



AMRITA
VISHWA VIDYAPEETHAM

Bengaluru
Campus

AMRITA Honeywell

Amrita Honeywell Hackathon 2021

1st Edition



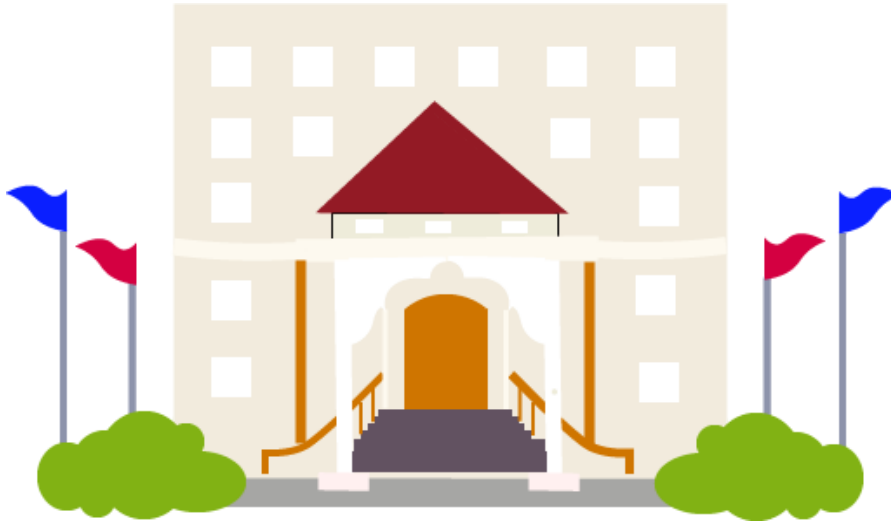
ASE – Bengaluru Campus



FACE

Forum for Aspiring Computer Engineers

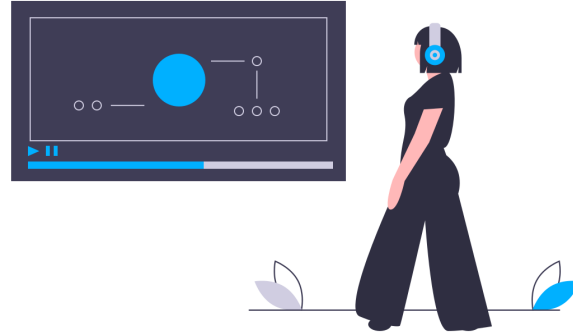
About ASE-B



Amrita School of Engineering, Bengaluru is one of the 4 campuses under **Amrita Vishwa Vidyapeetham**, which offers B.Tech and M.Tech courses in various disciplines. The campus also houses the School of Business, which offers a set of business management degree courses as well. Under the exemplary vision of **Mata Amritanandamayi Devi**, every school believes in the technical and moral development of students. Amrita Vishwa Vidyapeetham has been accredited with an 'A' grade by NAAC and has been **ranked 8th under Best Universities** in 2019, which then bolstered up to **4th** according to the **NIRF rankings of 2020**.

Apart from national accreditations and awards, ASE-B also has profound ties with renowned universities across the globe. The University consists of a plethora of technical and cultural clubs which keep the cool amongst a hectic study schedule through various well-designed activities.

About Amrita Honeywell Hackathon



Amrita Honeywell hack is a mark of pride and a trend-setter among the major events held at college. The hackathon ventures ahead to garner pride and aims at reaching out to a larger number of developers and coders out there for its 1st edition of success at ASE-B. The immense success from our previous hackathons and the encouragement from our sponsors have always inspired us to collaborate with Honeywell for the first edition of Amrita Honeywell.

This year, with the COVID-19 pandemic, things look rough and have forced our efforts and work onto an online platform. However, as tech enthusiasts and developers who are often glued to systems, we introduce Amrita Honeywell as a virtual hack, fully conducted online. The 48 hour event will encourage the brightest coders and techies across all campuses of Amrita School of Engineering to utilize the duration and come up with substantial solutions and products from their own desks. With this hack, we aim at bridging the communication gap between dedicated students and peers in tech who hail from the pioneers in the industry, Honeywell.

Amrita Honeywell in a nutshell

36

Average Team Count

1st

Edition

48h

Duration

B.Tech. and M.Tech.

Students from all years, from all campuses of Amrita School of Engineering are eligible for participation

About FACE

FACE (Forum for Aspiring Computer Engineers) is the CSE Departmental Forum of ASE-B. We're a pro-coding technical club who aim at collective development and collaborative learning by organising workshops, coding events and tech talks.

Amrita Honeywell is the **first iteration** from the organising team of the well-recognised SLAC hackathons under the FACE banner. As we adjust to the new normalcy of working online, in the comforts of our home, the team will make no compromises on the pomp and grandeur of the hackathon, which will be conducted by **FACE in collaboration with Honeywell.**

The Hack

Amrita Honeywell Hackathon will be a 48h virtual contest with problem statements curated by the industry experts at Honeywell. The participants will compete for hefty cash prizes in this massive event and participants will be judged based on the quality and usability of their hack directly by Honeywell.

Medium for Communication: Microsoft Teams

Mode of Submission: Honeywell Accelerator

Participants will be accompanied by mentors and experts from Honeywell throughout the hackathon, who will be ready to answer their queries and help them with their problem statements. Participants can work in teams of 3 people.

Prizes and Perks

- **First Prize:** ₹ 50,000/-
- **Second Prize:** ₹ 30,000/-
- **Third Prize:** ₹ 20,000/-

Participants are expected to submit their hack using Honeywell's Accelerator platform, with appropriate Readme files and a presentation/ video on the working of their hack.

Past benefactors of our hacks

Past Sponsors

GE Healthcare

Honeywell



Jabra GN

Past Platform Partner



Previously Powered By



Problem Statements

Honeywell

Problem Statement 1:

Object Detection of alphabets and numbers on terrain images and videos by applying Deep Learning. Export the output at regular time intervals to a spreadsheet.

Problem Statement 2:

Construct fire network topology map in the iOS mobile app with the given neighbouring nodes information.

Problem Statement 3:

Generate insights from surveillance videos.

Problem Statement 4:

Convert monolithic Windows service application into Web app based architecture with expected functionality. (Architecture and functionality details will be disclosed in the opening presentation of the hack.)

Problem Statement 5:

Create and identify a ML model to train and test a dataset for power quality classification.

Reach out to us

For help or queries, please feel free to get in touch with us.

Yash Umale

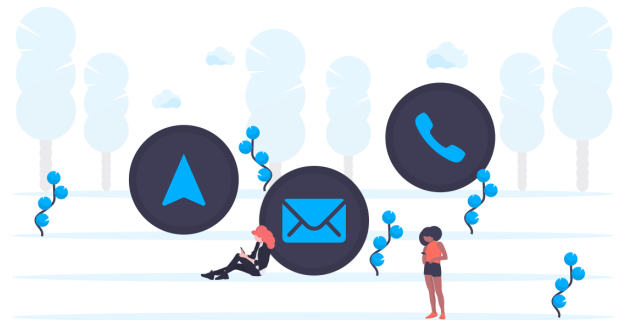
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