

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belgaum-590014, Karnataka



PROJECT REPORT

ON

“ANDROID BASED VIDEO MONITORING IN FIRE ACCIDENTS IN POWER STATIONS”

(SPONSORED BY KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY)



KSCST

Submitted in partial fulfillment of

Bachelor of Engineering

IN

Electrical & Electronics Engineering

Submitted By:

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An ISO 9001:2008 certified institution)

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Android based video monitoring in fire accidents in power stations

Synopsis:

The main aim of the project is to design and develop safety system such that in case of any fire accidents the live video is captured and sent as an attachment to the concerned person's email account as well as an SMS is sent to the concerned person requesting him to check his mail. Hence they can get to know the cause of the fire and other details.

In this project we are using the fire sensor which is connected to the ARM board as shown in the block diagram above. When ever there is a fire, the sensor picks up the data and the same is then sent to the ARM processor , which will then immediately will send the SMS to the fire depart and the owner of the shop and at the same and will also activate the water pumps and also send an SMS to the cell phone kept on the place of the sensor.

As soon as the cell phone gets the SMS message , it will then automatically start capturing the video compose a mail, attach the video and dispatch to concerned person's email account automatically such that they will also get to know the cause of the fire and other relevant details.

This is very effective and will help a lot in the fire investigating and insurance claim proofs of the fire.

Android is the programming language used at the mobile phone's end.