which actually makes collaboration of work on small - medium scaled groups of students easier. In fact the web-applications as well as the platform made for hosting the projects was designed itself in such a way that each team/user's work was connected in a *peer-to-peer network*.

-> **Conclusion** : Last but not the least, handling self paced projects using traditional methods

or diversifying it with the help of Gen-Ai. Students can practise furthermore ,such that their team work with the help of such modern tools becomes incredibly speedy ,reliable and creative.

# AI DRIVEN SOLUTIONS AND VIBE CODING WORKSHOP



## DATE

27th February



## TIME

09:30 AM Onwards



## PARTICIPANTS

1st Year  
Students

## FACULTY COORDINATOR

Prof. Dhara M Patel

## VENUE

Semiconductor Lab, No-227

## STUDENT COORDINATORS

Yuvrajsinh Rathod

Jeet Patel