**TITLE OF THE PROJECT**

**MINOR PROJECT REPORT**

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF TECHNOLOGY**

**(Department of Computer Science and Engineering/……../……………)**

Submitted to

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY**

**BHOPAL (M.P.)**



**Submitted by**

Name of the student1 (Scholar number)

Name of the student2 (Scholar number)

**Under the supervision of**

Name of the supervisor

Designation of the supervisor

(Name of Department)

**Month & Year**

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY**

**BHOPAL (M.P.)**

|  |
| --- |
|  |

**CERTIFICATE**

This is to certify that the work embodied in this report entitled **“PROJECT TITLE”** has been satisfactorily completed by **STUDENT NAME (SCHOLAR NO.)** It is a bonafide piece of work, carried out under our guidance in the **Department of Computer Science and Engineering**, **Indian Institute of Information Technology, Bhopal** for the partial fulfillment of the Bachelor of Engineering during the academic year 2023-24.

Date:

**Name of** Coordinator,

Minor Project Coordinator,

Department,

IIIT Bhopal (M.P.)

**Name of Supervisor,**

Designation,

Department,

IIIT Bhopal (M.P.)

|  |  |
| --- | --- |
|  | **INDIAN INSTITUTE OF**  **INFORMATION TECHNOLOGY**  **BHOPAL (M.P.)** |

**DECLARATION**

We hereby declare that the following major project synopsis entitled “PROJECT TITLE” presented in the is the partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in** Computer Science and Engineering. It is an authentic documentation of our original work carried out under the able guidance of **Name of Supervisors**. The work has been carried out entirely at the Indian Institute of Information Technology, Bhopal. The project work presented has not been submitted in part or whole to award of any degree or professional diploma in any other institute or organization.

We, with this, declare that the facts mentioned above are true to the best of our knowledge. In case of any unlikely discrepancy that may occur, we will be the ones to take responsibility.

Name of the student1 (Scholar number) Sign of student1

Name of the student2 (Scholar number) Sign of student2

**ACKNOWLEDGEMENT (Sample)**

We, [Student 1 Name] and [Student 2 Name], would like to express our sincere gratitude to everyone who supported and guided us throughout the successful completion of our minor project titled "[Project Title]".

First and foremost, we would like to extend our heartfelt thanks to our esteemed **Director**, [Director's Name], for providing us with the necessary resources and facilities for conducting our project. His/her encouragement and vision played a key role in helping us accomplish our goals.

We are deeply grateful to our **Project Guide**, [Guide's Name], for his/her constant guidance, invaluable suggestions, and expert advice throughout the project. His/her knowledge and insights helped us enhance the quality of our work, and his/her support kept us motivated during difficult times.

Our sincere thanks to the **Project Coordinator**, [Coordinator's Name], for organizing and overseeing the entire project process. His/her assistance in clarifying doubts and providing us with the right direction was instrumental in the smooth execution of our project.

We would also like to express our gratitude to all the **faculties** of the [Department Name] for their continuous support and encouragement. Their teaching and knowledge were invaluable in enhancing our technical skills and understanding, which helped us in the successful completion of the project.

A special thanks to our **friends** for their continuous support, valuable suggestions, and helping us during various stages of the project. Their insights and encouragement motivated us to keep working on the project with enthusiasm.

Last but certainly not the least, we would like to express our deepest gratitude to our **parents** and family members for their love, patience, and continuous moral support throughout the course of this project. Their understanding and encouragement were the driving force behind our efforts.

We are truly thankful to everyone who directly or indirectly contributed to the success of this project. Without their assistance and support, this project would not have been possible.

[Student 1 Name]

[Student 2 Name]

[Roll Numbers]

**AREA OF WORK (Sample)**

Our project will mainly focus on BIG DATA and MACHINE LEARNING using a set of tools and technologies that are required for development of large-scale architectures.

While one may argue that the same thing could have been done using big data, but that’s where the real catch is. As it is already mentioned that the tools and architecture we’ll be using mainly focus on large scale deployments.

It’s been a fairly long period since humans started computing and then extracting useful insights from the data, but in past decade the immense growth in data has posed a serious challenge for computing that’s where big data came and with time we also acquired the capacity to process real time massive data sets and ever since it’s just keeps growing bigger and bigger.

In our project we’ll be looking at architecture of real time data pipeline and We’ll also look at analysis of big data using spark mlib.

**TABLE OF CONTENT**

|  |  |  |
| --- | --- | --- |
| **S.no** | **Title** | **Page No.** |
|  | Certificate |  |
|  | Declaration |  |
|  | Abstract |  |
| 1 | Introduction | 1 |
| 2 | Literature review or Survey | 2 |
| 3 | Methodology & Work Description | 3 |
| 4 | Proposed algorithm | 4 |
| 5 | Proposed flowchart/ DFD/ Block Diagram | 5 |
| 6 | Tools & Technology Used | 6 |
| 7 | Implementation & Coding | 7 |
| 8 | Result Analysis | 8 |
| 9 | Conclusion & Future Scope | 9 |
| 10 | References | 10 |

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| Fig | Description | Page no. |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |

**LIST OF TABLES**

|  |  |  |
| --- | --- | --- |
| Table No | Description | Page no. |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
|  |  |  |

**ABSTRACT**

Main heading font : 16

Sub heading: 14

Text : 12

Figure / table caption : 11

Font type : times new roman

Reference: 10

Line height: 1.15

Project file must be have following sections:

* 1. Abstract [ 1 pages ]
  2. Introduction [ 2-3 pages ]
  3. Literature review [ 5-8 pages ]
  4. Problem definition and objectives [ 1-2 pages ]
  5. Proposed methodology and work [ 5-10 pages ]
  6. Algorithm [ 1-2 pages ]
  7. Proposed flowchart / block diagram / dfd [ 2-5 pages ]
  8. Tools / technology used and implementation details [ 5-10 pages ]
  9. Result and comparative analysis [ 5-10 pages ]
  10. Conclusion and future scope [ 2-4 pages ]
  11. References. (in IEEE Format) [ 2-5 pages]
  12. List of publication (published / accepted / submitted ) (if any)
  13. Plagiarism report

Note: - content plagiarism must be less than 12%. All tables, figures and diagrams must be self-designed.

**INTRODUCTION**

**LITERATURE REVIEW**

**PROBLEM DEFINITION AND OBJECTIVES**

**PROPOSED METHODOLOGY AND WORK**

**DESCRIPTION**

**Proposed Algorithms/**

**Proposed Flowchart / Block Diagram / DFD**

**IMPLEMENTATION (TOOLS AND TECHNOLOGY USED)**

**RESULT DISCUSSION AND ANALYSIS**

**CONCLUSION AND FUTURE SCOPE**

**REFERENCES**

**LIST OF PUBLICATION (If Any)**