## ***Summary***

*This proposal presents a cohesive, year‑long curriculum designed to empower students with both technical expertise and personal agency by integrating three core components:*

* ***Structured Group Seminars*** *that build public speaking, peer teaching, and subject mastery.*
* ***Workplace Role Simulations*** *that develop leadership, project management, and feedback skills through rotating Job Roles.*
* ***Monthly Engagement Activities*** *that foster cross-group connections, empathy, and low‑stakes speaking practice through fun, interactive games.*

*These initiatives work together to create an inclusive, collaborative learning environment. Students will graduate not only with stronger web‑development skills but also with the confidence, teamwork experience, and resilience needed for academic and professional success.*

## **Context**

* **Class composition:** 42 students in Begumpet women’s college, divided into 8 groups of ~5 girls each.
* **Group diversity:** Each group mixes confidence levels and engagement styles (e.g., a confident student, an under confident student, an academically strong student, a student who appears uninterested, etc.).
* **Year‑long collaboration:** Groups work together on various activities throughout the academic year.
* **Rotating leadership:** Every month, a different member of the group becomes a leader.

## **Idea 1: Group Seminars for Technical Topics**

### **Structure**

* **Time allocation:** 5–10 minutes per class session dedicated to presentations.
* **Weekly schedule:** With three classes per week, three different groups present each week; the cycle continues until all groups have presented.
* **Assigned topics:** Each group researches and presents a selected web‑development topic (e.g., "What is the DOM?", "Introduction to GitHub and Version Control").

### **Objectives**

1. **Boost confidence:** Every student speaks publicly, confronting and overcoming presentation anxiety.
2. **Foster collaboration:** Group members plan, rehearse, and present together, building teamwork skills.
3. **Develop communication:** Students practice explaining technical concepts clearly to peers.
4. **Deepen subject knowledge:** Teaching reinforces understanding of web‑development fundamentals.

### **Additional Elements**

* **Presentation framework:** A simple outline—Introduction → Main Concepts → Real‑World Application → Wrap‑Up.
* **Rotating roles (optional):** Researcher, Presenter, Visual Lead, Moderator to ensure equitable contribution.
* **Visual aids:** Encourage slides, whiteboard sketches, or live demos for engagement.
* **Peer feedback(optional):** After each presentation, classmates share one takeaway and one suggestion for improvement.
* **Tracking system:** Maintain a presentation calendar or log so groups know their scheduled dates.

### **Highlights**

* Empowers underconfident students by giving them a safe, structured speaking opportunity.
* Reinforces peer‑to‑peer learning, leveraging diverse strengths within each group.
* Integrates technical skills and soft skills (communication, leadership, teamwork) seamlessly.
* Provides regular, formative feedback loops to build growth and resilience.

## ***Idea 2: Workplace Role Simulation***

### ***Structure***

* ***Role assignment:*** *All the students will be assigned their respective roles of team lead and team members.*
* ***JD sharing:*** *Share a clear Job Description for each role with the entire class to set expectations.*
* ***Role training(optional):*** *Conduct short, focused training sessions to build necessary skills for each position.*
* ***Incentive scheme:*** *Award the top-performing group every three months with:*
  + *Small incentives such as movie tickets for the entire group, accompanied by the instructor*
  + *A special experience organized by the founders (e.g., corporate campus tour, leadership lunch etc)*
* ***Evaluation criteria:*** *Groups are scored based on:*
  + ***Attendance:*** *Highest average attendance in class sessions*
  + ***Group Seminars:*** *Quality of group presentations*
  + ***Academic Performance:*** *Average scores on tests*
  + ***Mentor Interaction:*** *Frequency and quality of weekly check-ins with industry mentors*

### ***Job Descriptions of a Group Leader***

* ***Title:*** *Group Leader*
* ***Purpose:*** *Guide and support the group through effective planning, coordination, and external mentorship.*
* ***Key Responsibilities:***
  + *Maintain consistent attendance in all classes, meetings, and mentor sessions; set a punctuality example for the group.*
  + *Schedule and facilitate group meetings*
  + *Delegate tasks and monitor progress*
  + *Coordinate with industry mentors and relay feedback*
  + *Ensure timely completion of group deliverables*
  + *Resolve conflicts within the group diplomatically*

### ***Job Descriptions of a Team Member***

* ***Title:*** *Team Member*
* ***Purpose:*** *Support the group’s success through active participation, task ownership, collaborative teamwork, and professional communication.*
* ***Key Responsibilities:***
  + *Maintain consistent attendance in all classes, meetings, and mentor sessions; be dependable for your team.*
  + *Attend all group meetings and participate actively in discussions and planning.*
  + *Take ownership of assigned tasks and complete them thoroughly and on time.*
  + *Communicate progress and challenges to the Group Leader and team proactively.*
  + *Offer constructive feedback and suggestions during group discussions.*
  + *Support fellow group members when needed, maintaining a positive team spirit.*

### ***Highlights***

* *Simulates real-world workplace structures and responsibilities.*
* *Develops leadership, project management, and feedback skills.*
* *Ensures all students cycle through different roles, gaining holistic experience*

## ***Idea 3: Monthly Engagement Activities***

### ***Structure***

* ***Frequency:*** *Once a month during a regular class session or more, at the discretion of the facilitator.*
* ***Activity examples:*** *Engagement activities are split into two parts: Periodic Activities and One-Time Activities.*

### ***Periodic Activities (Skill + Fun Oriented)***

***These activities happen regularly and reinforce both technical skills and peer interaction:***

* ***Code Debug Races:***
  + *Students are given simple buggy code snippets.*
  + *Task: Race against other teams to find and fix all bugs first.*
  + *Goal: Reinforce debugging skills quickly under time pressure.*
* ***Tech Trivia Relays:***
  + *Teams race to answer tech-related trivia questions.*
  + *Task: Relay race format. Students sprint to pick a trivia card, answer, and tag the next teammate.*
  + *Goal: Fast recall of technical concepts in a fun, energetic setup.*

### ***One-Time Activities (Purely for Fun and Comfort Building)***

*These activities will be conducted once to encourage camaraderie and break comfort zones:*

| ***Activity*** | ***Description*** |
| --- | --- |
| ***Speed Networking*** | *2‑minute paired introductions where students share a personal or technical interest. Each student at the end of the activity should be able to say what is the new thing they have learnt about someone they have interacted with that day.* |
| ***Two truths and a lie*** | *Each student shares two truths and 1 lie about themselves. Classmates guess the lie.* |
| ***Human knot challenge*** | *Students hold hands with two different people and form circles. Then their arms are crossed over. Students must work together to go back to the original positions without disengaging each*  *other’s hands.* |
| ***Scavenger hunt*** | *Teams solve clues together to find items hidden on the campus* |
| ***Pictionary*** | *Students draw on the board and their classmates have to guess the word.* |
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### ***Objectives***

1. ***Break down social barriers:*** *Encourage conversations across the entire class.*
2. ***Build comfort:*** *Provide a low‑stakes environment for quieter students to find their voice.*
3. ***Foster empathy:*** *Practice listening and responding to diverse perspectives.*
4. ***Strengthen community:*** *Cultivate a supportive, inclusive classroom culture.*

### ***Highlights***

* *Promotes inclusion by connecting students beyond their usual groups.*
* *Offers a fun, low-pressure way to practice speaking and active listening.*
* *Builds stronger peer networks, boosting collaboration in subsequent group tasks.*