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## THESIS

To obtain engineering degree in computer science  
option: **Computer Systems Engineering (ISI)**

### Theme

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**Autonomous IoT weather station with low power  
consumption based on LoRaWAN technology**

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# Abstract

The integration of weather stations into the Internet of Things (IoT) paradigm has transformed the way meteorological data is collected, processed, and disseminated. IoT weather stations are interconnected systems that leverage wireless sensor networks, low-power computing, and cloud technologies to provide real-time environmental monitoring.

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**Keywords**— Weather stations, Meteorological data, LoRaWAN , IoT , Sensors