SILIGURI INSTITUTE OF TECHNOLOGY

##### **PROJ- CS881**

##### **TITLE OF THE PROJECT**

##### **BY**

##### **IT\_PROJ\_2024\_<group no.>**

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| **Name of Students** | **Roll No.** |
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**Under the Guidance**

**of**

**Prof. …………………………………………**

Submitted to the Department of **Information Technology** in partial fulfillment of the requirements for the award of the degree Bachelor of Technology in **Information Technology.**

**Year of Submission: 2024**



**Siliguri Institute of Technology**

**P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN:734009**

**Tel: (0353)2778002/04, Fax: (0353) 2778003**

**DECLARATION**

This is to certify that Report entitled “…………………………”which is submitted by me in partialfulfillment of the requirement for the award of degree B.Tech. in**Information Technology**at**Siliguri Institute of Technology** under**MaulanaAbulKalam Azad University of Technology**, West Bengal. We took the help of other materials in our dissertation which have been properly acknowledged.This report has not been submitted to any other Institute for the award of any other degree.

Date:

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| --- | --- | --- | --- |
| SN | Name of the Student | Roll No | Signature |
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**CERTIFICATE**

This is to certify that the project report entitled \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

submitted to **Department of Information Technology of Siliguri Institute of Technology** in partial fulfilment of the requirement for the award of the degree of **Bachelor of Technology in Information Technology**during the academic year **2023-24,**is a bonafide record of the project work carried out by them under my guidance and supervision.

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| **Project Group Number :** | | | |
| **SN** | **Name of the students** | **Registration No** | **Roll No** |
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**------------------------------------------**

**Signature of the HOD**

**Department of Information Technology**

**---------------------------------------**

**Signature of Project Guide**

**Name of the Guide:**

**Acknowledgement**

The acknowledgement page depicts the gratitude, respect and thankfulness of the student towards the people who helped him in pursuing the project successfully and ensured successful completion and implementation of the project. In this page, the author expresses his gratitude and concern by using praising and thanksgiving words.

Signature of all the group members with date

1.

2.

3.

4.

Table of Contents

Type chapter title (level 1)1

Type chapter title (level 2)2

Type chapter title (level 3)3

Type chapter title (level 1)4

Type chapter title (level 2)5

Type chapter title (level 3)6

Type chapter title (level 1)7

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Type chapter title (level 3)9

**Table of Contents**

**List of Tables**

Table of contents provides a complete sketch of the title, subtitles, headings, topics and the project elements that are involved in those headings. In other words, different sections and their titles are included here.

The whole project report in a nutshell is made known in the table of contents section, and therefore, it should include the titles of the first, second and third level headers, and must give a clear picture of the report to the reader.

**List of Figures**

Similarly, a list of figures and tables helps the reader to locate diagrams, charts and tables in the document, and therefore, it should be numbered accordingly by chapter and page number. It is not necessary to indicate page numbers for symbols and abbreviations used in the document.

**Abstract:**An abstract should be 250-350 words in English.

Abstract represents a summarized report of the complete project in a very concise and informative format covering main objective and aim of the project, the background information, processes and methods used, and methodologies implemented, followed with a brief conclusion of two to three lines talking about the results and scope of the project.

The entire abstract of a project report should be written in about 250 to 350 words, and therefore, should not exceed any further.

**Main Text:** Candidate is strongly advised to discuss with their supervisor the styleof writing of the project report before writing begins. The Stages of investigation and writing are likely to be according to the nature of the subject and should be worked out in consultation with supervisor. However the text should be divided in the chapters and each chapter, headings and subheadings should be numbered like x.y.z.A.B….. where x stands for chapter number y stands for headings and z,A,B.. etc stands for subsequent subheadings. Chapter heading should be edited at center while heading and subheadings should be edited at left. There should be separated uniformity in headings and subheadings. Main chapter heading should be in capital letters. Each paragraph should be started from the next line of heading and subheadings. The general guidelines for chapters are as follows, references should be quoted by authors name or by S.No.

**Introduction**

**System Analysis**

1. Identification of Need
2. Preliminary Investigation
3. Feasibility Study
4. Project Planning
5. Project Scheduling
6. Software requirement specifications (SRS)
7. Software Engineering Paradigm applied
8. Data model, Control Flow diagrams, State Diagrams/Sequence diagrams ERD’s/ Class Diagrams/CRC Models/Collaboration Diagrams/Use-case Diagrams/Activity Diagrams depending upon your project requirements

**System Design**

1. Modularisation details
2. Data integrity and constraints
3. Database design/Procedural Design/Object Oriented Design
4. User Interface Design

**Coding**

1. **Complete Project Coding is not required.** Include important modules' codes only.
2. Comments and Description
3. Standardization of the coding /Code Efficiency
4. Error handling
5. Parameters calling/passing
6. Validation checks

**Testing**

1. Testing techniques and testing strategies used ***along with the test case designs*** and test reports. **(Don’t include definition and description of testing techniques.)**
2. Debugging and Code improvement

System Security measures (Implementation of security for the project developed)

1. Database/data security
2. Creation of User profiles and access rights

**Cost Estimation of the Project**

**Reports** (sample layouts should be placed)

**PERT Chart, Gantt chart**

**Conclusion and Recommendations**

The conclusion and recommendations part summarizes the whole report by highlighting all the chapters and their significance and the importance of the project and about the achievements.

The Recommendations are interlinked with conclusion. The conclusion drawn from the project report can be further implemented in the recommendation section to overcome the constraints of the project (i.e. Future scope and further enhancement of the project).

**Referencing and Appendices**

The project report must be considered as a very standard report, and therefore, it should follow all rules, guidelines and protocols of gathering and presenting information, and implementing that and drawing conclusions out of it.

All these activities require appropriate and authentic sources of information and that particular information must be **referenced or cited** according to the copyrights and other guidelines. Therefore, to make the report original, it should be free from **plagiarism** and must follow standard citations and guidelines of citations to represent the reference names.

The appendices of a project report should be written in Times New Roman format of font size 10, and it should contain the information which is appropriate and added to the main text like[Reference No].

**Reference:** All the references should be arranged alphabetically or serially as thecase may be for quoting in text.

**For Journals:**

Kerr, G.T. : Chemistry of Crystalline Aluminositicate; **The J. Phy.Chem.**, April 1968, vol.73, no.3 pp1385-1386.

Garside, J. et-al; Industrial crystallization from solution;

**Chem..Engg.Sci**., 1985, vol. 40, no.2, pp. 3-26.

**For books:**

MeCabe and Smith; **Unit Operations in Chemical Engg.**, 4th ed., TMH, pp.812-814.