



## G. Narayanamma Institute of Technology & Science (For Women)

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad  
Accredited by NBA & NAAC, an ISO 9001:2015 Certified Institution  
Shaikpet, Hyderabad - 500104

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<GN-R-18> (2022-2023) II B.Tech II Sem Hobby Project

on "SMART IRRIGATION PLANT"

#### Abstract

India is a country where many of the people rely on agriculture. Irrigation is the most important part in the process of cultivation. So, to make the process of irrigation smoother and faster we have come up with a Smart Irrigation Plant. In this project the water will be supplied to the plants as soon as the moisture content in the soil decreases. Some sensors are used to take the input of the moisture percentage in the soil and that input is sent to a processor and the output can be seen through the activation of pump. To make things even easier all this working can be monitored on the mobile phone using an app.

#### H/W & S/W Requirements

- Relay Module(2-channel), Soil Moisture Sensor, 9V DC Water Pump, Jumper Wires, Breadboard
- Blynk 2.0 App or Blynk Web Dashboard.

\*Dept R&D: No

\*If No : GNITS



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