



REPORT

HACKATHON

To bring out the innovative ideas from engineering college students, Hackathon-2022 was organized by IEDC at RCET. Mrs. Shefina Ashraf, Assistant Professor, Department of Electronics and communication was the coordinator of this event.

This event aims at encouraging the young students from various engineering backgrounds to think and build a model on problems defined by the institute.

Campus Oriented

- How to control late entry
- smart solution for campus violence
- Reduce time delay in case of store, office, library & canteen procedures.
- How to centralize the "event & campus achievement records" of the individual student entity's.
- Sustainable development

MAJOR DOMAINS

IoT

- Waste Management
- Traffic Safety
- Simple automation solutions using ESP32/ MEGA R3

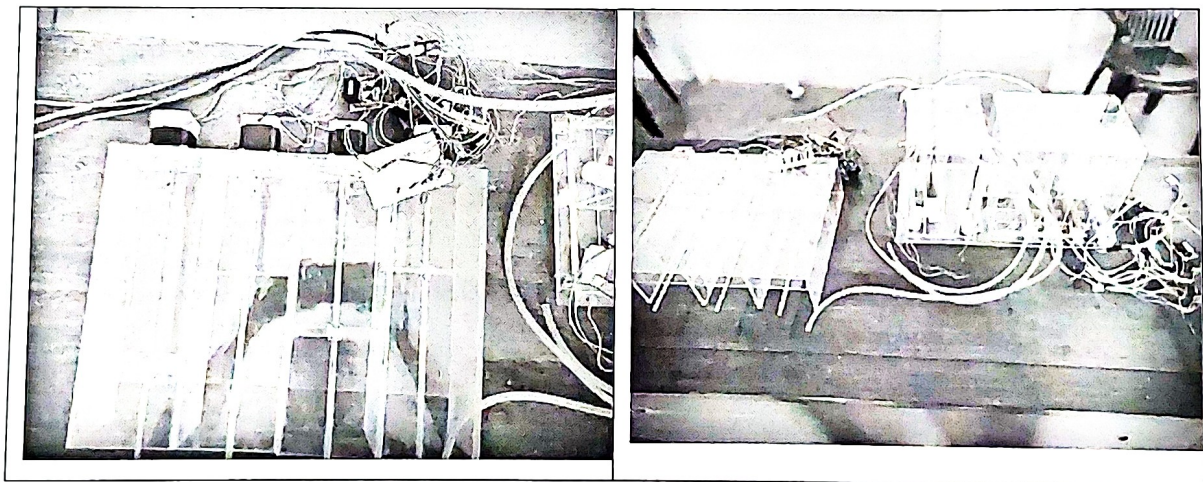
Minor Product Development

- Automatic CPR provider
- Rotating Christmas tree, smart toys
- Under water rescue device
- Innovative "X-mas star"
- Road Tarring Quality Determining device
- Auto feeder for pets based on Health data
- Synthetic drug misuse detection techniques using brain EEG signals

For this event, to encourage student participation campus related activities were also listed in the problem. 18 registrations (consisting of more than 40 students) were received from our students. IEDC Nodal officer, Mr.Dinto Thomas advised all the students to utilize the opportunity to prove their skills within the time allotted. On

12/12/2022 the teams were instructed to submit an abstract of their proposed solution. A presentation was scheduled for the teams on 15/12/2022 at 1.00 pm onwards. Based on their presentation 4 teams were shortlisted. An offline presentation was scheduled for the teams on 17/12/2022 [Entry was open till date]. A set of eminent panel of juries were present there for mentoring and evaluating the teams .

The Panel of judges includes Mr. Dinto Thomas, AP, Dept of EEE, Mr. SAM C, TS, Dept of EC, Mr. Kiran P, HOD, Dept of AD, Mrs. Rinu Sara, AP ,Dept of CE, & Mr. Abu, Workshop Superintendent, Dept of ME. Two teams were selected for the final round of Hackathon. The final round of Hackathon 2022 was conducted on 23/12/2022 at IEDC Cell. The teams presented their Prototypes in front of the panel members. Few were partially completed and only a team proved the completion of the Product within the time frame. The team lead by Akhil, S7 CSE won the Hackathon. "spices + vegetable + sauce assist mechanism".



spices + vegetable + sauce assist mechanism