## MINI PROJECT REPORT

**ON**

**RPID**

**Submitted in partial fulfilment for the completion of**

**BE-VI Semester**

**IN**

**INFORMATION TECHNOLOGY**

**BY**

**S. Yadavendra.Reddy (160116737120)**

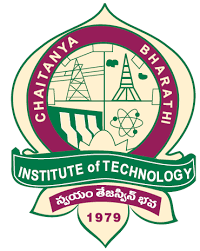
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**Under the guidance of**

**Ms. M. Trupthi**

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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)**

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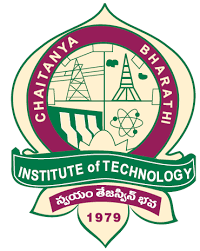
**2018-2019**

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**CERTIFICATE**

This isto certify that the project work entitled “**RPID**” submitted to **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,** in partial fulfilment of the requirements for the award of the completion of 6th semester of B.E. in Information Technology, during the academic year 2018-2019, is a record of original work done by **S.Yadavendra Reddy (160116737120) and B.Sanjay(160116737321)** during the period of study in Department of IT, CBIT, HYDERABAD, under our supervision and guidance.

**Project Guide**  **Head of the Department**

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**ACKNOWLEDGEMENT**

We take this opportunity to remember and acknowledge the cooperation, good will and support both moral and technical extended by several individuals out of which this project evolved. We shall always cherish my associate on with them.

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**MINI PROJECT TOPIC**

**Rainfall predicting using iot and deep learning (RPID)**

**Abstract:**

India constitutes 17% of world population and due to such high population there is a possibility of scarcity of water so in order to improve water preservation this mini project consists of an iot device which is connected to a sensor which takes atmospheric pressure,temperature,humidity and send the data to the cloud platform where a deep learning is applied in order to predict the occurrence of rainfall that particular day this allows us to measure the amount of rainfall and we can take necessary tips to preserve rainwater for future generations. If possible, we would like to add motion to device so it can collect data more accurately.

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