<Project Title>

A MICRO - PROJECT REPORT

Submitted by

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As a part of curriculum work of <u>Fundamentals of IoT (4360703)</u>

R. C. Technical Institute, Ahmedabad

Gujarat Technological University

April, 2025

R.C. TECHNICAL INSTITUTE, AHMEDABAD
COMPUTER ENGINEERING DEPARTMENT

Rubrics for Micro Project

Term No.: 242

Term Start Date: 01/01/2025   Term End Date: 28/04/2025

Course Name & Course Code: Fundamentals of IoT (4360703)

Semester: 6   Division: _____

Rubrics ID	Parameters	Strong	Average	Poor
RB1	Understanding of Problem (2 Marks)	Excellent understanding of problem and relevance with the theory clearly understood.(2 Marks)	Moderate level understanding of problem and relevance with the theory clearly understood. (1 Mark)	Problem not understood and can't establish the relation with the theory.(0 Mark)
RB2	Analysis of the Problem (2 Marks)	Good ability to identify strategies for solving problems (brainstorming, exploration of various solutions, trial and error).(2 Marks)	Moderate ability to identify strategies for solving problems (by guidance of faculty, exploration of limited solutions, trial and error). (1 Mark)	Poor ability to identify strategies for solving problems (require special attention from faculty, trial and error) (0 Mark)
RB3	Capability of writing program (2 Marks)	Efficient implementation with proper naming convention and understanding. (2 Marks)	Moderate level of implementation. Poor naming convention. (1 Mark)	Partial implementation with poor understanding. (0 Mark)
RB4	Documentation (2 Marks)	Unique documentation (not copied from other sources) of given problem with proper formatting and language. (2 Mark)	Ordinary documentation of given problem with proper formatting and language (1 Mark)	Weak documentation of given problem without proper formatting and language (0 Mark)
RB5	Presentation (2 Marks)	Contents of presentation are appropriate and well delivered. Proper eye contact with audience and clear voice with good language.(2 Marks)	Contents of presentation are appropriate but not well delivered. Eye contact with few people and unclear voice.(1 Mark)	Contents of presentation are not appropriate and not well delivered. Poor delivery of presentation (0 Mark)

Course Outcomes

CO NO.	Course Outcomes
CO1	Explain the basic concept of IoT.
CO2	Apply different Sensors and Actuators in IoT Application as required.
CO3	Develop sketch for the IoT application using the Arduino Uno board.
CO4	Explain Messaging and Transport protocols for IoT communication used in the IoT Applications.
CO5	Illustrate the working of real world IoT applications.

Micro-Project Assessment

CO Covered	Enrolment No	RB1	RB2	RB3	RB4	RB5	TOTAL

DATE: _____   NAME & SIGN OF FACULTY: _____