INSTITUTE OF DISTANCE AND OPEN LEARNING

T.Y.M.C.A. students must submit their synopsis on or before May 5, 2016 to idol.mca.coordinator@gmail.com

The synopsis must have the following:
1. What is the problem faced that motivated the researcher to take up this project (5 lines)
2. Market survey / literature survey about the kind of solutions that are exist (1 page)
3. How the proposed solution will be different than the available solutions (also, mention the similarity) (1/2 page)
4. Hardware and Software configuration to be used at the developer's side and that is expected at the user side (1/2 page)
5. What are the alternative choices of the hardware-software and why your choice (1/2 page); with the cost estimations

Along with the synopsis the following two things must be submitted:
1. Who is going to use this product?
2. Approval letter from the sponsor with the details of the supervisor

Time-line for the completion of the projects
Problem definition and requirement analysis to be completed by May 5, 2016;
Design document by May 15, 2016;
Coding and unit testing completed by May 22, 2016;
Integrated testing and testing with the real data to be completed by June 1,2016;
Documentation and submission latest by June 7, 2016.

Time-line needs to be followed by all students.
Time and date for Review Session (if any) will be informed to the students through SMS.

All students who did not turn up during the first review session also need to follow the same as mentioned above.

Also find the certificate format (IDOL and company) as required and general guidelines for project in the attachment.

I/C Director
IDOL

[In Company's letter head]

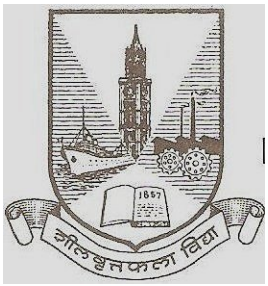
Certificate

This is to certify that the project entitled _____

Undertaken at the (Company Name) by **Ms./Mr. _____,** Seat no. _____ in partial fulfillment of M.C.A (Semester. VI) Examination has been completed under my supervision in the year 2014-2015.

Date: _____

Signature
Authorised Signatory



INSTITUTE OF DISTANCE AND OPEN LEARNING

UNIVERSITY OF MUMBAI, IDE BUILDING,
VIDYANAGARI, MUMBAI-98

PROJECT CERTIFICATE

This is to certify that the Project titled _____by Mr./Ms. _____ Seat No _____ in partial fulfillment for M.C.A Degree Examination in Semester VI for the academic year 2014-2015 has been found satisfactory. This report had not been submitted for any other examination and does not form part of any other course undergone by the candidate.

Signature Faculty in Charge Guided By	Signature External Examiner Examined By	Signature Coordinator – M.C.A (IDOL) Certified By

INTRODUCTION

Project gives the platform to the student to apply their knowledge and skills to give the optimum solution to the real life problems. So the academic projects for the students of post-graduation should maintain the level of their technical and theoretical knowledge by implementing their concepts, keeping the research and development approach to enhance their skills and attitude. So conducting the project is very essential for both the institute faculty and students to give them the track to run in the field of research and technology.

OBJECTIVES

To direct the students towards research and development and make them to apply their integrated experience in solving a real life problem by applying knowledge and skills gained on completion of theory papers in a course. Also to motivate them to work in industrial working environment .

It provides an occasion for students to realize the importance of resource and time management, ownership of task towards deliverables, innovation and efficiency in task management.

It also provides a good opportunity for students to build, enhance and sustain high levels of professional conduct and performance and evolves a problem solver frame of mind in student.

General Guidelines for the Students

1. The Project should be original, of real life value, and not copied from existing material from any source and a certificate to this effect will be provided with the Project, duly countersigned by the guide and the HOD of the Department. A student must obtain minimum qualifying marks in project evaluation and viva-voce.The project should preferably lead to some research publication. This type of work should be given more weight-age.

2.A student who is planning to do a project should consult carefully in advance with his project supervisor/guide. It is not possible for the industry/other organization to allocate a complete development project to a student.

3. Designed document should also be reviewed and code should be peer reviewed. A user manual has to be prepared and reviewed. Testing has to be thorough and at various levels, followed by an acceptance test based on the requirement document and user manual.

4.Student should take the responsibility to make sure of what is expected and deliver it after ensuring that it meets the expectations.

5.Often some students are asked to build an application using a software package. In this case naturally, programming will be minimal. But the student can and should follow all other steps of Software development Life Cycle.

6. Industry would appreciate if a student uses Software Engineering methodology, even though they may not be able to guide adequately the Software Process. Interviewers for job are often more interested in the problem solved, alternatives that could have been tried and the benefits derived from that application, rather than the implementation details. Hence, a student must put in effort to find answers to questions about the application, which will also enhance the value of the project report.

7.The results of the project may not be proprietary to any company or organization and the results may be freely disseminated. This includes, but is not limited to, the final report, oral presentation, and any noncommercial software developed while completing the project. Any exceptions to this rule must be stated in writing and included with the project proposal when formal acceptance is sought.

8.The Project is to be selected by the student reflecting knowledge gained by him during the course of study. The subject selected by the student needs formal approval of a faculty / Guide.

