**EVENT SUMMARY REPORT**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Griet/Other institutes/Organization**  **Address:** | GRIET | | | | | | | | |
| **Department** | - | | | **Professional Body** | | | | **Institutional Body** | |
|  | | | | GRIET AICTE IDEALab | |
| **Nature of the Event**  (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extra curricular Activities | Workshop | | | | | | | | |
| **Title / Theme of the Event** | **“Workshop on programming and controlling G-RoVe2 robot vehicle”** | | | | | | | | |
| **Details of the Coordinator & Designation** | A. Radhanand (Coordinator, IDEALab)  Dr. K. Umadevi (Asst. Prof, H&S) | | | | | | | | |
| **Event Dates/Days** | From | | To | | | No. of Days | | | |
| 15/12/2023 | | 16/12/2023 | | | 2 | | | |
| **Details of the Speaker / Guest**  Organization  Address: | - | | | | | | | | |
| **Participants**  (Teaching Faculty / Non-Teaching Faculty / Students) | No. of Faculty | No.  of UG students | | | No. of PG Students | | No. of outside participants | | Total Participants |
| 0 | 22 | | | 0 | | 0 | | 22 |
| **Summary of the Event** | G-RoVe2 is a two-wheel robot vehicle designed and built at GRIET’s AICTE IDEALab. The control card is based on the ESP32 microcontroller. The vehicle is powered by a 9V alkaline battery. The vehicle is equipped with ultrasonic and and IR sensors. The participants did ESP32 programming using the Arduino IDE and used the Kodular programming platform for mobile app development. The projects taken up in the workshop were:  - UI based mobile app control using Bluetooth  - Voice based mobile app control using Bluetooth  - Accelerometer signals based mobile app control using Bluetooth  - UI based mobile ap control using WiFi  - Obstacle avoidance using ultrasonic sensor  - Path following using IR sensors | | | | | | | | |
| **IRG (**in rupees**)** | ----- | | | | | | | | |
| **Expenditure (**in rupees**)** | ----- | | | | | | | | |
| **POs attained with this Event**  (number and description) | Ability to apply basic knowledge of C Programming, mobile app development and embedded system designing. | | | | | | | | |
| **Photographs of the event**  (Hard copy and Soft copy) | C:\Users\HP\Downloads\WhatsApp Image 2024-01-05 at 11.24.04 AM.jpeg  C:\Users\HP\Downloads\WhatsApp Image 2024-01-05 at 11.24.04 AM (1).jpeg | | | | | | | | |
| **Proofs:**   1. **Photos** | Attached | | | | | | | | |

**Signature of Coordinator**