Tech Winter Break

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University School of Automation & Robotics (USAR), Guru Gobind Singh Indraprastha University
East Campus, Surajmal Vihar, Delhi - 110092
Organised by Google Developer Group (GDG) on Campus USAR - Event Report
(Academic Year 2024-2025)

1. Event Details

Particulars	Details
Name of the event	Tech Winter Break
Organised by	Google Developer Group (GDG) on Campus, USAR, GGSIPU
Academic year	2024-2025
Dates	8 December 2024 (Web Development Basics) and 12 December 2024 (App Development Basics)
Timings	7:00 PM - 8:30 PM IST on both days
Mode	Online
Target audience	Students from various domains and branches
Technologies covered	HTML, CSS, JavaScript, React, Dart and Flutter
Registrations	139 (Web Development session) and 84 (App Development session), on the GDG community platform

2. Introduction

Tech Winter Break was a series of online workshops organised by GDG on Campus USAR during the winter break of 2024. The workshops taught technical skills to students from various domains using Google technologies, with the aim of helping them begin their journey in web and app development.

3. Objectives

- To teach practical technical skills to students from different domains and levels of experience.
- To introduce students to Google technologies used in web and mobile application development.
- To build the foundation students need to take part in the Google Solution Challenge.
- To make productive use of the winter break through structured, hands-on learning.

4. Event Description

The event was held online in two sessions, each lasting an hour and a half.

Session 1 – Web Development Basics (8 December 2024). The first session covered the fundamentals of web development. Students learned HTML and CSS to structure and style web pages, JavaScript to add interactivity, and were introduced to React, a library for building modern and scalable web applications.

Session 2 – App Development Basics (12 December 2024). The second session covered the basics of mobile application development. Students learned the fundamentals of the Dart programming language and were introduced to the Flutter framework for creating cross-platform mobile applications.

The sessions were open to beginners as well as to students who wanted to refresh their knowledge, so that participants from any branch could take part.

5. Conclusion

Tech Winter Break gave students from different domains a structured introduction to web and app development using Google technologies. The workshops equipped them with the basic skills needed to build their own projects and to participate in the Google Solution Challenge, and added to the technical activities conducted by GDG on Campus USAR during the academic year.