

**RASPBERRY- PI BASED FLOOD DETECTION AND  
INFORMATION SYSTEM**

*A Project report submitted in partial fulfillment of the requirements for the award of  
degree of*

**BACHELOR OF TECHNOLOGY  
IN  
ELECTRONICS AND COMMUNICATION ENGINEERING**

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**CERTIFICATE**

This is to certify that project work is entitled “ **RASPBERRY PI BASED FLOOD DETECTION & INFORMATION SYSTEM**” in partial fulfillment for the degree of bachelor of technology in ELECTRONICS AND COMMUNICATION ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an benefited work carried out by K. SWAMY, R.PAVAN KUMAR, SHEIK WASIM, G.GIRI GANESH under the guidance and supervision during 2015-2019.

**PROJECT GUIDE**

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## ABSTRACT

Weather condition plays an important role in our daily life. Collecting a data about different parameters of weather is necessary for planning in home and environments. Recent development in IoT made possible to connect the data. In the system some digital as well as analog sensors like DHT11, water level sensor and marked scale with ULM2803 are used for environmental parameter measuring. This data from input sensors is then read by servers i.e., raspberry pi itself and stored in CSV as well as text files. The sensor gathers the data of various environmental parameters and provide it to raspberry pi which acts as a base station. The raspberry pi transmits the data using WIFI, GSM module and processed data will be displayed on laptop and display accessing the server that is on the receiver side.