IITB EdTech Internship TRACK 2
Educational Product/Application Development (Fullstack)

Phase 1 Response Report

GROUP DETAILS

Group Name: Team 3.0						
Sr.	Students Name	Intern_ID	Juno_ID	Dept.	Class	Roll No.
1	Mrunal Arvind Bhosale	Fullstack_092	EN22175519	CSE	B.Tech	81
2	Sakshi Sagar Patil	Fullstack_091	EN22166261	CSE	B.Tech	84
3	Sejal Vinod Navale	Fullstack_093	EN22170507	CSE	B.Tech	82
4	Ayush Sunil Shirke	Fullstack_094	EN22131034	ENTC	B.Tech	60
Faculty Mentor Name: Nandini Patil						

1) A clear weekly timeline

- **Week 1:** Finalize problem, research quiz platforms, and conduct user surveys
- **Week 2:** Design wireframes and UI flow for host, player, and leaderboard
- **Week 3:** Set up backend using Spring Boot and MySQL; build core APIs
- **Week 4:** Develop frontend with React.js and Tailwind CSS
- **Week 5:** Add Firebase Authentication and host/player quiz session logic
- **Week 6:** Integrate real-time multiplayer using WebSocket; implement live leaderboard
- **Week 7:** QA testing, UI polish, bug fixing, and feature completion
- **Week 8:** Finalize documentation, prepare demo, and present working prototype

2) Milestones and expected deliverables

- **Week 1–2:** Problem finalization, user feedback collection, and UI wireframes
- **Week 3–4:** Backend (Spring Boot + MySQL), API development, and frontend UI setup
- **Week 5–6:** Core features implemented — authentication, quiz logic, multiplayer setup
- **Week 7:** Working multiplayer prototype of AptiBattle ready with leaderboard
- **Week 8:** Final report, GitHub repository, and live demo submission

3) What will be demonstrated at each phase

- **Phase 1:**

   a. Finalized problem and proposed solution (lack of engaging aptitude platforms)
   b. Conducted user research and validated the need for multiplayer quiz-based learning
   c. Designed UI wireframes and finalized the tech stack (React.js, Spring Boot, MySQL)

- **Phase 2:**

   a. Developed working prototype with host-player quiz flow, real-time gameplay, and live leaderboard
   b. Demonstrated MVP with full multiplayer quiz functionality
   c. Submitted GitHub repository with clean documentation and live demo

4) A clear breakdown of tasks and responsibilities of team members

- **Ayush:** Backend development and database design
- **Sakshi:** Frontend UI development and responsiveness
- **Sejal:** Authentication and real-time multiplayer logic
- **Mrunal:** UI/UX design, testing, and documentation