



Bhoj Reddy Engineering College for Women
(Sponsored by Sangam Laxmibai Vidyapeet, approved by AICTE and affiliated to JNTUH)
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Department of Information Technology

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Report on 24 hour Hackathon on the “Data Science using Python”.

The IT department has conducted 24 hour Hackathon on “Data Science using Python” for II IT A and B students during 22 December (AN) – 23 December (AN) 2023. Total 133 students have participated in this Hackathon. The hackathon was conducted by Brainovision Solutions India, Pvt. Ltd. Brainovision Solutions India Private Limited. is an organization started in 2014 which serves web solutions, software development and tech education in the corporate field. This is the place for the brands, students and faculty to find the solution for their web service requirements, Workshops, Internships, and Faculty Development Programs and for organizations to hire perfect skilled candidates. All the sessions are hands-on sessions.

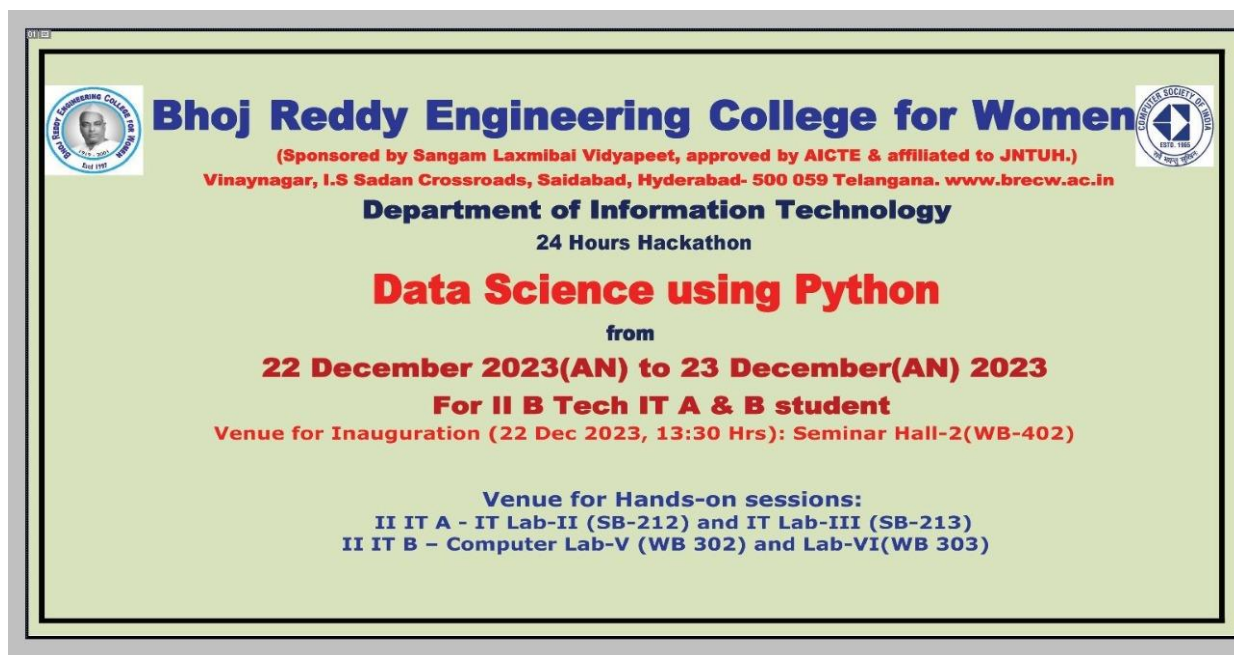


Figure 1: Hackathon Banner

The objective of the Hackathon:

The main objective of a 24-hour hackathon is to bring together individuals with diverse skills and backgrounds to collaboratively work on solving problems or creating innovative projects within a limited time frame, usually 24 hours.

Inaugural Session:

The inaugural function was started with Mr.D Vijay Kumar at 13:30 Hrs. in the Seminar Hall -2(402). The Principal, Dr J Madhavan, and Head of IT Department, Dr C Murugamani ,also delivered their respective keynotes to the students in the inaugural session.

