

The Principal
BPIBS,
Shakarpur,
Delhi-92

UNDERTAKING- MCA DISSERTATION

I _____ Roll No. _____ may kindly
be sponsored to _____ for
Practical Training- Software/ Project Preparation.

I here by undertake that:

1. I will abide by rules of the organization and observe total discipline as per their conditions.
2. I will follow all the rules, regulations and ordinances of the GGS Indraprastha University, Delhi.
3. I will prepare and submit the duly completed Software/Project in the institute along with requisite reports well in time.
4. I will arrange to remain present in the institute for presentation discussion and viva as per schedule of internal/ external examination.

Yours faithfully

Date:

Signature (_____)

Name: _____

Complete Address: _____

Tele. No.: _____

GOVERNMENT OF NCT OF DELHI
BHAI PARMANAND INSTITUTE OF BUSINESS STUDIES
Opp. Madhuban Colony: Shakarpur Extn. Delhi-110092
Email: bpibs.delhi@nic.in Phone: 22543891, 22017393 Fax: 22016134

No.F.BPIBS/MCA-PROJECT/

Dated:

MEMORANDUM

**SUBJECT: PAPER CODE- MCA: 302- DISSERTATION
SOFTWARE & PROJECT DEVELOPMENT
AND SUBMISSION THERE OF.**

Reference GGSIP University Curriculum for MCA VIth Semester,
Mr./Ms._____ Roll No._____ is hereby
required to prepare and submit the SYNOPSIS of proposed Software/ Project to be
developed by him/her for approval.

The guidelines, conditions and schedule of GGSIP University need be followed
strictly in order to complete and submit the DISSERTATION for examination and
evaluation. (Complete set enclosed).

He/She is hereby required to report / meet the Project Guide immediately latest by

Positively, to apprise about the progress of Project work.

Incharge MCA

Mr./Ms._____

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The students will submit a synopsis at the beginning of the semester for approval from committee in a special format. The students will have to present the work through seminars and progress reports.

MCA-VI SEM CURRICULUM
GGs INDRAPRASTHA UNIVERSITY

PROJECT GUIDELINES FOR MCA

1. One full semester is dedicated for the dissertation for MCA students
2. Individual project to be taken independently by MCA students.
3. The students may form groups of 2-3 persons and work on a common project in a coordinated manner as a term.
4. One faculty member should be associated with each project as a project Guide for mid-term evaluation & guidance monitoring throughout the semester.
5. The students can select topics of their own interest in any area related to IT with the help of their guide.
6. The students are required to submit a brief outline of the plan of action, schedules synopsis, technology & tools required for their project(after doing literature survey) duly approved by their Project Guides, to the Project Coordinator of the Institute.

PROJECT PROFILE

Topic for the project can be

Any Subsystem of a system software or tool

Any Scientific or a fairly complex algorithmic situation.

A typical business application

Application related to e-Commerce.

Computer Networking

Protocol Implementation, etc.

The aim is to highlight the abilities of algorithmic formulation, program and data flow representation, modular programming, optimized code preparation, systematic documentation and other associated aspects of software engineering. The assessment would be through the project report, which should portray:

- a) Programming style, structured design, minimum coupling and high cohesion.
No procedure should, however, be longer than 59 to 60 lines.

- b) Good commenting and monitoring of the code and flow of representation, such that meaningful code, with good readability and ease of maintenance results.
- c) Design specifications, depicting the method adopted and giving a simple data dictionary, for each data to cover name, type and validity aspects.
- d) Test case samples, enough in number, to adequately cover the possible chances of common errors.
- e) User manual in its full entity.

The aim of this project is to boost interest of student in addressing problems related to networking/ data communication/ database development, web development of address/ implement some specific research & development type of problems/ algorithms.

The topic should be related to the above area depending on the interest of the student because the interest/ caliber of the student play a vital role and hence the problem needs to be selected on the initiative of the student in consultation with their Guides.

The project could be implemented using C, C++, Java, FoxPro or a specialized package depending on the problem. The program code should contain at least 300 lines. If the project is related to hardware development the stress should be on design aspects/ improvement of existing design.

The project document must contain the detailed justification on the need for selecting the problem, its importance, its advantage/ limitations and comparison with related work.

Industry would appreciate very much if a student uses the S/W Engineering methodology. Interviewer for job are often more interested in the problem solving, alternative that could have been tried, and the benefits derived from that application, rather than the implantation details. Hence a student must put in effort to find answers to questions about the application, which will so enhance the value of the project report.

