PROJECT DESIGN PHASE-I

PROBLEM – SOLUTION FIT

Date	16 October 2022
Team ID	PNT2022TMID14349
Project Name	Industry-specific intelligent fire management system
Maximum Marks	2 Marks

CUSTOMER SEGMENT:
Peoples who owes,
- Industries
- Houses
- Hospitals
- Factories
- Hotels

AVAILABLE SOLUTIONS
- Fire detection system
- Alarming system
- Water sprinkler to cut off fire immediately

CHANNELS OF BEHAVIOUR:
ONLINE:
- Notify the customer with a message about the cause

OFFLINE:
- Turning the water sprinkler ON automatically in the accidental area

JOBS TO BE DONE:
- To reduce fire accidents
- Alert the peoples that there is a chance of fire accident
- Turn ON the water sprinkler so that the fire will be shut down immediately

CUSTOMER CONSTRAINTS
- High efficiency
- Low cost
- Detection with high level accuracy

PROBLEM ROOT CAUSE:
- Machinery and equipment errors
- Electrical hazards
- Human errors
- Flammable liquids and gasses

TRIGGERS
- Warning/alerting people
- Educating the need and use of the system

EMOTIONS:
BEFORE:
- Loss of lives and properties due to fire hazards
- Prevention of fire accidents in advance is not possible most of the time

AFTER:

BEHAVIOUR
- Records of the system should be kept in a perfect way
- If any error/fault in the system, we need to check it immediately
- Regular maintenance
- The system should be installed properly

SOLUTION:
- To improve the safety of the industries by using fire management and alarming system to reduce the loss of lives and properties

- Loss of lives and properties are reduced.
- Major fire accidents are prevented in advance