

MCA-47 PROJECT WORK

General Course Information

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| Course Code: MCA-47 Course Credits: 6 Mode: Self learning under the guidance of a faculty member. | Course Assessment Methods (internal: 30; external: 70) Evaluation is done by the internal examiner (project guide) and external examiner appointed by Controller of Examination. The criteria for evaluation are given below. 1. Review of literature related to problem domain: 15 2. Significance and originality of the solution presented: 15 3. Application of software engineering principles and project management: 15 4. Significance and Scope of results: 20 5. Organization and presentation of major project report: 20 6. Level of Ethics and societal issues covered: 15 |
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About the Project Work:

Students start working on their project work in the beginning of fourth semester. Students do the background research for identifying appropriate problems, methodology and tools for their respective project works. They prepare a synopsis of the project work to be carried out. Each student is required to prepare a synopsis in the format provided and present it in front of a committee constituted by the Chairperson of the Department. Students can carry out projects in groups of two. In case of group project, the size of the problem should be significant, and members of the group must specify their individual contribution.

After approval by the internal committee, they continue working on their project work throughout 4th semester. They carry out implementation of their respective projects based on the problem identified, methodology and tools suggested in the approved synopsis. They are required to complete their project work by the end of 4th semester. They prepare the final project reports according to the format provided. At the end of fourth semester, each student is required to present his/her project work in front of internal project guide and external examiner appointed by Controller of Examination.

Course Outcomes: After doing Project students will be able to:

- CO1. **Evaluate** critically the existing solutions and methodologies through reviewing literature.
- CO2. **Plan** the project according to principles of project management.
- CO3. **Devise** original solutions to complex problems using modern tools.
- CO4. **Justify** the outcomes of the project work.
- CO5. **Organize** and communicate (written and oral) ideas effectively.
- CO6. **Develop** solutions that meet ethical, societal and legal considerations.

Department of Computer Science and Engineering
Guru Jambheshwar University of Science and Technology, Hisar-125001

Name of the Programme: _____

Semester: _____

Session: _____

Credits: 6

Total Marks: 100

Evaluation of Project Work (MCA-47)

| SR. No. | Roll. No. | Review of literature related to problem domain CO1 (15) | Application of principles of software engineering and project management CO2 (15) | Significance and originality of the solution presented CO3 (15) | Significance and Scope of the Results CO4 (20) | Organisation and presentation of major project report CO5 (20) | Level of Ethics followed and societal issues covered CO6 (15) |
|------------|--------------|---|---|---|---|--|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Name of the external examiner:

Name of the internal examiner:

Total Candidates:

Signature of the External Examiner:

Signature of the internal Examiner:

No. of Candidates Present:

Date:

Date:

No. of Candidates Absent:

Guidelines for preparing Project Work (Synopsis)

All the students are required to follow these guidelines for preparing their project synopsis.

General Guidelines

1. The student should follow ethical practices while doing the synopsis work. Any violation of ethical practices will lead to rejection of the synopsis. For instance, a plagiarized synopsis or a readymade synopsis purchased from market will be rejected straight away.
2. The synopsis must be submitted to the internal guide in soft binding at least 7 days before the presentation so that he/she can suggest changes.
3. Synopsis carried out in groups of two students must include the division of work.

Formatting Instructions

The formatting instructions are given in Table below.

| Formatting Instructions | | |
|-------------------------|-------------------------|--|
| Sr. No. | Item | Formatting |
| 1. | No. of pages | Minimum 6 and maximum 10 |
| 2. | Paper size | A4 |
| 3. | Font Type | Times New Roman |
| 4. | Normal text size | 12 |
| 5. | Page numbering | Place: Centre Bottom |
| 6. | Margins | Left margin: 3.75 cms (1.5 inch) Right, bottom, top= 2.5 cms (1 inch) |
| 7. | References/Bibliography | IEEE format |
| 8. | Binding | Soft binding of good quality |

Contents of the Project Work (Synopsis)

The synopsis must be written in English. The ideas must be organized in a clear and concise fashion. Sections must be tentatively organized as below.

1. Contents Page
2. Introduction
3. Background Details and Literature Review
4. Problem Formulation and Objectives
5. Methodology and tools to be used
6. References/Bibliography

Signature
Name of Student
Registration Number
Department of Computer Science and
Engineering
Guru Jambheshwar University of Science and
Technology, Hisar

Signature
Supervisor
Designation
Department of Computer Science and
Engineering
Guru Jambheshwar University of Science and
Technology, Hisar

Format of Title Page

The format for the title page of the synopsis is given on the next page

TITLE OF THE PROJECT WORK (SYNOPSIS)

(Write in Times New Roman, 16-point size, Bold and Centred and Uppercase font)

*Project Work (synopsis) submitted to
Guru Jambheshwar University of Science and Technology, Hisar
for the partial award of the degree*

(Write in Times New Roman, 12-point size font, Bold, Italics and Centred style after 4 lines gap with 12 font size from the title of the project)

of

(Write in Times New Roman, 12-point size font, Bold, Italics and Centred style after 2 lines gap with 12 font size from the text above in three lines)

Master of Computer Applications

(Write in Times New Roman, 14-point size, Bold, Centred style after “*of*” after 2 lines gap with 12 font size)

by

(Write in Times New Roman 12-point size, Bold, Italics, and Centred style after the name of the degree with 2 lines gap with 12 font size)

**Your Name
(Enrolment Number)**

**Supervisor Name
Designation**

(Write in Times New Roman, 14-point size font, Bold, Centred style after 2 lines gap with 12 font from “*by*”)



**Department of Computer Science & Engineering
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND
TECHNOLOGY, HISAR**

Month, Year

(Write in Times New Roman, 14-point size font, Bold, Centred style, after 2 lines gap from logo)

Guidelines for preparing Project Work Report

All the students are required to follow these guidelines for preparing their final project report.

