

Leader Role and Responsibilities in Blockchain-Based Energy Trading Project

1. Project Planning & Vision Setting

- Define the project's vision and expected outcomes.
- Break the project into phases: research, design, implementation, testing, deployment.
- Set a timeline and milestones.

2. Team Coordination & Task Distribution

- Assign roles based on team members' strengths.
- Organize regular team meetings.
- Monitor performance and work quality.

3. Technical Oversight

- Design the high-level architecture for AI and blockchain integration.
- Ensure smooth interaction between smart appliance control and energy trading modules.
- Decide on blockchain platform and smart contract design.

4. Problem Solving & Decision Making

- Address technical issues and help the team overcome obstacles.
- Handle risks related to technology or project timeline.

5. Documentation & Communication

- Ensure comprehensive documentation of architecture, contracts, logic, and testing.
- Communicate effectively with stakeholders.
- Prepare the team for final presentation and demo.

6. Quality Assurance

- Ensure the project is functional and technically sound.
- Finalize testing strategies: contract audit, AI accuracy, system performance.