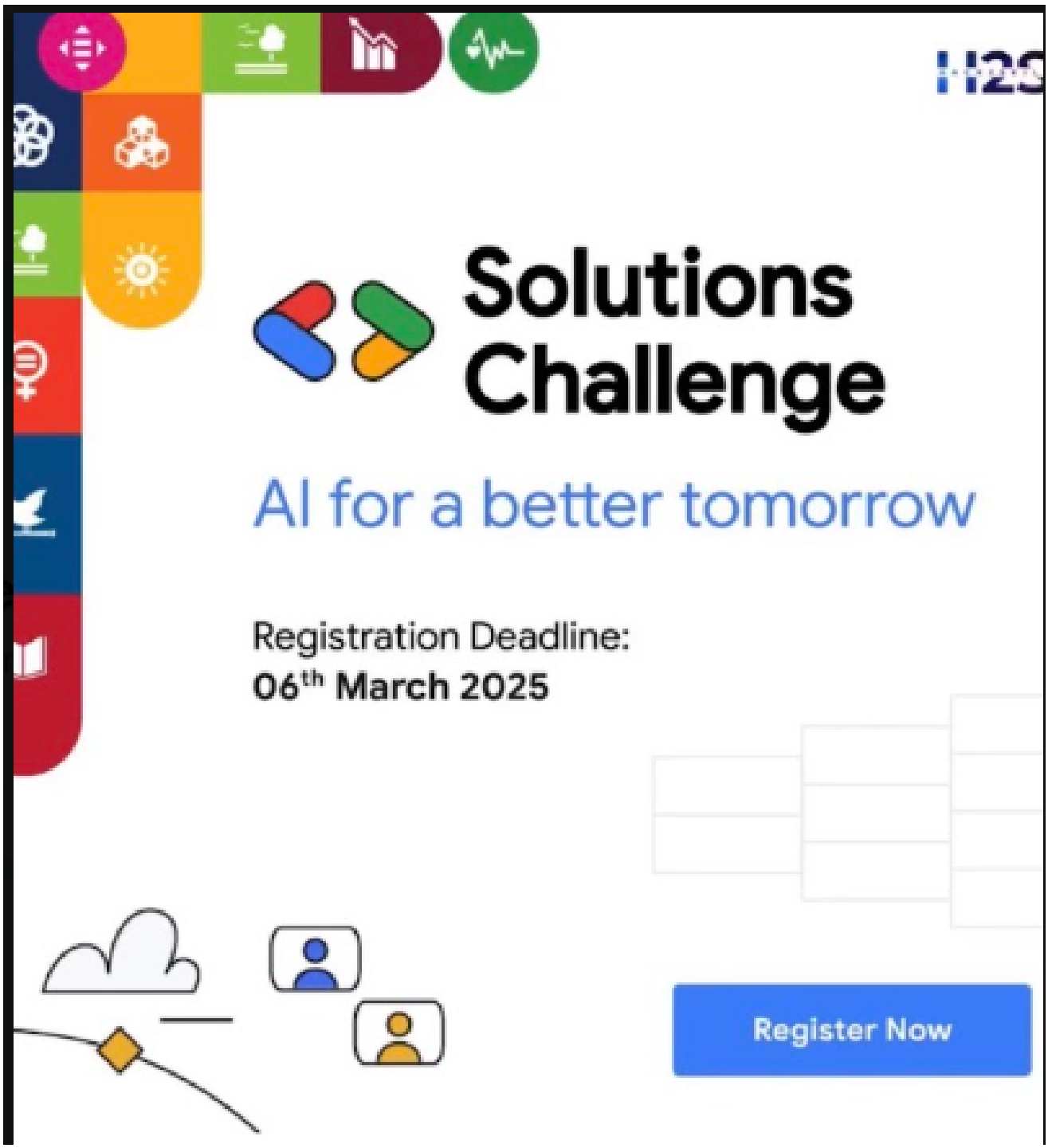
Google Solution Challenge



# Google Solution Challenge

**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 | Google Solution Challenge |
| Organised by | Google Developer Group (GDG) on Campus, USAR, GGSIPU |
| Academic year | 2024–2025 |
| Mode | Online |
| Format | Open innovation hackathon |
| Theme | Solutions pertaining to 12 Sustainable Development Goals (SDGs) |
| Preparatory sessions | Tech Winter Break workshops – Web Development Basics (8 December 2024) and App Development Basics (12 December 2024) |

## 2. Introduction

The Google Solution Challenge is a hackathon in which student developers build technology solutions to real-world problems using Google technologies. GDG on Campus USAR conducted the challenge in online mode as an open innovation hackathon, inviting students to develop solutions pertaining to 12 Sustainable Development Goals (SDGs) of the United Nations.

The open innovation format allowed students to choose the problem they wanted to solve within the chosen goals, instead of working on a fixed problem statement.

## 3. Objectives

- To encourage students to build technology solutions for social and environmental problems linked to the Sustainable Development Goals.
- To introduce students to Google developer tools and technologies, including AI tools.
- To give students experience of designing, building and presenting a complete solution in a team.
- To prepare students to take part in national and global technology competitions.

## 4. Event Description

The Solution Challenge was held online, so teams developed and submitted their work remotely. Students were free to select a problem within the 12 SDGs and propose an original solution, which made the hackathon open innovation in nature.

To prepare students for the challenge, GDG on Campus USAR conducted two workshops under Tech Winter Break: a Web Development Basics workshop on 8 December 2024 covering HTML, CSS, JavaScript and React, and an App Development Basics workshop on 12 December 2024 covering Dart and Flutter.

Under the programme guidelines, teams present their solution through a project deck and a short demo video, and solutions are assessed on factors such as innovation and creativity, relevance to the problem, ease of use and scalability.

## 5. Conclusion

The Google Solution Challenge gave students of USAR a platform to apply their technical skills to problems that matter to society. The preparatory workshops and the open innovation format helped students of different skill levels take part, and the event added to the technical activities conducted by GDG on Campus USAR during the academic year.