**PROJECTTITLE**

**{Times New Roman-18 (Bold) At Center}**

Submitted in partial fulfillment of therequirements

of the degree of

{Times New Roman-12}

**B. E. Computer Engineering**

**{Times New Roman-15 (Bold)}**

By

**Name of the Student Roll No. PID**

**Name of the Student Roll No. PID**

**Name of the Student Roll No. PID**

Name of Internal guide

Guide (s):

**Name of the Guide**

Designation

IN-HOUSE PROJECTS omit this.

OUT-HOUSE PROJECTS

Put the name & designation of the External guide

**Name of the Co-Guide**

Designation



Department of Computer Engineering

St. Francis Institute of Technology

(Engineering College)

University of Mumbai

2019-2020

**CERTIFICATE**

This is to certify that the project entitled**“Title of Project”**is a bonafide work of**“Name of the Student” (Roll No.)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of B.E. in Computer Engineering

IN-HOUSE PROJECTS omit this.

OUT-HOUSE PROJECTS

Put the name of the External guide

**(Name and sign) (Name and sign)**

**Guide Co-Guide**

**(Name and sign) (Name and sign)**

**Head of Department Principal**

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CERTIFICATE

(Only for students doing out house projects- They have to add a letter from the company in which they registered for their project)

**Project Report Approval for B.E.**

This project report entitled (***Title***) by (***Author Name***) is approved for the degree of ***B.E. in Computer Engineering.***

Examiners

1.---------------------------------------------

2.---------------------------------------------

Date:

Place:

ii

Declaration

I declare that this written submission represents my ideas in my own words and where others' ideas or words have been included, I have adequately cited and referenced the original sources. I also declare that I have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission. I understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

-----------------------------------------

(Signature)

-----------------------------------------

(Name of student and Roll No.)

Date:

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**Abstract**

The 250-500 word abstract shall highlight the important features of the project report and shall correspond to the electronic version to be submitted to the Library for inclusion in the website.

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**Contents**

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| **Chapter** | | **Contents** | **Page No.** |
| **1** |  | **INTRODUCTION:** Give at least two to three sentences about your project. |  |
| **1.1** | **Description *(Brief description of project)*** The main functionality of the project should be explained in brief |  |
| **1.2** | **Problem Formulation *(Explain the problem)*** |  |
| **1.3** | **Motivation *(need of the project)***: List the various approaches along with its drawbacks for solving the problem and briefly explain the approach used for your project. |  |
| **1.4** | **Proposed Solution:** Explain the method/technique used for solving the problem and how it overcomes the drawbacks mentioned under heading 1.3. Also explain how the project is going to help end users. |  |
| **1.5** | **Scope of the project *(scale/range of your project)***: This can be in terms of domain or application related constraints/limitations. |  |
| **2** |  | **REVIEW OF LITERATURE *(include at least 3IEEE or similar reputed technical papers as reference*)** Should be atleast 2 pages which gives the ideas referenced by the reference papers. Mark the references wherever appropriate. (Note: - Please don’t write the paper titles and the abstract of papers.) |  |
| **3** |  | **SYSTEM ANALYSIS** |  |
| **3.1** | **Functional Requirements*( write requirements of the project)*** Should follow the IEEE SRS format |  |
| **3.2** | **Non Functional Requirements** Should follow the IEEE SRS format |  |
| **3.3** | **Specific Requirements *(Hardware and software requirements)*** |  |
| **3.4** | **Use-Case Diagrams and description**  (Application development projects use-case is mandatory) |  |
| **4** |  | **ANALYSIS MODELING** |  |
| **4.1** | **Data Modeling *(E-R Model if any with its associated Data dictionary****)* Applicable for those applications which are dependent on data storage and retrieval. ER Diagram normalized till the third normal form accompanied by the respective data dictionary table should be included |  |
| **4.2** | **Activity Diagrams / Class Diagram**Depending on the type of your project you may include any of the diagrams**.** |  |
| **4.3** | **Functional Modeling (DFDs *with specifications)****mandatory for all projects* |  |
| **4.4** | **TimeLine Chart*(For semester 7and 8)*** |  |
| **5** |  | **DESIGN** |  |
| **5.1** | **Architectural Design (*Project Flow /architecturewith description)*** |  |
| **5.2** | **User Interface Design** GUI for your project |  |
| **6** |  | **IMPLEMENTATION (if any)** |  |
| **6.1** | **Algorithms / Methods Used**  Mention your algorithms if any or any methodology used. |  |
| **6.2** | **Working of the project *(code for mentioned algorithms)*** |  |
| **7** |  | **CONCLUSIONS** |  |

Appendix

References

Publications by your group (if any)

Acknowledgements

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**List of Abbreviations**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Abbreviation** | **Expanded form** |
| i | DSS | Decision Support System |
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