Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal − 574115
Hackothsava 2023 − Synopsis
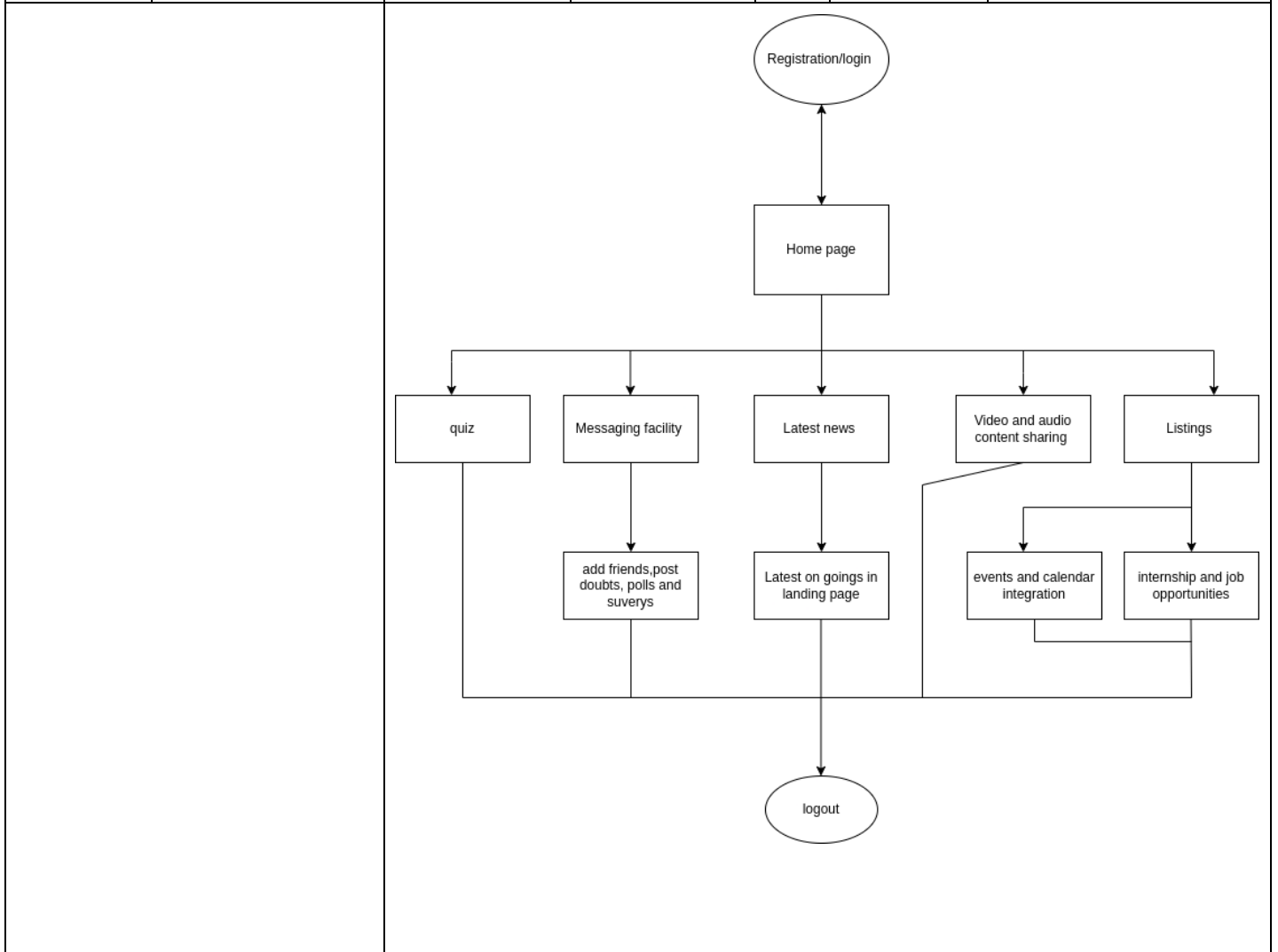
Team Name:	INFINITY				
College Name and Address:	Jyothy Institute Of Technology, Pipeline Rd, near Ravi Shankar Guruji Ashram, Tataguni, Karnataka 560082				
Theme of submission: (check mark the relevant box)	**Transformative Education** ✅		**Sustainable Industrialization**		
Team Members:	**Name**	**USN**	**Sem**	**Mobile no.**	**Email - ID**
1 Leader	Tushar Thakur	1JT19CS097	8		tusharthakur2007@gmail.com
2 Member 1	Vinay M	1JT19CS102	8		vinay.mulugund@gmail.com
3 Member 2	Anagha B	1JT20CS006	6	8197570018	anaghabharadwaj02@gmail.com
4 Member 3					
Project Title:	**BrainWave: A one stop student dashboard**				
Abstract of the proposed project: (word limit 300)	BrainWave is a centralized platform designed to provide students with a one-stop solution for all their academic needs. It has all the features and functionalities that a student would require, from accessing notes and syllabus to quick quizzes, attendance tracking, students keep up with the latest news, post educational content, and ask and solve doubts related to their student life. It offers a safe and inclusive environment where students can connect with each other, share ideas, and collaborate on academic projects. The platform is easy to use, and students can create their profiles, join groups based on their interests, and engage in discussions with other students. They can also post educational content such as articles, videos, and infographics to help their peers learn and grow. Additionally, it offers a quiz feature that allows students to test their knowledge on various subjects and receive instant feedback. Furthermore, students can ask questions related to their academic life, such as doubts about a particular subject or assignments, and receive answers from other students or academic experts. They can also share their knowledge by answering questions asked by their peers. In summary, BrainWave is a student-focused platform that aims to create a community of learners. It offers a variety of features that promote learning, collaboration, and knowledge sharing, making it an ideal platform for students to stay connected and grow academically.				

