The following key points were discussed as per their requirement:

1. Luminous has their Inverter manufacturing plant in Solan, Himachal Pradesh.
2. Mr. Rajendra (POC) explained the need for Artificial intelligence in their plant premises.
3. The plant has more than 70 cameras, and they want to detect suspicious activities, fire, sparks, smoke, gathering, etc. (as shared by them above).
4. The agenda is to Detect and Notify the users about such activities as "Fire". For example, When there is a fire on camera 56 then on the big screen which shows the grid of all footage the screen of 56th Camera should be popped and highlighted on the screen. And simultaneously alerts and notifications should be sent to concerned users by text, WhatsApp, and email for immediate resolution.
5. In cases of such incidences that particular instance should be clipped and saved for further checking and shared with concerned users with timestamps of occurence.
6. We need to evaluate first if this can be achieved on the existing infrastructure or if new implementations of the camera are required.
7. The camera they are using now is of Dahua and CP+, have asked them to share the specifications of the camera as well.
8. They also look forward to predicting such occurrences, since once there is a Fire there is nothing more that can be done rather than extinguishing it. So if the system can predict in advance on such occurrences it shall be great.

Above was the discussion, and we have told the client that we will be back with the scope.

Below was shared by the client.

Sr. No.	Instances	Alerts	Time	No. Of Cameras available	Megapixel
1	Fire	Small, Medium & Higher level Fire	Anytime	Total 81 Cameras are installed in Plant (71 Cameras with 2MP & 10 Cameras with 4 MP)	2MP (71 Cameras - Many Locations)) & 4MP (10 Cameras - 4 in Warehouse. 2 in Boundary Wall, 1 in Outside
2	Spark	Spark from Electric equipment's	Anytime		
3	Smoke	Black & White Smoke	Anytime		
4	Gathering	More than 4 Manpower	All Shift		

					nearby Auto varnish plant, 1 in Scrap yard, 2 in Loading & Unloading points))
5	Vehicle Location (Parked)	If Vehicle park in unmarked area or parked since more than 1 hrs.	Anytime		
6	Vehicle Location (Unnecessary Movement)	Unnecessary vehicle movement	Anytime		
7	Human running activity	Running fast in rush	All Shift		
8	Abnormal pedestrian activity	Abnormal pedestrian activity	Anytime		
9	Alarm	If any alarm raise (Detection of alarm colour)	Anytime		
10	Vibration	Any kind of vibration (Higher level)	Anytime		
11	Animal	Any animal movement inside the working area	Anytime		
12	Flooded	Water accumulated	Anytime		
13	Light & Dark Area	Suddenly lighter area to darker and vies versa	Anytime		