

MCA CP 402 -Project Guidelines -

Refer : <https://www.mgu.ac.in/uploads/2021/02/SCHEMESYLLABUS-OF-MCA-2020.pdf?x18327> (Annexure 10, Page 73 onwards)

The report must contain 100 to 120 pages.

The cover should be in a Navy Blue Color.

Font & size - Times New Roman & 12 pt.

Heading (14 pt Bold) and subheading. (12 pt Bold)

Include Page numbers in the bottom center

It should have the following contents in the prescribed format

- 1. Cover Page as per format (See [Annexure 10.1](#))**
- 2. Bonafide Certificate as per format (See [Annexure 10.2](#))**
- 3. Certificate of the Head of Department as per format (See [Annexure 10.3](#))**
- 4. Certificate of the Internal project guide as per format (See [Annexure 10.4](#))**
- 5. Certificate of the Company/Organization (Attach the original copy)**
- 6. Declaration by student as per format - (See [Annexure 10.5](#))**
- 7. Acknowledgement**
- 8. Table of Contents**

Please use the MS Word Table of content feature for this and not a manual TOC.

9. Abstract

This should describe the problem and the solution given by your project in brief. Limit the description to 1-2 pages.

10. Chapter 1 Introduction

- *Introduction*

- *Problem Statement*
- *Scope and Relevance of the Project*
- *Objectives*

11. Chapter 2 System Analysis

Introduction

Existing System

-Limitations of Existing System

Proposed System

-Advantages of the Proposed System

Feasibility Study

-Technical Feasibility

-Operational Feasibility

- Economic Feasibility

Software Engineering Paradigm Applied

12. Chapter 3 System Design

Introduction

| *Database Design*

Show tables

Object Oriented Design

-UML Diagrams

✓ *Use Case Diagram*

✓ *Activity Diagram*

✓ *Class Diagram*

✓ *Sequence Diagram*

Modular Design

-Modules Description

Form Design

13. Chapter 4 System Environment

Software Requirements Specification

Tools, Platforms

Front End Tool

Back End Tool

Operating System

14. Chapter 5 System Implementation

Coding

-Sample Codes

15. Chapter 6 System Testing

Introduction

Unit Testing

-Test Plan & Test Cases

Integration Testing

System Testing

- Test Plan & Test Cases

16. Chapter 7 System Maintenance

Introduction

Maintenance

17. Chapter 8 System Security Measures

Introduction

Operating System-Level Security

Database Level Security

System-Level Security

18. Chapter 9 System Planning and Scheduling

Introduction

GANTT Chart

19. Chapter 10 System Cost Estimation

Introduction

LOC Based Estimation / Function Point based Estimation

(Specify anyone used for estimation)

20. Chapter 11 Future Enhancement and Scope of further Development

Introduction

Merits of the System

Limitations of the System

Future Enhancement of the System

21. Annexure :

Organization profile

Give a brief background of the organization where the student has developed the project

Document Glossary, Figures, Tables

A list of abbreviations should be provided in the document glossary. Each figure and the table should be labeled. You should create an index for these like the table of contents.

References :

→ **Books:** Any references you made to books and papers should be listed here with the book name, edition, name of author, and publisher.

→ **Websites:** Any references you made to websites should be listed here with the URL and date of access.

Sample Project code / Algorithm if the project code is not available.

** Students who have done their project for any organization are permitted to attach detailed algorithms/specifications instead of code, in case the organization doesn't permit them to attach the code. The student needs to attach a letter in the project report from the Project Manager of the project in the organization that they are not permitting students to attach the code. In the absence of such a letter, the student needs to attach the code compulsorily.*

The project report should be hardbound; should consist of a Contents page; all pages of the report should be numbered; content should be well organized in a meaningful manner; printouts of text & screen layouts should be original and should not be Xeroxed.