

**G. Pullaiah College of Engineering and Technology::Kurnool  
(Autonomous)**

**INTERNET OF THINGS**

**III B.Tech I Semester (R20)**

**IOT SYSTEM DEVELOPMENT (A33509)**

**Last Date for Submission: 10-08-2023 **ASSIGNMENT-I** MAX MARKS: 10**

**Answer all the Questions**

- 1) A) Explain about Design Methodology.  
B) Explain the Challenges in IoT Design.
- 2) A) Discuss about IoT System Management.  
B) Explain briefly of IoT Servers.
- 3) Write the features of ESP32 and explain all pin categories.
- 4) Explain about GPIO Pin, PWM and ADC commands in detail.
- 5) Write a Program of Switch interface for Pull-Up and Pull-Down configuration with neat circuit diagrams.