

**INFRA RED SENSOR AND FINGER PRINT SENSOR
FOR SECURITY BASED ELECTRONIC VOTING
MACHINE USING RASPBERRY PI**

A PROJECT REPORT

SUBMITTED BY

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In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

In

ELECTRONICS AND COMMUNICATION ENGINEERING



T.J.S ENGINEERING COLLEGE, PERUVOYAL, CHENNAI



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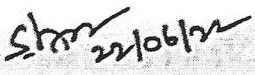
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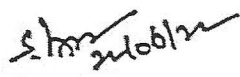
BONAFIDE CERTIFICATE

Certified that the project report "INFRA RED SENSOR AND FINGER PRINT SENSOR FOR SECURITY BASED ELECTRONIC VOTING MACHINE USING RASPBERRY PI " is the bonafide work of the following students.

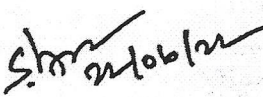
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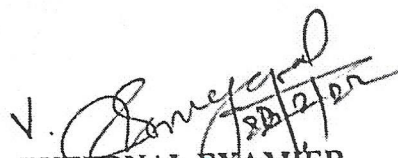
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INTERNAL EXAMIER


EXTERNAL EXAMIER



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ABSTRACT

The main idea behind the work is to reduce the defrauding of manual voting system which includes many steps for verification to ensure the reliability of the device. In recent times the vote casting process became held with the manually running machines or even through message where as digital balloting device is a individual and unique concept which saves a time and avoids the fake balloting through a false person on the machines the voter need to apply his finger pattern to ballot to attest vote. "Vote from Anywhere" this scheme of advanced technologies enables everyone to take their right to vote. Details with respect to the number of citizens presented in the balloting set are saved in a list. The idea behind this scheme has an identical privilege of voter rejection. The EVM is based on the fingerprint and facial recognition has been researched the longest period and shows the most promising future in real world application. Because of their uniqueness and consistency over time, fingerprint and facial recognition have been used for identification over time by using this feature voting system can be made more secured. EVM is faster, efficient, reliable and error free, also easy to operate which reduces the chances of errors.



A handwritten signature in blue ink, appearing to read "J. K. Srinivasan".

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