

IBM 24hr Hackathon (Call for Code) 2022

Yenepoya University, Mangalore

26th June 2022 – 28th June 2022

EVENT REPORT – TEAM Y.A.S.H

YASH



VISHWAKARMA
UNIVERSITY
Maximising Human Potential

YT Link : <https://youtu.be/cvG5Hl1yoTEU>

GitHub Link : <https://github.com/atharva-mg/team-yash-vu>

IBM ICE Call for Code/Hackathon Competition is to gauge the competency of the students and make them understand where they stand compared to their counterparts from other Universities. This is a good opportunity for the student to understand the areas they need to work on and hone their skills to ensure the best possible placement.

The preliminary Submission round was held on April 18, 2022 in which 43 teams participated from 6 universities. 35 teams submitted the proof of work for evaluation. The final round & evaluation was held at Yenepoya University in Mangalore for which 15 teams were shortlisted.

Key people involved in the event

- Viqaruddin Surki Head, Delivery Account Management, IBM
- Jayshree Padmanabhan Regional Account Manager, IBM
- Sangeetha Anand AVP, Trans Neuron Technologies
- Seena Raj Operations Manager, Trans Neuron Technologies

Call For Code / Hackathon Highlights

- IBM and Trans Neuron had planned a complete framework for the smooth execution of the event.
- This event was open only for the Final and 3rd-year students and all IBM ICE students. The event would be a group event and be conducted online.
- For the Preliminary round, the students would form a group with a minimum of 4 people and a maximum of 5 people. The groups would also designate one person as the Group Leader and the name of the Group.
- IBM Faculty coordinators coordinated well with their university student groups and submitted the group details and documents on 18th April 2022 for evaluation.
- After submission of the document, all the group team documents were consolidated and groups were shortlisted for the final round.
- Final Round Submission shortlisted groups were announced on 6th June 2022.
- The final round was conducted on 27th and 28th June 2022 as planned, it was a two-day event at Yenepoya University, where evaluation was done, by IBM leaders and Mentors.
- Winners were announced on 28th June 2022 and cash prizes for the respective winners were distributed by Trans Neuron Technologies.

Evaluation Parameters

1. The novelty of the idea/ product
2. Feasibility of the idea/ product
3. Possibility of scaling and reaching a wide audience
4. Scope of converting it into a saleable product

Universities Participating

- GLA University, Mathura
- Hindustan University, Chennai
- Vishwakarma University, Pune
- KARE University, Madurai
- SVKM's NMIMS, Shirpur
- Yenepoya University, Mangalore

About the team

A team of four members from T.Y. B.Tech Computer Engineering, Cybersecurity and Forensics IBM Track, at Vishwakarma University participated in the event. The team members were:

- Yash Oswal
- Atharva Gokhale
- Shivani Shete
- Hasnain Merchant

The team printed T-shirts to showcase the concept of unity within the team and stand out from the rest of the teams. They were complimented about the uniform look and their impression as a team by all the IBM personnel present at the venue in Mangalore.

Opening Ceremony

The event started with a welcome speech by the Principal of YIASCM, Prof. Arun A Bhagwath and vice-principal Dr. Shareena. The rules of the competition and the distribution of the problem statements started at 10:00am on 27th June 2022. The rules were explained by the IBM Executives who were present. The main event was scheduled from 11:00am 27th June 2022 to 11:00am 28th June 2022, YIASCM Balmatta, Mangalore. The computer lab was huge, it consisted of 228 machines with comfortable seating and good facilities. IBM & YIASCM also

provided excellent facilities including Wi-Fi and other necessities like water, snacks, cold and hot beverages, and adequate & clean washroom facilities.

Team YASH chose the problem statement "**Password Hacks: How easy are they?**". They were asked to write a simple password guesser and evaluate how difficult sample passwords are to guess using Python.

Problem Statement: *If you're interested in cyber security, you're probably savvy enough to know it's not wise to use the same password for all your web accounts; nor is it wise to use an easy-to-guess password. But just how easy is it to guess a password? You can conduct a cyber security project and find out. Using the computer language Python, you can write a simple password guesser and evaluate how difficult sample passwords are to guess.*

The 24 hours of the competition

The competition was very challenging, testing stamina and skill. All the teams were working hard the entire time. Everyone was either discussing with their team, coding or designing their projects. The environment was filled with energy. On 26th June 2022 as well as 27th June 2022 IBM & YIASCAM had arranged for Breakfast, Lunch & Dinner at the college's canteen.

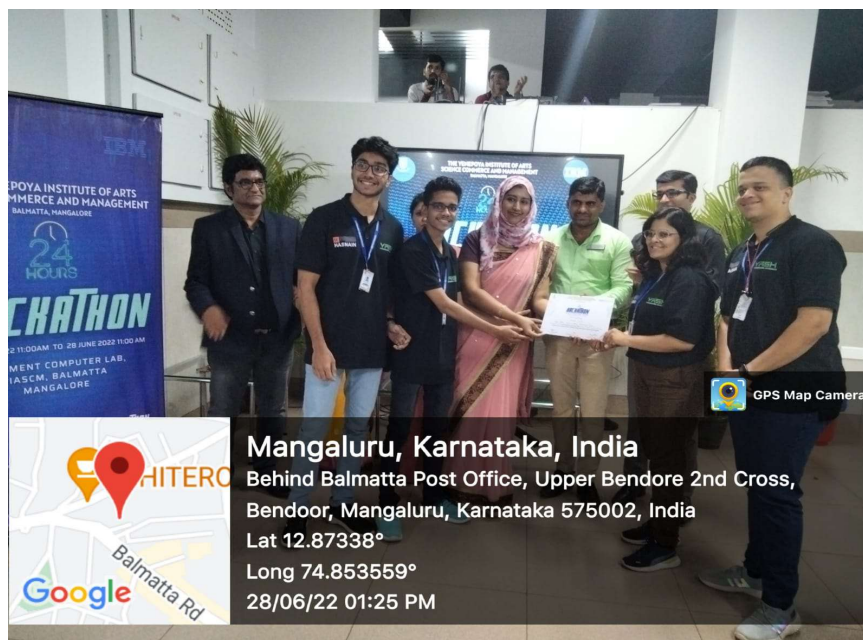
Team YASH was done with most of their work by 4 am and final touches were being given. They got a chance to interact with students from other universities and get to know them. They learnt about how different universities function, the type of projects they execute and the methodologies followed. The entire project was completed by 5.40 am with all the other requirements satisfied, such as making a demo video, preparing a short report of the project, and creating a Git Hub repository.

Prize Distribution

The winner of the Hackathon was team 'BOTNET' (Yenepoya University), which won the cash price of 25,000 followed by Team YASH which won the first runners-up prize of 15,000 and the second runners-up team 'Tech Wizards' (GLA university from UP) won a cash price of 10,000.



Team YASH posing with IBM officials after the prize distribution ceremony.



Team YASH receiving the 1st runners up prize at the hands of Vice Principal Dr. Shareena



Group photograph of all the teams after the event