ROBO-HACK 1.0

SOFTWARE EDITION

What is ROBO-HACK 1.0?

ROBO-HACK is a two-day online hackathon organized by AMURoboclub and it aims at bringing out the techie in you. Making the best use of the quarantine, invest your time in improving your skills and adding new features to your life. Giving a chance to learn and explore new things. The event is divided into three categories i.e. Software edition, Electronics/ Embedded edition and Mechanical Design edition. Here, the details of software edition are discussed.

Registration Details

For Registration go to the following link: **https://www.amurobohack.ml/** and register according to the event you want to be a part of. Last date for registration is **27th March 2020**. You can either register as a team or be a lone wolf.

Eligibility Criteria

Everyone is allowed to participate in this online hackathon, the only restriction is that he/she must be a current student of **Aligarh Muslim University**.

Competition Phases

The hackathon will be conducted in two phases and a cumulative score will be calculated based on the scores achieved in both phases.

1. **The Quiz Round**

   Any one member of the team will apply for this round where you will be challenged with a 15 min Coding Quiz, comprising 15 problems. Problems will be logic based and will be in C language. All the qualifying teams will be eligible for the hack round. The link for the quiz will be shared on the website and whatsapp group on the quiz day.

2. **The Hack Round**

   All the qualifying teams will start working on their selected theme for two days. At exact 11:00 PM on 30th March you need to complete and submit your final project.

Themes

- ❏ Smart City
- ❏ Sustainable development
- ❏ Healthcare and biomedical services

❏ Security and surveillance
❏ Innovation
❏ COVID-19 and Quarantine

Evaluation Criteria

As mentioned previously, the scores will be cumulative based on the scores in both rounds, but some extra points will be given in case of better code quality, high standard tech stack used etc. If the project is deployed or containerized, surely the team will be benefited.

- Obviously a running, completed project will be given a better score but don't hesitate to submit your project. Maybe your idea can contribute to getting you a good score.

Competition Timeline

1. **Last date to Register :** *27 March 2020*
2. **The Quiz Round :** *28 March 2020*   (timing & link will be shared on quiz day.)
3. **The Hack Round :** *29 March 2020 - 30 March 2020*

Submission Guidelines

Note: These rules should be followed strictly.

❖ The product made during the hackathon should be submitted by **11:00 PM, 30 March 2020.** This deadline should be strictly followed as no team will be evaluated if the hack is submitted after this deadline.

❖ An Abstract should be submitted stating the core concept behind your idea/project. It should contain your **Team name, captain name, project details, project name, Github repo link.**

❖ The project should be submitted by the **team captain** on the team-captain's **Github account. Readme** File must be made which should contain all the information related to **Installation, usage package details and dependencies** of the project.

❖ Git history of the hack/project will be checked and it will be evaluated to check who has contributed how much, so try to make regular commits.

❖ Don't Copy paste the whole project from somewhere as it won't make you technically strong. You can copy a particular widget, plugin, feature but don't copy the whole project.

AVOID PLAGIARISM AS MUCH AS YOU CAN. SUBMIT YOUR ORIGINAL WORK.

Note: In case of any query you can reach out to **AMURoboclub** Team.

AMURoboclub wishes you All the Best!