



Government Engineering College Valsad

Institutional Hackathon 2024

for

Smart India Hackathon -2024



**Ministry of
Education**
Government of India



**SMART INDIA
HACKATHON
2023**



About the Event

Government Engineering College Valsad has organized the institutional hackathon in order to select the students' teams for Smart India Hackathon 2024. The departments have actively participated in the event to make it more competitive and rigorous. The teams of students according to the rules of SIH 2024 have been formed and the problem statements have been selected for the probable best solution ideas. The proposed ideas were thoroughly investigated and mentored by the jury members and the mentoring faculty members. The details of the field wise problem statements, jury members, selected proposal of ideas are as given below.

Electrical Engineering Department

Internal Hackathon Date : 10/09/2024

Details of Jury Members:

Name of Jury Member	Organization of Jury Members	Department of Jury Members	Mobile Number of Jury member	Email Id of Jury members
Dr. K. L. Mokariya	Government Engineering College Valsad	Electrical Engineering	9825785839	klmokariya@gecv.ac.in
Prof. N. I. Patel	Government Engineering College Valsad	Electrical Engineering	9727205422	nipatel@gecv.ac.in

Participation Details

No of Teams that participated	Total No of Students Participated	No. of Female participants	No. of Male participants
4	21	7	14

Proble Statement Detail

Problem statement (PS) attempted by team	Number of teams participated against this PS	No. teams selected against this PS
SIH1605- Women Safety Analytics – Protecting Women from safety threats (Theme: Miscellaneous)	1	1

SIH1539- Student Innovation (Theme: Fitness & Sports)	1	1
SIH1530-Student Innovation (Theme: Renewable / Sustainable Energy)	1	1
SIH1535- Student Innovation (Theme: Smart Vehicles)	1	1

Photographs of Internal Hackathon



Chemical Engineering Department

Internal Hackathon Date: 12/09/2024

Details of Jury Members:

Name of Jury Member	Organization of Jury Members	Department of Jury Members	Mobile Number of Jury member	Email Id
Dr. N. M. Patel	GEC, Valsad	Chemical Engineering	9426024961	Prof.nmpatel@gecv.ac.in
Dr. S. K. Shrivastav	GEC, Valsad	Chemical Engineering	8469401935	skshrivastav@gecv.ac.in
Dr. N. R. Vaghela	GEC, Valsad	Chemical Engineering	9427155966	nrvaghela@gecv.ac.in

Participation Details

No of Teams that participated	Total No of Students Participated	No. of Female participants	No. of Male participants
07	41	12	29

Problem Statement Detail

Problem statement (PS) Attempted by team	Number of teams Participated against this PS	No. teams selected Against this PS
Sustainable Utilization of 100% of Ash from Coal based Thermal Power Plants	01	01
Innovation for sustainability: Driving smart resource conservation(energy & water) in home appliances(refrigerator, air conditioner, washing machine and desert air cooler)	01	01
Sustainable business	01	01
Grey Water management (GWM)-Implementing low cost technical solutions to mitigate water contamination, especially removal of contaminants, before discharge into rivers and lakes.	01	01
Comprehensive grey water management systems	01	01
Renewable/sustainable energy	01	01
Innovation ideas that help manage and generate renewable /sustainable sources more efficiently	01	01

Photographs of Internal Hackathon