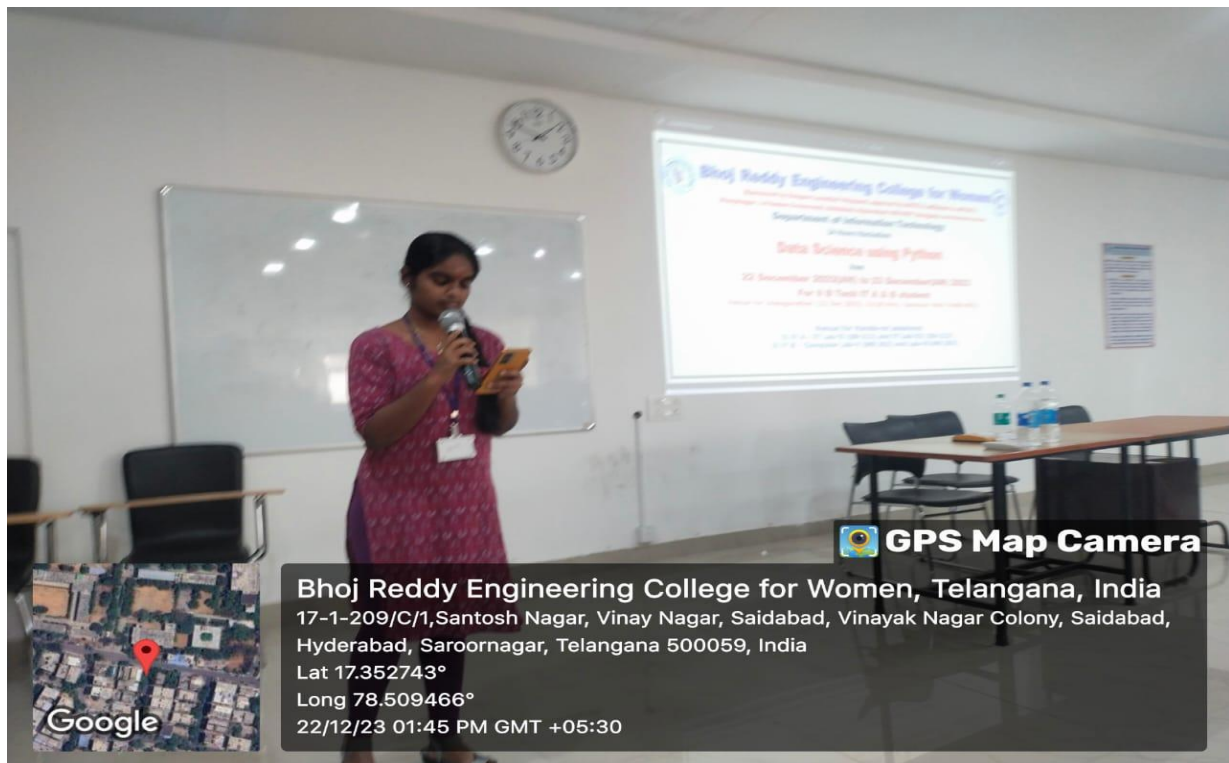


Figure 2: Ms Nidhisha Ardham giving welcome speech..



Figure 3: All students and faculty members listening to the brief explanation about the happening of the hackathon during inauguration.



Figure 4: Resource team and students gearing up for the event.



Figure 5: Dr C Murugamani addressing the gathering regarding the 24 hour hackathon.



Figure 6: Students noting down the main aspects of hackathon regarding the stages of hackathon.

Mr D Vijay Kumar, the resource person from Brainovision Solutions India, Pvt. Ltd.along with Nagoor sir , dilip sir and sukumar sir, dealt with the first-day session of the hackathon

The following topics were covered on the day-1:

Stage 1: Approving of problem statement:

Every team took a chit containing different domains on which we have to work on. Each team took a chit and started their first round of selection.Started research on different problems with cause and solution and the given condition is that it should not exist.

The Problems which we face :

Whatever the problem we are taking , the mentor is rejecting if its already existing.

Stage 2:Feature engineering:

Described how to segregate the features of many features .

Stage 3: ML Algorithms deployment:

We made attempts to know which type of project we were making(classification or regression) and deployed all the algorithms respected to it.



Figure 7: Mr D Vijay Kumar explaining about the rules and regulations of the 24 hr hackathon.



Figure 8: Faculty member of IT can be seen monitoring the session.

DAY-2 (22 December 2023)

The second day session of the hackathon was dealt by Ms Yasaswi Surabhi, the resource person from Brainovision Solutions India, Pvt. Ltd along with other mentors.

The following topics were covered on the day-2:

Stage 4: Evaluation metrics:

Students are asked to do the work of different algorithms prior and also to do the confusion matrix on the day of presentation.

Stage 5: Final stage-Presentation:

This is the final stage and 9 teams out of 23 teams got filtered. These teams are asked to prepare a report on their project and a power point presentation to present in front of the jury.



Figure 9: Students are very much tensed and working really hard in the last rounds of the hackathon.



Figure 10: Faculty and mentor helping out students to do their projects .



Figure 11: Faculty appreciating the students for their endless efforts on the hackathon.



Figure 12: Faculty member of IT department encouraging students to do projects, and behind we can see students who are trying to convince their mentors regarding the problem statement .

Glimpses of the valedictory function:



Figure 13: Dr Ramakrishna, Scientist -G,DRDO, address the students and enlightens the session by explaining the importance of research publications.



Figure 14: Wing Commander Garigipati Srinivasu (Retd.), MC Member, Computer Society of India gives the insights of conducting different types of workshops/guest lectures under CSI student chapter.



Figure 15: Winners of the hackathon receiving their prize from the judges and staff.



Figure 16: First prize Winners of the hackathon receiving their prize from the judges and staff.



Figure 17: End of the hackathon session and vote of thanks by ruthvika of II IT-B.



Figure 18: Staff members of IT, winners of II IT A and B along with resource team.

The valedictory function started with a welcome speech by Ms. Nidhisha ardham of II B Tech IT A, followed by a Keynote address by Dr. J Madhavan, Principal, Chief Guest Mr D Vijay Kumar, Dr. C Murugamani, HoD IT. During the valedictory function, students expressed their views and gave feedback about the workshop. Ms ruthvika II IT A proposed the vote of thanks.

All the participants were given participation certificates in the valedictory function. The Feedback from the students was collected. Overall it was a fruitful experience for all participants, coordinators, and volunteers.

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Dr C Murugamani
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Principal