ASSESSMENT ON PROJCT

The assessment of the project would be through the project report, which should portray:

PROFORMA FOR CERTIFICATE FOR PROJECT

This is to certify that is a bonafied record of the project work done satisfactorily at (Name of the Institute) _____
by Mr./ Ms. _____
Registration No. _____ in practical fulfillment of MCA 6th Semester Examination.

This report or a similar report on the topic has not been submitted for any other examination and does not form part of any other course undergone by the candidate.

PLACE:
DATE:

SIGNATURE(_____)
(Candidate)
NAME: _____
ROLL NO. _____

PLACE:
DATE:

SIGNATURE(_____)
(Project Guide)
NAME: _____
DESIGNATION: _____
ADDRESS: _____

Name & Seal of the Institution

It is preferable if the Computer Science/ IT department to which the student belongs is actively interested in the Project. Hence, it is desirable to have these reviews:

- I. After requirements document is ready and student presents it to Project Coordinator for giving suggestions to enhance the value of the work.
- II. Mid term to ensure that progress is satisfactory.
- III. The project viva-voce to which Industry Guide/ External Supervisor should preferably be invited. Viva-voce of the project will be a part of assessment and due weight age is to be given by Examination Authority.
- IV. Students will defend their work by way of presentation followed by viva-voce before the External Examiners.

PROJECT REPORT FORMAT

Chapter 1: INTRODUCTION

- Objective of the system
- Justification & need for the system
- Advantages of the system
- Previous work or related systems, how they are used

Chapter 2: DESIGN OF THE SYSTEM

- Hardware, Software requirements
- System requirements
- System specification
- Block diagram of the system
- DFDs/ Algorithm/ Flow Charts etc. along with explanations/ descriptions

Chapter 3: IMPLEMENTATION & CODING

Chapter 4: TESTING & TEST RESULTS

Sample test data/ output screen printouts etc. need to be presented with description.

Chapter 5: RESULTS & CONCLUSION

Appendix:

- A. Program listings
- B. Details about specialized packages(if any)
- C. Details of hardware products/ chip specifications(if any)
- D. Any other background material
- E. References and Bibliography

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MCA: 302 DISSERTATION

MCA- VI SEMESTER

JANUARY-APRIL

**MONTH WISE EIGHT FORTNIGHTLY SCHEDULE OF WORKING FOR
SOFTWARE/ PROJECT DEVELOPMENT**

<u>MONTH</u>	<u>1st FORTNIGHT</u>	<u>2nd FORTNIGHT</u>
I	SUBMISSION OF SYNOPSIS(Brief outline of proposed Software/ Project to be developed in respect of live project of organization/ Industry/ IT Department)	APPROVAL FOR THE PROJECT WORK(as proposed/ modified/ updated to enhance the value of work by the Project Guide)
II	COLLECTION OF DATA & LITERATURE SURVEY(through Technocrats, Experts, Industry, Labs and Libraries)	STEPWISAE/ PARA WISE PLAN: SUBMISSION OF PROJECT WORK(evaluation of Initial/ 1 st term program of Project Work)
III	DESIGNING OF SYSTEM(detailing the technology & tools related to project/software)	SUBMISSION OF DRAFT OF PROJECT(project/ software Mid-term evaluation)
IV	TESTING & COMPLITION OF SOFTWARE/ FINALISATION OF PROJECT REPORT(to conduct test and drawing test result, detailing the descriptions specification, references & bibliography)	FINALISATION OF SOFTWARE/ PROJECT AND SUBMISSION OF DISSERTATION(to conduct/ compile/ survey & summary of software/ project and presentation before the group/ experts through Demonstration and Seminars etc.)
V	<u>END TERM EVALUATION & EXAMINATION BY GGSIP UNIVRSITY</u>	

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MCA-VI SEMESTER
PERFORMA OF EIGHT FORTNIGHTLY PROGRESS REPORT FOR
SOFTWARE/ PROJECT DEVELOPMENT

1. Dissertation Period : JANUARY to APRIL 200
2. Progress Report No. : _____ to _____
3. Fortnight dates from : _____
4. Name of Student : _____
5. Father's Name : _____
6. University Roll. No. : _____
7. Examination Roll No. : _____
8. Title of Software/ Project : _____
9. Project Development Center : _____
10. Name of Project Guide : _____
11. External(Expert Industry) Guide: _____
12. Details of work done during this
period: _____

Signature(_____)
Name of Student: _____

Address: _____

- Date: _____
13. Comments and
recommendations: _____

Signature()
Name of Project Guide:_____

Address: _____

Date: