

Client The client for this initiative is the University of Technology and Applied Sciences (UTAS) Muscat. By working in unison, they facilitate effective integration of IoT and AI technologies to foster a contemporary, efficient, and sustainable educational space.

Integration of Technologies: They collaborate closely with sub-contractors to guarantee that IoT devices, AI solutions, and sustainable components like solar panels and green roofs are implemented according to the project design.

Review Process and Approval: The client consistently offers feedback on designs and construction phases while providing approvals to ensure that the final outcome meets their standards regarding functionality alongside integrated technology solutions.

Sub-Contractor Sub-contractors are engaged to manage specialized functions, especially concerning the installation and configuration of IoT devices, AI technologies, and eco-friendly infrastructure.

Specialized Installations: Sub-contractors concentrate on setting up particular systems such as smart HVAC units, solar power installations, AI-powered solutions, and IoT equipment in educational settings like classrooms and labs.

Regulatory Compliance: Additionally, they verify that the building complies with local construction standards, safety regulations, and environmental guidelines while integrating IoT and AI technologies.

Consultant The consultant is tasked with creating the architecture and supervising the incorporation of IoT, AI, and eco-friendly elements to fulfill the client's vision. They ensure that appropriate IoT devices, AI-enhanced educational tools, and other technical components are embedded in the design to align with educational aims.

Coordination with Stakeholders: Acting as a communication link among clients, contractors, and sub-contractors, the consultant ensures all parties are synchronized regarding the project's technological advancements and sustainability objectives.

Project Execution: The contractor supervises daily activities at the construction site, ensuring adherence to the consultant's blueprints and specifications, which include smart and eco-friendly features.

Time and Cost Management: Contractors also oversee managing timelines and budgets for projects, making certain that technological integrations occur without delays or excessive costs. The client's involvement is crucial in merging IoT and AI by detailing the necessary technological framework alongside stakeholders.

Establish Requirements: The client needs to accurately outline the extent of IoT and AI adoption within smart classrooms, lecture halls, and laboratories.

Technical Support: These professionals frequently offer technical knowledge in niche areas including IoT networks or integrating AI software.

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