

## **Spark Club Activity on Smart Home Automation**

The department of **Electrical and Electronics Engineering** organised a **Spark club activity** titled **Smart Home Automation** on **13-09-2025** at **1.30 pm**, in **seminar hall 2**.

The judge for this event was Mr. Rajesh R, a global freelance consultant, an alumnus of MVJCE. The event consisted of three rounds. Over 85 students from the 5th and 7th semesters of EEE actively participated in this event

### **Objectives of the Event**

The primary objectives of the event were:

- To introduce students to recent trends, innovations, and developments in the field.
- To foster technical curiosity and self-learning among participants.
- To enhance communication, teamwork, and leadership abilities.
- To nurture talents and provide a platform for students to showcase their skills.
- To give students first-hand experience in taking initiative and working under constraints.

### **Event Overview**

**The activity consisted of three rounds:** Round 1: Fastest Finger First (Kahoot Quiz)  
The first round was conducted using the Kahoot platform. Smart automation components were displayed, and students had to quickly identify the correct answers. All students actively participated in this round, and based on their performance, participants were shortlisted for the next stage.

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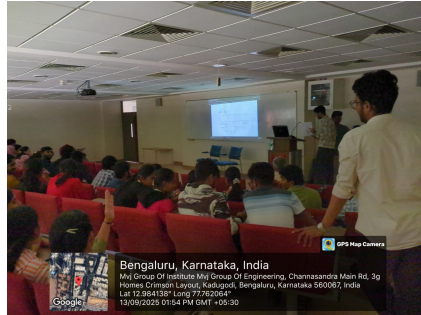


Figure 1: Round 1

### Subfigure with Labels (a), (b) and Hyperlinking

2 Round 2: Circuit Detective In this round, circuits with missing components were shown to the participants. The task was to identify and name the missing component correctly. This round tested the students' understanding of circuit design and practical knowledge of automation components. From the combined results of Round 1 and Round 2, six groups were selected for the final round.

Round 3: Automation Arena (Final Showdown) The final round was a presentation round where the six shortlisted groups presented their ideas/solutions. This round allowed students to showcase their creativity, communication skills, and technical knowledge in automation ?? and Figure 2b.

Day	Time	Session Details
Saturday, September 13 2025	1.30 - 2.30 pm 2.30 - 3.30 pm	Round 1 and Round 2 Round 3
Saturday, September 13 2025	3.30 - 4 pm	Prize Distribution

Table 1: Schedule of the Event

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(a) Round 2



(b) Round 3

Figure 2: Club Activity Pictures

## Outcomes and Impact

- Improved creativity, critical thinking, and problem-solving abilities.
- Provided opportunities for students to take initiative and lead teams
- Created a lively and enjoyable environment that boosted morale and reduced stress

## Conclusions

The Club Activity on Smart Home Automation has been conducted successfully. The winners were awarded certificates by the judges.

**Report by:** Prof. Veena Vanamane

Affiliation: Faculty in the Department of Electrical and Electronics Engineering,  
MVJ College of Engineering