DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Course Title: Major Project
Course Code: ETCS-460
Credits: 3

General Instructions

- Each student has to submit working Project at the end of the semester.

- Synopsis of the project must be submitted at the beginning of the semester for approval from the Project Coordination Team and HoD in a specified format. Approval of the Project title by the *Project Coordination Team* is mandatory.

- Students can work on project in team. Each project team can have maximum three students.Special cases can be discussed with the *Project Coordination Team.*

- Each project should have faculty mentor/guide. Faculty can guide maximum 3 projects in any semester.

- Each student should submit their progress report every week and get it signed by the respective guide.

- It is mandatory to publish a Research paper under project guide in any referred Journal/Conference.

Note

- Information regarding Major Project can be seen at CMS/LMS, Department Website (http://cse.mait.ac.in), and student notice boards.

- No Personal e-mails will be entertained.

Potential Sources of Research Problems:

- Referred recent published and unpublished research papers.
- Any ongoing Project.
- Improvement/enhancement of existing system.
- Developing new models/framework/Technologies.
- Interdisciplinary based research/project.
- Research Based Paper should be from a standard Journal/Conference or authentic website.
- Some good Publications are SPRINGER, IEEE, WILEY, ELSEVIER, TAYLOR AND FRANCIS, ANY SCI OR SCOPUS JOURNAL OR CONFERENCE PAPER.

Research based Project Report Format

- Research Topic
- Background/Introduction of the problem
- Problem Statement
- Significance of the study
- Review of related literature
- Definition of terms
- Prerequisite Assumptions
- Proposed method/Algorithm/Procedures
- Proof of correctness (optional)
- Experimental Results/Performance/Analysis (Static/Dynamic)
- Conclusion and Future scope
- Bibliography

Rubrics for Project Evaluation

Rubric #R1: **Project Synopsis/ Proposal Evaluation – 5 MARKS**

- Identification of Problem Domain and Detailed Analysis
- Study of the Detailed and extensive explanation of the specifications and the limitations of the existing systems.
- All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified.

Rubric #R2: **First Defense (Project Evaluation) - 15 MARKS**

- Design Methodology – Division of problem into modules and selection of computing framework, appropriate design methodology and properly justification.
- Planning of Project Work and Team Structure
- Demonstration and Presentation

Rubric #R3: **Second Defense (End Semester Internal Project Evaluation) – 20 MARKS**

- Incorporation of Suggestions - Changes are made as per modifications suggested during First Defense.
- Project Demonstration - All defined objectives are achieved. Each module working well and properly demonstrated. All modules of project are well integrated and system working is accurate.

Process to assess individual and team performance

- Project progress seminars are conducted twice in each semester by the Faculty panel.
- The project seminar should be given by all the project team members according to the division of project.
- Each student in the project team is assessed to their skill set to deliver the seminar, explain the concept and way to make project assess team to understand their work.
- Each individual and team performance is purely based on this project seminar presentation and the viva voice and progress work they show to their guide.

Quality of completed projects/working prototypes

- Final project demo for the working prototype and the report are evaluated by faculty panel.
- The projects are evaluated and are awarded internal assessment marks for maximum 40 and are graded according to the project contribution towards attainment of PO's and department PSO's.

Tentative Project Evaluation Semester Schedule

Last date for Group Formation and Topic Submission: 16th January, 2019

Last date for Synopsis Submission with guide signature: 25th January, 2019

Date of 1st Defense: 9th February, 2019

Date for Poster Submission: 15th March, 2019

Date of 2nd Defense & Research Paper Submission: 2nd week of April, 2019

Date of Final Report Submission: 26th April, 2019

Mrs. Rekha Singla   **Mr. MoolChand Sharma**

(Major Project Coordinator)

Dr. Namita Gupta

(HoD CSE)