

# PROJECT DESIGN PHASE-1

## PROPOSED SOLUTION

S.No	Parameter	Description
1	Problem statement	Problems in continuous monitoring of temperature and communication in industrial power plant
2	Idea	The industrial power plants are integrated with smart temperature watch towers which will be sensing and broadcasting the temperature of that particular area. Every person working in those areas will be given smart wearable devices which will be acting as watch tower scanners. Whenever the person goes near it, he can view the temperature on his wearable device and if the temperature is high, he will receive the alerts to the mobile through SMS using API. Through this wearable device, the data is sent to the cloud database and through which the dashboard, the admins of that particular plant can view the data and take necessary actions if required.
3	Novelty	Every persons are given smart wearable devices and we use watch towers for advanced monitoring.
4	Social impact	Connectivity for workers are provided so that they can work safely.

		Equipment's are constantly monitored, so that negative impact on the environment are avoided.
5	Business Model	Can be implemented in different hazardous areas. Can make the wearables more advanced and customizable to ones need.
6	Scalability of the solution	By increasing the number of devices, this can be implemented in a commercial level. In future, other elements like radiation and gases can also be monitored.