MINOR PROJECT ON: < Title>

Minor Project Submitted in Partial Fulfillment of the Requirements

for the degree of

Master Of Computer Application

By

<Name Of the Student>

<university Roll Number>

Under the guidance of
<Name of The Guide(s)>

Techno India, Salt Lake
EM 4/ Salt lake City, 1Sector V
KOLKATA – 700091
<Year>

(Maulana Abul Kalam Azad University of Technology)

Techno India, Salt Lake
FACULTY OF MCA DEPARTMENT

Certificate of Recommendation

This is to certify that <name of the student> has completed his project work titled "Minor project on: <Title>", under the direct supervision and guidance of <Guide(s)>. We are satisfied with his work, which is being presented for the partial fulfillment of the degree of Master of Computer Application (MCA), Maulana Abul Kalam Azad University of Technology, Kolkata– 700064.

_____

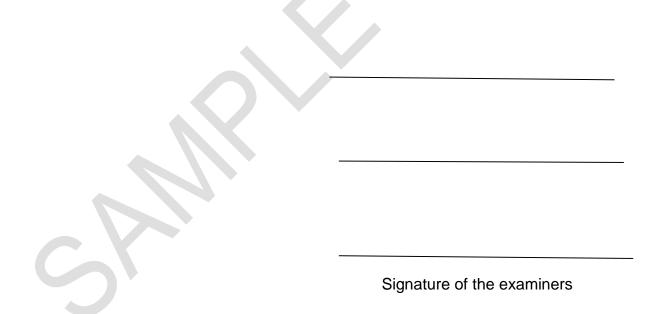(Name of Teacher in charge of Project)

Date:

_____

Prof. (Dr.) Monalisa Banerjee

HOD MCA Department

(Techno India, Salt Lake)

Date:

(Maulana Abul Kalam Azad University of Technology)

Techno India, Salt Lake
FACULTY OF MCA DEPARTMENT

Certificate of Approval *

The foregoing Minor project is hereby approved as a creditable study of Master of Computer Application (MCA) and presented in a manner satisfactory to warrant its acceptance as a pre-requisite to the degree for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or any statement made, opinion expressed or conclusion therein but approve this Minor project only for the purpose for which it is submitted.

_____

_____

_____

Signature of the examiners

Final Examination for
Evaluation of the Project

- Only in case the Minor project is approved

PREFACE

Goal of the Minor project

<Specify the Goal of the Minor Project>

<Organization of the Minor Project>

<Give Table information and purpose>

< Give Image Information and purpose>

<Acknowledgment>

Minor Project on **<Name Of the project>**		
	Statement about the problem:	
1	**Scope of the Project**	
2.	**Concepts and Problem Analysis** **Cost Analysis [use COCOMO model/ Function Point]** **Time Analysis** **Team Structure** **Software Configuration Management** **Quality Assurance Plan** **Risk Management**	
3.	**Literature Survey / web application survey**	
4.	**Theoretical Background**	
5.	**Software Requirement Specifications**	
6.	**Design/Solution/Methodology** **Data Design** **Architectural Design [preferably use UML design]** **Interface Design** **Procedural Design**	
7.	**Coding Standard Followed and Assumptions**	
8.	**Result Set Analysis**	
9.	**Testing**	

10.	Future Scope of the Project	
11.	Conclusion	
12.	References and Bibliography	
13.	Appendix	

SAMPLE

Sample References:

1) M. Sanjeev Arulampalam, Simon Maskell, Neil Gordon, and Tim Clapp, "A tutorial on particle filters for online nonlinear/non-Gaussian Bayesian tracking", IEEE Transactions on Signal Processing, Vol. 50, No. 2, pp:174-188, Feb' 2002.

2) R. N. Banavar, J. L. Speyer, "Properties of Risk-Sensitive Filters/Estimators", IEE Proceedings of Control Theory Application, Vol.145, No. 1, January 1998.

3) R. G. Brown, and P. Y. C. Hwang, Introduction to Random Signals and Applied Kalman Filtering with Matlab Exercises and Solutions, 3rd Edition, John Wiley & Sons, Inc, 1997.

4) Universal Description, Discovery and Integration, UDDI;http://www.uddi.org; October 5, 2007.

REQUIREMENTS SPECIFICATION DOCUMENT:

ABSTRACT

1. Introduction
    1.1. Purpose
    1.2 Scope
    1.3 Definitions, Acronyms, Abbreviations
    1.4 References
    1.5 Developer's responsibility Overview
2. General Description
    2.1 Product Function overview
    2.2 User Characteristics
    2.3 General constraints and Assumptions
3. Functional requirements
    3.1 General Description of inputs and outputs
    3.2 Functional requirements
4. External Interface requirements
    4.1 user Interface
    4.2 Error Messages
5. Performance Constraints
6. Design Constraints
    6.1 Software constraints
    6.2 Hardware constraints

APPENDIX -II

Data Design

In this Part you should specify ERD and tables.

Architectural Design

In this part you should give Class design, Class relationship model, use cases, sequence diagram for specific modules

SAMPLE DESIGN LAYOUT CONSTRAINTS:

Screen design layout Constraint   for page Name

component Type	backgro und color/ image	size maximum size	font type	font size	Type of vali -dation included	Purpose of the components

Detailed information should be specified here and purpose of the componts.
More than one validation may be incorporated with one component.

APPENDIX -- IV

Procedural Design Format: [NO POJO CLASSES ARE INCLUDED HERE]

Class Name:
Purpose:
Member Functions:
1. **Name of Function:**
   Argument List:
   Return Type:
   Purpose of the Function:
   Algorithm:

[Note:
If you do not follow the MVC model, then you should give the DFD and then identify the module hierarchy. Specify the purpose of each module, argument list, return type and specify the algorithm.

If you use the DFD, then you should follow the Function point cost estimation method.]

APPENDIX – V

DOCUMENTATION FOR TESTING:

1. **You should perform the detailed validation testing.**

2. **You should identify the cyclometic complexity and identify the paths. Then perform the path testing and also perform the boundary value testing.**

3. **You may use tools Selenium or JUnit.**