9.Identifying a project title is an important task for each student. Based on the knowledge and skills gained, a student develops a certain amount of interest and skills in specific areas as also he may develop a certain linkage with industry and other employers, which creates an interest in his mind for undertaking a student project.

10.He should not only consult the supervisor/guide but should have wider discussions with his fellow students, teachers and managers in the concerned recognized institute.

11.Students should be encouraged to use the programming languages instead some easy ready-made software applications/packages.

Guidelines for Project Submission

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Time for submission of the (Final) Project Synopsis

SYNOPSIS

Synopsis, preferably, should be of about 3-4 pages. The content should be as brief as is sufficient enough to explain the objective and implementation of the project that the candidate is going to take up.

The write up must adhere to the guidelines and should include the following (not necessarily in the order as given below):

- **Name / Title of the Project.**
- **Statement about the Problem.**
- **Why is the particular topic chosen?**
- **Objective and scope of the Project.**
- **Methodology (including a summary of the project).**
- **Hardware & Software to be used**
- **Testing Technologies used.**
- **What contribution would the project make?**
- **Conclusion**
- **Limitations if any**
- **Bibliography/references**

TOPIC OF THE PROJECT- this should be explicitly mentioned at the beginning of the Synopsis. Since the topic itself gives a peep into the project to be taken up, candidate is advised to be prudent on naming the project. This being the overall impression on the future work, the topic should corroborate the work.

OBJECTIVE AND SCOPE: This should give a clear picture of the project. Objective should be clearly specified. What the project ends up to and in what way this is going to help the end user has to be mentioned.

PROCESS DISCRIPTION: The process of the whole software system proposed, to be developed, should be mentioned in brief. This may be supported by DFDs / Flowcharts to explain the flow of the information.

RESOURCES AND LIMITATIONS: The requirement of the resources for designing and developing the proposed system must be given. The resources might be in form of the hardware/software or the data from the industry. The limitation of the proposed system in respect of a larger and comprehensive system must be given.

CONCLUSION: The write-up must end with the concluding remarks-briefly describing innovation in the approach for implementing the Project, main achievements and also any other important feature that makes the system stand out from the rest.

Some important notes while preparing the Documentation for the project

The following suggested guidelines might be followed in preparing the Final project Report:
Good quality white executive bond paper A4 size should be used for typing and duplication. Care should be taken to avoid smudging while duplicating the copies.
Page Specification :(Written paper and source code)
Left margin - 3.0 cms
Right margin- 3.0 cms
Top margin 2.7 cms
Bottom margin 2.7 cms
Page numbers - All text pages as well as Program source code listing should be numbered at the bottom center of the pages.

Submission of Project Report:
The student will submit his/her project report in the prescribed format. The Project Report should include:
- Original copy of the approved Synopsis.
¨ Two hard Copies of the Project Report
¨ The Project Report may be about 100 pages (excluding coding).

FORMAT OF THE STUDENT PROJECT REPORT
ON
COMPLETION OF THE PROJECT

1. Cover Page as per format
2. Certificate of the project guide.
3. Certificate of the Company/Organisation (for live projects)
4. Acknowledgement.
5. Synopsis of the Project.
6. Main Report (index)

- Objective & Scope of the Project.
- Theoretical Background.
- Definition of Problem.
- System Analysis & Design vis-a-vis User Requirements.
- System Planning (PERT Chart).
- Methodology adopted, System Implementation & Details of Hardware & Software used.
- System Maintenance & Evaluation.
- Cost and benefit Analysis.
- Detailed Life Cycle of the Project
  - ERD, DFD
  - Input and Output Screen Design
  - Process involved
  - Methodology used for testing:
  - Test Report, Printout of the Reports, Printout of the Code Sheet
  - User/Operational Manual - including security aspects, access rights, back up, controls, etc.

Annexure

1. **Brief background of the organisation where the student has developed the project.**
2. **Data Dictionary**
   This should give a catalogue of the data elements used in the system / sub system developed.
   The following are the details required. Write NA if NOT applicable:
   Data Name
   Aliases, if any
   Length (Size)
   Type, Numeric, Alpha, Binary etc.
3. List of abbreviations, Figures, Tables
4. Reference
   -Bibliography
   - Websites used
5. Soft copy of the project on CD/Floppy

PROFORMA OF COVER PAGE OF THE PROJECT REPORT

TITLE OF THE PROJECT

SUBMITTED BY

[Student Name]

[Seat No.]

DATE OF SUBMISSION

[If a revised proposal is submitted, the date should be changed accordingly]

Under the guidance of [Guide's Name]

Submitted in partial fulfillment of the requirements for qualifying M.C.A Semester VI Examination

INSTITUTE OF DISTANCE AND OPEN LEARNING
UNIVERSITY OF MUMBAI
DR. SHANKAR DAYAL SHRAMA BHAVAN,
VIDYANAGARI, SANTACRUZ(E), MUMBAI-98

[Note: the proforma is in italics. Don’t print that. It just tells that the format. In the format whichever are in bold , those terms have to be printed as it is. Whereas which are in normal, you need to substitute with actual value.]