Name of candidate

Title of Project

Year of submission

Title of the Project

DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

Master

of

Computer Science and Applications

By
Name of candidate

DEPARTMENT OF COMPUTER SCIENCE
ALIGARH MUSLIM UNIVERSITY
ALIGARH (INDIA)

Year of submission

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DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE OF

Master of Science

In

Cyber Security & Digital Forensics

By
Name of candidate

DEPARTMENT OF COMPUTER SCIENCE
ALIGARH MUSLIM UNIVERSITY
ALIGARH (INDIA)

Year of submission

GUIDELINES
FOR
MCA / M.Sc. (Cyber Security & Digital Forensics) - IV SEMESTER
DISSERTATION PROJECTS

DEPARTMENT OF COMPUTER SCIENCE
A.M.U., ALIGARH

The student of MCA IV semester / M.Sc. (Cyber Security & Digital Forensics) IV semester are required to submit their dissertation/project work for final viva-voce examination in the standard format, which is available in the office. In this connection, the following points must be noted:

1. A stripe on the side must be added containing the title & Author for easy reference (sample available in the office).

2. The write- up is to be organized in the order specified and has to be broken into chapters as the break up enclosed).

3. Dissertation/Project write- up and contents must be neatly typed in 1.5 line spaced format, on A-4 bond papers.
   Left Margin- before binding 1.2''
   Right Margin .8''
   Top Margin .8''
   Bottom Margin .8''

4. Page number has to be printed at the bottom in the centre

5. The student should produce 3 or 4 copies of their dissertation/project work as follows:
   One copy for external supervisor (if required)
   One copy for internal supervisor
   One copy for the library (Original)
   One copy for the student (Personal)

6. Original copy has to be submitted to the dissertation/project coordinator which will finally be submitted in the Seminar library of the Department after the viva.

7. The student must not bind the dissertation/project documentation, before being approved by the **"Screening Committee".** First of all, a predefence will be conducted, for which the student must bring the complete write-up, neatly typed, programme listings, C.D. containing the programme and result, and a certificate from his/her supervisor, certifying completion of this dissertation/project work, if the work carried out outside AMU, Aligarh.

8. After the predefence, the students has to incorporate the suggestions made by the committee, to be ensured by the supervisor concerned, and only after the approval of the supervisor, he/she should get the manuscript bound.

9. At the time for applying final viva-voce, the student should produce certificate from the internal/external supervisor as per the enclosed proforma, and the clearance in the prescribed format, and submit one copy of the program floppy if possible preferably, along with the bound copies of the manuscript. .
   If the student needs any other information, he/ she can contact the dissertation/Project Coordinator.

10. Order of page/Matter must be a follows:

1. Title page (in the standard format)
2. Certificate(S) from supervisor (S)
3. Acknowledgement
4. Contents
5. Abstract (of about a page)
6. Chapter 1, 2, 3…….
7. Reference
8. Appendix

11. The page from "CERTIFICATE" to the "ABSTRACT" must be numbered in roman numerals (i, ii, iii……. etc.). And chapter must be numbered as 1, 2, 3 .....etc.

12. Font type should be "Times New Roman"
    Font size should be as follows

Heading	16
Sub heading	14
Matter	12

(Format for Software/Web Development Project)

CONTENTS

	Pages
Certification ……	(i)
Acknowledgement ……..	(ii)
Abstract ……...	(iii)
Chapter 1: **INTRODUCTION**	
(Few introductory lines about Computers applications & importance)	1
Literature Survey-**a)** previous related work in chronological order	,,
b) Company profile also	,,
Present state of art and its shortcoming (Subject)	,,
Realization of the problems	,,
Introduction of problem or work to be taken up	,,
Broad outline of the work (chapter wise)	,,
Chapter 2: **PROBLEM FORMULATION**	
Problem definition detailed description	,,
Various aspects of the problem	,,
Present System critical view	,,
Scientific novelty and need of the work	,,
Proposed system/method of solution	,,
*Chapter 3: **SYSTEM ANALYSIS AND DESIGN**	
Requirement specification	,,
Information collection-interview etc.	,,
Analysis and development of actual solution (system)	,,
Description of various Modules	,,
System development tools	,,
Choice of language	,,
Choice of system for implementation	,,
Chapter 4: **SYSTEM IMPLEMENTATION**	
Hardware requirement	,,
Software requirement	,,
Input requirement	,,
Operation Manual	,,
Output reports to be obtained etc.	,,
*Chapter 5: **RESULT AND DISCUSSION**	
Interpretation of results	,,
Application areas and scope of the work	,,
5.3 ……..	,,

*Chapter 6: **CONCLUSION**

Advantages and special features of the system ,,
Limitations ,,
Future extension ,,

Cont……

References/Bibliography

Appendix

A1: Flow chart

A2: DFD/System flow Diagram etc.

A3: Program listing-codes
A4: Input (Test) data/screen
A5: Sample output/ Reports/Screens

*Chapter 3 may be broken into two chapter (3 & 4), if desired.

*Similarly chapter 5 & 6 may be combined into one chapter, if desired.

(Format for Research Project)

CONTENTS

	Pages
Certification ……	(i)
Acknowledgement ……..	(ii)
Abstract ……...	(iii)
Chapter 1: **INTRODUCTION**	
Background of problem	,,
Problem definition	,,
Present state of the art and its shortcoming	,,
Brief proposal description	,,
Major contribution	,,
Organization of research work	,,
Chapter 2: **LITERATURE REVIEW/RELATED WORK**	
Method adopted for identifying related survey/review works	,,
Summarization of related work	,,
Identified research gaps	,,
Scientific novelty and need of the work	,,
Proposed system/method of solution	,,
Chapter 3: **REVIEW/CONTRIBUTIONS**	

Review/Survey Paper	**OR** **Contributory Paper**
3. Tools/Techniques/Methods/Domains reviewed Process of identifying domain specific works Critical analysis and description of methods identified in section 3.1 Summary	3. Proposed Method Techniques used Steps of method Proposed method/framework Implementation

Chapter 4: **RESULTS AND COMPARISONS**	,,
Chapter 5: **CONCLUSION**	,,
Chapter 6: **FUTURE DIRECTIONS**	,,
References/Bibliography	
Appendix (if any)	

NOTE: A student in consultation with his/her supervisor will decide his/her contributions in the form of Review/Survey paper or Contributory paper and hence Chapter-3 will be written accordingly.

CERTIFICATE

This is to certify that the dissertation/project work entitled "....." being submitted by Mr. / Ms. ……in partial fulfillment of the requirements for the award of the degree of Master in Computer Science and Application/Post B.Sc. Diploma in Computer and Application, Aligarh Muslim University, Aligarh, is a record of the student's own work, carried out under my/our supervision and guidance.

It is further certified that the student has worked on the …….system, at (Organization) for completion of this work from……. (date)..... to …….. (date).

Signature
(of the supervisor)
(in case of more than one)

Signature
of the supervisor

Note: Clearance is also required from the organization where work was done.