<Project Title>

A MICRO - PROJECT REPORT

Submitted by

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As a part of curriculum work of Introduction to NO SQL(4360704)

R. C. Technical Institute,Ahmedabad

Gujarat Technological University

May,2024

VISION: *To mould young and fresh minds into challenging computer professionals with ethical values and shaping them with upcoming technologies and develop the ability to deal with real world situations with skills and innovative ideas.*

R.C. TECHNICAL INSTITUTE, AHMEDABAD
COMPUTER ENGINEERING DEPARTMENT

Rubrics for Micro Project

Term No.: 232

Term Start Date: 05/01/2024 Term End Date: 30/04/2024

Course Name & Course Code: Introduction to NO SQL (4360704)

Semester: 6 Division: _____ Batch: _____

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 Outcome

CO NO.	Course Outcome
CO1	Analyze the impact of the CAP theorem on various NoSQL databases, highlighting the trade-offs between consistency, availability, and partition tolerance in database systems.
CO2	Apply MongoDB's features and basic CRUD operations to design and manipulate data structures effectively, demonstrating proficiency in utilizing a document-oriented database.
CO3	Demonstrate Cassandra's data model and query language (CQL), showcasing the ability to create and manage distributed data tables efficiently.
CO4	Identify the significance of graph databases, illustrating their practical applications in solving complex relationship-oriented problems.
CO5	Utilize Redis data structures and functionalities to implement efficient caching strategies,showcasing the role of Redis in enhancing data retrieval performance.

Micro-Project Assessment

CO Covered	Enrollment No	RB1	RB2	RB3	RB4	RB5	TOTAL

DATE: _____ NAME & SIGN OF FACULTY: _____