Project Title: Early Detection of forest fire using deep learningProject Design Phase-I Solution Fit TemplateTeam ID: PNT2022TMID42034

**1.CUSTOMER SERVICE**



1.Notification is sent via messages. 2.Fire alarm is activated to nearby stations.

**Define CS, fit into CC**

**EXplore AS, differentiate**

1. Tribal people and forest department officers living in forest.
2. Animals , birds and other living things in the forest.
3. Solar power cameras can be used as a power source
4. Waterproof cameras. 3.Seamless connection.

J&P



1. Climate change should be monitored.
2. Hot areas should be monitored clearly.

**Focus on J&P,into BE, understand RC**

**Focus on J&P, tap into BE, understand RC**

1. Detecting small fire sparks in forest becomes difficult.
2. Camera should always be in motion
3. Special analysis system can be used.
4. Wireless mobile network via SIM can be used transfer alert message

throughout areas.

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| --- | --- | --- | --- | --- | --- | --- |
|  | 1. **TRIGGERS**    1. Correct detection.    2. Alarm alert 3.Follow correct algorithm | **TR** | **10. YOUR SOLUTION** | **SL** | **8.CHANNELS of BEHAVIOUR CH**  **ONLINE**  Connected direc1tly to the user via Internet.  **OFFLINE**  Alerts can be sent via Offline messages and an alarm system is activated. |  |
| 1.Mobile application can be developed for specific areas. 2.Forest can be monitored by several cameras.  3.This can be used in wild life sanctuaries. |  |
| **4. EMOTIONS: BEFORE / AFTER EM BEFORE AFTER**   1. Unable to detect small 1.Able to detect small sparks. sparks. 2. camera should always be 2. 360 view of camera is in motion. used. | |