GUIDELINES

For

Major Project

(23ONMCR-753)

of the programme

Master of Computer Applications

Batch - Jul 2023

Fourth Semester

CENTRE FOR DISTANCE & ONLINE

EDUCATION   CHANDIGARH UNIVERSITY

Contents

1. Objectives:

The major project is designed to help students develop practical ability and working knowledge of practical tools / techniques to solve real life problems related to the industry, academic institutions and research in the field of computer science / information technology. Each student needs to take up this major project as an individual. Projects could be based on Application Development Technologies learnt in previous and or current semesters. As part of the major project each student will have to prepare proper documentation consisting of Software Requirements Specification (SRS), Modeling Techniques, Development Strategies and Implementation Strategies.

2. Hardware Requirements:

- Pentium-IV processor or above
- 2GB RAM
- 40GB Hard Disk
- Graphics card
- Any other required Interfaces

3. Software Requirements:
Use latest software tools as per current industry demands.

- **Front end Tools:**
  - Student needs to mention IDE or any specific software that student used to design front end part of the project.

- **RDBMS / Back end Tools**
  - Student needs to mention Backend or database used in as storage for the project.

- **Coding Technology**
  - The coding language used by student to code proposed project.

- **Internet Technologies:**
  - TCP/IP, FTP, Telnet, SMTP, Java, RMI, CORBA, Swing, JSP, Servlets.

- **Operating Systems:**
  - Windows 10 / 8 / 7 / 2000 / ME / NT / XP / Vista, UNIX, Linux, Android

4. Broad Areas of Applications:

- Database Management Systems
- Computer Communication and Networking
- Mobile Application Development
- Machine Learning
- Software Engineering

5. Major Project Guidelines

- Projects must be done individually.
- The Same report of two students will not be accepted.
- Must send the soft copy of the final project report with complete project details (source code, executable files, project report & project presentation ppt).
- The University will evaluate the project by conducting **Project Examination** through internal & external examiners.
- Students must demonstrate their project to the internal & external examiner on the date specified by the university. The date will be mentioned in the university term-end examination timetable.
- The soft copy must be submitted to the University by the students before the deadline.

❖ **Major Project Development**

The project under development must follow all necessary steps

Phase 1: Identification Phase

In this Phase students should identify the tools/technology required for conducting the Project and also identify the hardware and software requirement for the Project.

Synopsis of Major Project: Synopsis of project must contain following information:

1. Title of the project
2. Objective
3. Resource required

Phase 2: Development Phase

This phase may involve actual Design and Implementation of the identified project.

Phase 3: Project Report: Project Report must contain following information:

1. The length of the report may be about 60 pages, with 1.5 line spacing, 1.25 inches margin on either side, printed on A4 size papers. 10% variation on either side is permissible.

2. **Table of Contents**

   A. Title Page

   B. Certificate

   C. Declaration

   D. Acknowledgement

   E. Abstract

   F. Table of Contents

   G. Introduction

   H. SDLC of the Project

   I. Design

   J. Coding & Implementation

   K. Testing

   L. Application

   M. Conclusion

   N. Bibliography(APA Style)

6. Evaluation

Methodology of Conduct of Project

The course titled "Major Project" bearing the subject code 23ONMCR-753 has 12 credits weight.

TABLE 1 - COMPONENTS OF MAJOR PROJECT EXAMINATION					
PAPER	PEP 1	PEP 2	PEP 3	PEP 4	PEP 5
23ONMCR-753	Synopsis	Participation in Project Work and Accomplishment	Project Report	Presentation	Viva

TABLE 2 – MAJOR PROJECT MARKS DISTRIBUTION																
PAPER	MAXIMUM MARKS			PEP 1		PEP 2		PEP 3		PEP 4		PEP 5	
	INT	EXT	PE MAX	INT	EXT	INT	EXT	INT	EXT	INT	EXT	INT	EXT
23ONMCR753	30	70	100	15	N A	15	NA	NA	40	NA	10	NA	20

*PEP - Project Evaluation Parameter