General Guidelines:

1. The title of the project must be same as that of the title in the synopsis submitted.
2. The report must include a declaration by the student that he/she has followed ethical practices while doing the project work. Any violation of ethical practices will lead to rejection of the report. For instance, a plagiarized report or a readymade report purchased from market will be rejected straight away.
3. Project works carried out in groups of two students must include the individual contribution of the students.
4. A CD of the project work should be included in closed pocket inside the back cover page. The CD must bear the name, registration number and title of the project.
5. The report must be submitted to the internal guide in soft binding at least 10 days before the final examination so that he/she can suggest changes before the report is presented to external examiner.

Formatting Instructions

The formatting instructions are given in Table below.

| Formatting Instructions | | |
|-------------------------|--|--|
| Sr. No. | Item | Formatting |
| 1. | Front Cover | Dark Green and contents in golden ink |
| 2. | No. of pages | Minimum 40 and maximum 70 excluding front material |
| 3. | Paper size | A4 |
| 4. | Font Type | Times New Roman |
| 5. | Chapter Heading Font | 16 |
| 6. | Font of Sections and Subsections | 14 and 12 in bold style |
| 7. | Numbering style for sections and subsections; Do not use more than three levels. | 2., 2.1 and 2.1.1 |
| 8. | Normal text size | 12 |
| 9. | Figures and Tables must be numbered chapter-wise. Table headings on the top of the tables and Figure heading at the bottoms of the figures. | For example for chapter 2, Figures should be numbered as Fig. 2.1, Fig. 2.2 etc. and Tables as Table 2.1 and Table 2.2 etc. |
| 10. | Page numbering | Place: Centre Bottom Type: Front material in Roman numbers Body of the report: in Arabic numerals. Pagination must start with first page of the first chapter and continue throughout the end of the report. |
| 11. | Margins | Left margin: 3.75 cms (1.5 inch) Right, bottom, top= 2.5 cms (1 inch) |
| 12. | References/Bibliography | IEEE format |
| 13. | Binding | Hard binding of good quality |

Contents of the Project Report

The contents of the report should be organised as described below.

1. The first page in the report should be same as the cover page.
2. Declaration that the students has carried out his work on his own. It is his/her original creation, not plagiarised from any other source and due credit has been given to the source material used in the report through references and citations.

3. Acknowledgement
4. List of figures
5. List of Tables
6. List of Abbreviations
7. Contents

Abstract (in not more than 250 words)

This answers the question what have you done? How have you done and brief indication about the results.

8. Body of the Report

The report must be written in English. The ideas must be organised in a clear and concise fashion. Chapters must be tentatively organised as below.

Chapter 1. Introduction

This includes introduction to relevant area of project, problem formulation objectives of the project, and structure of the project report.

Chapter 2. Background Details and Literature Review

Chapter 3. Design or Framework of the project work

Methodology, Data Flow Diagrams, Entity Modelling etc.

Chapter 4. Discussion and Analysis of Results

Discussion and comparison of results.

Chapter 5. Conclusion and Future Scope

This includes relevance and scope of the project work, and its extensions.

References/Bibliography

9. Appendices

Declaration to be Submitted

The format of declaration to be included in the project report is given on next page.

Format of the Title Page

The format of the title page for the Project Work is given on the next to next page

DECLARATION

I, *Your Name, Your Roll No.*, certify that the work contained in this project report is original and has been carried by me under the guidance of my supervisor. This work has not been submitted to any other institute for the award of any degree or diploma and I have followed the ethical practices and other guidelines provided by the Department of Computer Science and Engineering in preparing the report. Whenever I have used materials (data, theoretical analysis, figures, and text) from other sources, I have given due credit to them by citing them in the text of the report and giving their details in the references. Further, I have taken permission from the copyright owners of the sources, whenever necessary.

Signature

Name of Student

Registration Number

Department of Computer Science and Engineering

Guru Jambheshwar University of Science and Technology, Hisar

Signature

Supervisor

Designation

Department of Computer Science and Engineering

Guru Jambheshwar University of Science and Technology, Hisar

TITLE OF THE PROJECT REPORT

(Write in Times New Roman, 16-point size, Bold and Centred and Uppercase font)

*Project report submitted to
Guru Jambheshwar University of Science and Technology, Hisar
for the partial award of the degree*

(Write in Times New Roman, 12-point size font, Bold, Italics and Centred style after 4 lines gap with 12 font size from the title of the project)

of

(Write in Times New Roman, 12-point size font, Bold, Italics and Centred style after two lines gaps with 12 fontsize from the text above in three lines)

Master of Computer Applications

(Write in Times New Roman, 14-point size, Bold, Centred style after “*of*” after 2 line gaps with 12 font size)

by

(Write in Times New Roman 12-point size, Bold, Italics, and Centred style after the name of the degree with 2 lines gap with 12)

Your Name

Supervisor Name

(Enrolment Number)

Designation

(Write in Times New Roman, 14-point size font, Bold, Centred style after 2 lines gap with 12 font from “*by*”)



**Department of Computer Science & Engineering
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND
TECHNOLOGY, HISAR
Month, Year**