Team Name:	INFINITY				
College Name and Address:	Jyothy Institute Of Technology, Pipeline Rd, near Ravi Shankar Guruji Ashram, Tataguni, Karnataka 560082				
Theme of submission: (check mark the relevant box)	**Transformative Education** ✅		**Sustainable Industrialization**		

Team Members:		Name	USN	Sem	Mobile no.	Email - ID
1	Leader	Tushar Thakur	1JT19CS097	8		tusharthakur2007@gmail.com
2	Member 1	Vinay M	1JT19CS102	8		vinay.mulugund@gmail.com
3	Member 2	Anagha B	1JT20CS006	6	8197570018	anaghabharadwaj02@gmail.com
4	Member 3					

Detailed Methodology with proper diagrammatic representation:	Here are some of the features and enhancements of BrainWave: Personalization: Personalization is a key feature that would allow students to customize their dashboard based on their preferences. Students could choose the widgets they want to see on their dashboard and the order in which they appear. This would help them access the information they need quickly and easily. Collaboration: Collaboration is an essential aspect of learning. By incorporating a collaboration feature, students can work together and share study materials, notes, and group projects. This would help to enhance their learning experience and improve their overall performance. Performance tracking: Performance tracking is an essential feature that helps students track their academic progress. By keeping track of their grades, attendance, and other metrics, students can identify areas where they need to improve and take corrective action.. Communication: Communication is an important aspect of the learning process. By incorporating a communication feature, students can connect with their teachers or professors through chat, email, or even video conferencing. This would help to clarify doubts, seek guidance, and improve their overall understanding of the subject. Reminders: Reminders are important for students to keep track of important deadlines, such as assignment due dates, exam schedules, and fee payments. By incorporating a reminders feature, students can set reminders and receive alerts to ensure they don't miss any important deadlines. Accessibility: Accessibility is crucial to ensure that all students can use the dashboard, including those with disabilities. Features such as text-to-speech or

Team Name:	INFINITY				
College Name and Address:	Jyothy Institute Of Technology, Pipeline Rd, near Ravi Shankar Guruji Ashram, Tataguni, Karnataka 560082				
Theme of submission: (check mark the relevant box)	**Transformative Education** ✅		**Sustainable Industrialization**		
Team Members:	**Name**	**USN**	**Sem**	**Mobile no.**	**Email - ID**
1 Leader	Tushar Thakur	1JT19CS097	8		tusharthakur2007@gmail.com
2 Member 1	Vinay M	1JT19CS102	8		vinay.mulugund@gmail.com
3 Member 2	Anagha B	1JT20CS006	6	8197570018	anaghabharadwaj02@gmail.com
4 Member 3					

voice recognition can be added to make the dashboard more inclusive and accessible.
Student profiles with photos, bio, and interests.
   Groups and discussion forums for different topics or subjects.
   Newsfeed with posts and updates from students and faculty.
   Messaging and chat functionality for private communication.
   Campus event listings and calendar integration.
   Integration with academic tools like assignments and grades.
   Integration with job and internship listings.
   Polls and surveys for student feedback and engagement.
   Video and audio content sharing.
   Integration with other social media platforms for easy sharing.

Team Name:	INFINITY				
College Name and Address:	Jyothy Institute Of Technology, Pipeline Rd, near Ravi Shankar Guruji Ashram, Tataguni, Karnataka 560082				
Theme of submission: (check mark the relevant box)	**Transformative Education** ✅		**Sustainable Industrialization**		
Team Members:		Name	USN	Sem	Mobile no.	Email - ID

	Team Members:	Name	USN	Sem	Mobile no.	Email - ID
1	Leader	Tushar Thakur	1JT19CS097	8		tusharthakur2007@gmail.com
2	Member 1	Vinay M	1JT19CS102	8		vinay.mulugund@gmail.com
3	Member 2	Anagha B	1JT20CS006	6	8197570018	anaghabharadwaj02@gmail.com
4	Member 3					

Team Name:	INFINITY				
College Name and Address:	Jyothy Institute Of Technology, Pipeline Rd, near Ravi Shankar Guruji Ashram, Tataguni, Karnataka 560082				
Theme of submission: (check mark the relevant box)	**Transformative Education** ✅		**Sustainable Industrialization**		
Team Members:	Name	USN	Sem	Mobile no.	Email - ID
1 Leader	Tushar Thakur	1JT19CS097	8		tusharthakur2007@gmail.com
2 Member 1	Vinay M	1JT19CS102	8		vinay.mulugund@gmail.com
3 Member 2	Anagha B	1JT20CS006	6	8197570018	anaghabharadwaj02@gmail.com
4 Member 3					

Software/ hardware required for the implementation:	**frontend:** nextjs **Backend:** fastapi ,propelauth **Database:** mongodb **Other:** third party api services
Benefit to the society from the project	The social benefits of a "brainwave" social media platform are numerous. Firstly, it promotes a sense of community among students. By connecting with other students who share similar interests and goals, students can feel more engaged in their academic life and more supported in their educational journey. Secondly, Brainwave provides a safe and inclusive space for students to express their thoughts and ideas, share educational content, and ask for help with their academic work. This can help to reduce feelings of isolation and anxiety that some students may experience, particularly those who are studying remotely or in challenging circumstances. Thirdly, by providing access to educational resources and quizzes, Brainwave can help to promote learning and academic achievement. Students can learn from their peers, test their knowledge, and receive instant feedback, which can enhance their academic performance and overall educational experience. Overall, a student-friendly social media platform like Brainwave can have significant social benefits, including increased engagement, sense of community, academic support, and learning opportunities for students.

Vinay Mulugund

Signature of Team Leader

Signature of Head of Department