B.C.A. (System Administration and Cyber Security)

Semester-V

L-0 T-0 P-36 C-18

SACS220: Major Project

Course Objectives:

- To solve industrial (or society or research) problems.
- To plan, schedule, and monitor the software project.
- Development, coding, and testing of a large project cohesively.
- Documentation of project.

Major Project Guidelines

1) The project proposal should be prepared in consultation with your guide. The project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken. The project work should compulsorily include the software development.

2) Synopsis of the project proposal (15-20 pages) covering the following aspects may be prepared:

(i) Title of the Project

(ii) Introduction and Objectives of the Project

(iii) Project Category (RDBMS/OOPS/Networking/Multimedia/Artificial Intelligence/Expert Systems etc) Tools/Platform, Hardware and Software Requirement specifications

(iv) Problem Definition, Requirement Specifications (Detailed functional Requirements and Technical Specifications), Project Planning and Scheduling (Gantt chart/PERTchart)

(v) Scope of the solution

(vi) Analysis (DFDs, ER Diagrams/Class Diagrams etc. as per the project requirements)

(vii) A complete structure which includes:

- Number of modules and their description to provide an estimation of the student's effort on the project
- Data Structures as per the project requirements for all the modules. Process Logic of each module
- Implementation methodology
- List of reports that are likely to be generated

(viii) Overall network architecture (if required for your project)

(ix) Implementation of security mechanisms at various levels

(x) Future scope and further enhancement of the project

(xi) Bibliography

3) Every student, (in a group of maximum two) will be asked to select a particular project listed by the department, on which he/she will have to develop a working module in semesters.

4) Two copy of the original project report in the hard bound form along with the CD (containing the executable file(s) of the project should be enclosed in the last page) is to be submitted to the University.

5) Coding standards should be followed meticulously. At the minimum, the code should be self documented, modular, and should use the meaningful naming convention.

Project Title

A Project Report Submitted to

Mandsaur University, Mandsaur

Towards Partial Fulfillment for the Award of

Name of Program

Submitted By

STUDENT NAME

Enrollment No.

Project Title

A

Project Report Submitted to

Mandsaur University, Mandsaur

Towards Partial Fulfillment for the Award of

Name of Program

Submitted To

Project Guide Name

Designation

Submitted By

Student Name

Enrolment No.

Department of Computer Science & Applications Mandsaur University, Mandsaur

CERTIFICATE

The Dissertation entitled **"Project Title"** being submitted by **Student Name (Enrollment No.)** has been examined by us and is hereby approved for the award of degree **Program name** for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

Internal Examiner

Date:

External Examiner

Date:

Department of Computer Science & Applications Mandsaur University, Mandsaur

DISSERTATION APPROVAL SHEET

The dissertation work entitled "Project Title" submitted by Student Name **(Enrollment No.)** is approved as partial fulfillment for the award of the **Program Name** degree by Mandsaur University, Mandsaur (M.P).

Approved by

Head of Department Name
(HOD CA)

Department of Computer Science & Applications Mandsaur University, Mandsaur

DECLARATIONS

I hereby declare that the work, which is being presented in the dissertation, entitled **"Project Title"** partial fulfillment of the requirements for the award of degree of **Program Name** submitted in the **Department of Computer Science & Applicatiosns (Mandsaur University, Mandsaur)** is an authentic record of my own work carried under the guidance of **Guide Name**. I have not submitted the matter embodied in this report for award of any other degree.

Student Name

(Enrollment No)

ACKNOWLEDGEMENT

I take the opportunity to express my cordial gratitude to **XYZ,** HOD Department of Computer Science & Application, Mandsaur University, Mandsaur (M.P.) for the valuable guidance and inspiration throughout the dissertation work. I feel thankful for his innovative ideas, which led to successful completion of this work.

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Student Name

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