Project Design Phase-I
Solution Architecture

Date	23 October 2022
Project Name	Hazardous area monitoring for industrial power plants powered by IOT
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process with many sub-processes that bridges the gap between business problems and technology solutions.

- With the help of this solution we can monitor the temperature parameters of hazardous area in industrial power plants.
- These areas are integrated with small watch towers which will help in broadcasting the temperature of that particular area.
- All the workers working in that area will be given smart wearable devices which will be acting as watch tower scanners.
- When a person goes near these scanners he can view the temperature on his wearable devices and if the temperature is high, he will receive alerts to the mobile through SMS using API.
- The data is sent to cloud through this wearable device and through the dashboard, the admins of that particular plant can view the data and take necessary precaution if necessary

Solution Architecture Diagram: