



## TAMIL NADU OPEN UNIVERSITY, Chennai-600 015 SCHOOL OF COMPUTER SCIENCE

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### GUIDELINES FOR PROJECT WORK MCA-26/MSC-P4

Students can register for the Project work with Course Code MCA-26/MSC-P4 in the final Year and for registration purposes the Project work is treated as one Course, carrying a weight of 8 credits.

#### OBJECTIVES

The objective of the Project Course is to help the students to study, analyze and design software or utility for research problems focused in the recent journals or application of such software related to problems in the area of computer science. The development of algorithms and derivation with respect to theoretical computer science in relevance to performance comparison, which will improve the skills of software development of the students, will be another objective of the Project course.

#### PROJECT PROPOSAL

Synopsis of the project should be prepared in consultation with the guide and sent to The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015. The synopsis should clearly state the objectives and category of software to be used and it should have full details of the Project, limitations if any for the project etc.

#### PROJECT GUIDES

1. Faculty at the School of Computer Science, TNOU, Chennai.
2. Faculty employed in Colleges / Institutions in the Department of Computer Science affiliated to any Indian University and having minimum five years of teaching experience.
3. Academic counselors of TNOU are also eligible to guide the students for projects. In such cases, the qualifications of the counselor, the name of the courses handled by him, years of experience in counselling along with the name and CPC Number should be clearly mentioned.
4. To facilitate students, a list of Guides with their addresses is enclosed in Annexure-V and Coordinator of the CPC's are instructed to help the students in contacting the guides in the list for their consent to guide the students in their project work.
5. A Supervisor cannot guide more than five students irrespective of academic/calendar year admissions.

Students are advised to send project synopsis along with complete and duly signed copy of a resume of the guide to The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015.

#### PROJECT PROPOSAL SUBMISSION AND APPROVAL

After finalizing the topic and the selection of the guide, the student should send the Project Proposal Proforma (Annexure –I) along with a copy of the synopsis and Bio-data of the guide (Annexure – II) to The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015. for approval. The proposal incomplete in any respect will summarily be rejected and students are advised to retain a copy of the synopsis and specifically proposals not accompanying a complete and signed Bio-Data of guide will not be considered for approval. The Project Proposal should be submitted for the students who complete the course by the academic year/calendar year respectively.

## **COMMUNICATION OF APPROVAL**

A written communication regarding the approval / non-approval of the project proposal will be sent to the student normally within a week of the receipt of the proposal by the school and as the students are expected to start the project work immediately on approval, it is informed that the communication of approval will be closed for the students who complete the course by the academic year/calendar year.

## **RESUBMISSION OF PROJECT PROPOSAL**

In case of non-approval of the proposal the comments / suggestions for reformulating the project will be communicated to you. In such cases the revised project synopsis should be submitted with a new project proposal proforma and a copy of the rejected synopsis and an earlier project proposal proforma bearing the comments of the evaluator and Project Proposal Number allotted by the School of Computer Science.

## **PROJECT REPORT**

### **Formulation**

- a. The Project Report should not exceed 100 pages typed in Times New Roman font of 12" size with 1.5 line spacing on a single side.
- b. The table of symbols, table of charts, table of diagrams with table of contents may be furnished at the beginning of the report separately.
- c. An abstract of source code may be given in an Appendix at the end of the report, which should not exceed ten pages.
- d. The output of each module of the software may be given in a separate Appendix.
- e. It is desirable to include the derivational part of algorithms implemented in the software
- f. The system flowchart / program flowchart explaining the flow of the module may be given in a separate Appendix.
- g. The data flow diagrams, E-R diagrams, decision tables if at all required in the modules depending upon the choice of the project will lead to evaluation of Projects easily, hence recommended.
- h. The front cover page must be uniform and adhere to the Annexure – III with respective title of the project and other relevant particulars.
- i. The Project Report should also contain the following:
  - i. Copy of the approved Project Proforma.
  - ii. Certificates of originality of the work duly signed by the student and the guide given in Annexure – IV must be enclosed.

## **SUBMISSION OF PROJECT REPORT**

One typed copy of the project report is to be submitted to The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015. along with a fee, which would be intimated later. For Academic Year students who submit their Project Reports before June 30<sup>th</sup>, the results will be declared along with the June term-end examinations and for Calendar year students who submit their Project Report before December 31<sup>st</sup>, the results will be declared along with the December term-end examinations. The students are requested to fill in and collect an acknowledgement from The Coordinator, Projects-MCA/MSC, School of Computer Science.

## **VIVA-VOCE**

The student may be asked to appear for a Viva-Voce and he/she should be able to defend his explanation with the help of soft copy of the software ready to be executed in a computer system along with other system tools

available. In such cases she / he will be duly intimated about the exact date and venue of the viva-voce examination.

### **MARKS FOR PROJECT**

The project course code MCA-26/MSC-P4 will be evaluated for two hundred marks, of which 150 marks are meant for the evaluation of the projects and 50 marks are allotted for attending viva-voce examination. The passing minimum in the project work will be 50% of the total mark. i.e. the student should get minimum 75 marks out of 150 marks in the project evaluation and 25 marks out of 50 marks in the viva-voce examination. Thus, the minimum mark the student is required to obtain is 100 out of 200 marks.

### **FEES**

The final year MCA/MSC students are required to pay a Project Evaluation fee of Rs 500/- along with third year theory examination fees to the University towards evaluation of project and for attending Viva-voce examination. The centres for viva-voce examination will be decided by the controller of examination depending upon the strength of the students.

### **REMUNERATION**

The Computer Programme Centres collecting their share of fees due to them paid by the students of final year MCA/MSC programme have to pay the remuneration to guides for guiding the students belonging to their respective CPC. In this case, a guide may be allotted a maximum of five students and an honorarium of Rs 500/- per student must be paid by the respective Computer Programme Centres to the concerned guide.

### **COMPUTER FACILITY AND GUIDANCE**

It is to be noted that every MCA/MSC final year student must be provided with a single computer system with the required software loaded for the execution part of the project as well as in the preparation of the report by using MS-Office utility by the respective computer programme centres. Also, periodical visits of the guides to the centres apart from their counselling with the students in their work place in assisting the students in their project work must be encouraged. In this regard, the coordinators are advised to take much attention to facilitate the guides in their execution of duties in the concerned centres. Hence, the coordinators are instructed to provide the computer systems with required software and enough internet access facility to carryout the project of the students.

### **ENQUIRIES**

Enquiries regarding the project approval should be addressed to The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015. and regarding submission of Project Reports, it should be addressed to: The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015.

### **SOME IMPORTANT NOTES WHILE PREPARING THE PROJECT PROPOSAL**

1. Send only one copy of the Project Proposal, and retain a copy with you.
2. MCA-26/MSC-P4 should be written prominently on the envelope and should be addressed to The Coordinator, Projects-MCA/MSC, School of Computer Science, TNOU, 577, Anna Salai, Saidapet, Chennai-600 015.
3. Enclose the following while submitting the Proposal:
  - a. Proforma for Approval of Project Proposal duly filled and signed by both, the student and the guide.
  - b. Bio-data of the guide duly signed by her / him
  - c. Synopsis of the Project.

### **IMPORTANT INSTRUCTIONS**

1. The final project Work should be submitted in original in A4 Size (29x20cm) in a bound volume to the "Controller of Examinations" of the University by the registered insured post.
2. The student is advised to ensure that the report contains the following:
  - a. Copy of the approved project Proposal Proforma
  - b. Certificate of originality duly signed by the Student and the Guide (Proforma enclosed)
  - c. If any Project Report is received in the absence of the above enclosures, the same will be returned to the students for compliance.
  - d. Mention on the top of the envelop "Project Report –MCA 26/MSC-P4".
  - e. Students should keep a copy of the Project Report and the Report submitted to the University will not be returned to them.