TECHFEST 2023-24
Task Whiz

Background and Context

In today's fast-paced and dynamic world, effective task management is crucial for individuals and teams to accomplish goals efficiently. However, the sheer volume of tasks, varying priorities, and complex workflows often pose challenges to maintaining optimal productivity. To address these challenges and promote a streamlined approach to task management, the hackathon aims to develop an "**Intelligent Task Management System**"

Objective

Design and develop an intelligent task management system that leverages cutting-edge technologies to optimize task allocation, prioritize work, and enhance collaboration. Participants are encouraged to utilize AI, machine learning, data analytics, and user-friendly interfaces to create a comprehensive solution that caters to various domains, such as education, businesses, or organizations.

Description

- **Intelligent Task Allocation:** Develop an AI algorithm that analyses individual strengths, workload, deadlines or any other data points students want to consider to allocate tasks efficiently. The system should consider each of those data points to ensure fair task distribution.
- **Predictive Task Prioritisation:** Implement AI capabilities to predict task completion times based on historical data and team performance. The system should help users prioritize tasks by considering deadlines, dependencies, and resource availability, again students can use any other data points to introduce innovation
- **Performance Analytics and Insights:** Utilize AI to generate performance analytics and insights on individual and team productivity. The system should provide data-driven feedback and recommendations for improving work efficiency.
- **Sentiment Analysis**: Implement sentiment analysis to gauge the emotional well-being of team members and identify potential areas of stress or burnout.

Round 1:

Submission guidelines:

Each team has to submit their round 1 ideas in the form of a presentation deck.
The presentation needs to cover the following points:

Content	Number of Slides
Proposed Solution - Describe the proposed solution and explain how it addresses the problem statement	1 slide
High Level Design - Diagram or flowchart of the solution's architecture - Tech stack, parameters that are considered, Data set collection if any used - A brief explanation of why they were chosen	Maximum 2 slides
Limitations or challenges in proposed solution if any	1 slide
Future Scope	1 slide
Video - Attach the video in the last slide	The duration of the video should be a maximum of 3 minutes

Judging Criteria

All the teams will be evaluated based on their ideas shared in the presentation deck. While evaluating the key criteria would be - Innovation, clarity of thought, understanding of the problem statement, and proposed solution.

Round 2:

The top 10 teams will be invited for the final round where the teams will be presenting their final solution for the chosen problem statement. The judging criteria for the final round will be shared shortly after the first round is completed.

Prize:

- Cash prize worth for the winning teams - INR 1,50,000
- Certificates of Excellence.
- Atlassian goodies for the winning team and for the runners-up.
- The winning team would get a chance to interact with a leader at Atlassian

Eligibility Criteria:

Students who are currently pursuing their graduation or post-graduation are allowed to participate. Students who have completed their graduation/post-graduation are not allowed to participate in this competition.

Guidelines for forming a team:

- Students can form a maximum of 4 people team.
- Each team would be required to nominate a team leader.
- Students are allowed to form teams from different departments and years of course.
- Students are not allowed to form teams with students who have completed their college studies.
- Students are allowed to form inter-college teams

Competition Timeline:

Last Date of Registration	31 Oct 2023
Round 1 Submission Deadline	1 Nov 2023
First Round Results Announcement	17 Nov 2023
Final Round at IIT Bombay	27 Dec 2023