

MSEP-028/MSEP-038

**MASTER OF SCIENCE/P.G. DIPLOMA
(INFORMATION SECURITY)
(MSCIS/PGDIS)
(Project-I &II)**

**MSEP-028/MSEP-038
PROJECT GUIDELINES**

**SCHOOL OF VOCATIONAL EDUCATION AND TRAINING
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

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MESSAGE FROM THE PROGRAMME CO-ORDINATORS

The Master of Science/P.G. Diploma (Information Security) (MSCIS/PGDIS) programme prepares the students to take up positions as Information Security officers, Data recovery analysts, Cyber crime Inspectors, Security Managers in any field related to information technology. We had therefore imparted you the comprehensive knowledge covering the skills and core areas of Information Security with equal emphasis on the theory and practice. **The MSCIS/PGDIS students are encouraged to spend at least four to six months working on a project preferably in the area of Information security, for e.g. Wikileaks, Case study on cyber crimes in India, Application of electronic signatures, Security issues in E-governance etc (2nd Semester, Project-1, MSEP-028). For project -2 (MSEP-038), 4th Semester, you have to submit project in the area of cyber attack, cloud server implementation and security, IT Audit and Penetration Testing, Big data security, web application audit, mobile apps audit, malware detection mitigation and device auditing.** The courses studied and the project provides you the comprehensive background to work on diverse application domains.

Approval of the project proposal is mandatory to continue and submit the project work.

The theoretical background of various courses provides you the necessary foundation, principles, and practices to develop effective ways to provide information security in virtual platform. The hands on experience gained from the practical courses provide you the knowledge to work with various security issues involved with the digital era.

The objective of the MSCIS/PGDIS project work is to develop quality solution for providing information security. The primary emphasis of the project work is to understand and gain the knowledge of the principles of Information Security practices, so as to participate and manage a large IT projects in future.

Students should take this project work very seriously. The project should be genuine and original in nature and should not be copied from anywhere else. If found copied, the project report will be forwarded to the Exam Discipline Committee of the University as an Unfair means case for necessary action. In case of project resubmission please confirm the fees and other details with the Regional Centre / Study Centre / website. Students should strictly follow and adhere to the MSEP-028 project guidelines.

I wish you all the success.

MSCIS/PGDIS Programme Coordinators

I CALENDAR FOR THE MSCIS/PGDIS PROJECT

<i>Sl.No.</i>	<i>Topic</i>	<i>Date</i>
1.	Submission of project proposal at the following address: Concerned Study Centre	Twice a year as shown below: 1st January to 15th March 1st July to 15th September
2.	Approval of Project Proposal Contact Concerned Study Centre	15 days after the project proposal is received.
3.	Submission of the Project Report (One copy) in bound form to: Concerned Study centre The soft copy of the Project Report to be uploaded on the link provided on IGNOU's website.	Twice a year as shown below: 1st April to 30th June (For Project Proposals that have been approved during the 1st January to 15th March slot) 1st October to 31st December (For Project Proposals that have been approved during 1st July to 15th September slot)
4.	Viva-Voce to be conducted Contact Concerned Regional Centre/Study centre	In July (For project reports submitted during 1st April to 30th June slot) In January (For project reports submitted during 1st October to 31st December slot)



II.PROFORMA FOR THE APPROVAL OF MSCIS/PGDIS PROJECT PROPOSAL

(Note: All entries of the proforma of approval should be filled up with appropriate and complete information. Incomplete proforma of approval in any respect will be summarily rejected.)

Project Proposal No :.....
(for office use only)

Course Code:.....
Enrolment No.:
Study Centre:
Regional Centre:..... RC Code:.....
E-mail:
Mobile/Tel No.:

1. Name and Address of the Student

2. Title of the Project

Signature of the Student
Date:

For Office Use Only

Approved

Not Approved

Signature, Designation, Stamp of
the Project Proposal Evaluator
Date:

Suggestions for reformulating the Project:

Ensure that you include the following while submitting the Project Proposal:

1. **Proforma for Approval of Project Proposal duly filled and signed by the student with date.**
2. **Project proposal (12-15 pages).**

Note:

- i. *Violation of the project guidelines will lead to the rejection of the project at any stage.*

A photocopy of the complete Project Proposal (along with Project Proforma, Project Proposal) submitted, should be retained by the student for future reference.

III INTRODUCTION AND OBJECTIVES

The Project work constitutes a major component in most professional programmes. It needs to be carried out with due care, and should be executed with seriousness by the students. The project work is not only a partial fulfilment of the MSCIS/PGDIS requirements, but also provides a mechanism to demonstrate your skills, abilities and specialisation.

Students are eligible to submit the project proposals after entering into the 2nd semester for project-I (MSEP-028) and 4th for project-II (MSEP-38) as per the calendar of the project.

OBJECTIVES

- **The objectives of the project is to help the student develop the ability to apply theoretical and practical tools/techniques to solve real life problems related to industry and at their work place (public and private sector) while tackling information security issues.**

IV TYPE OF THE PROJECT

Type of the Project

The majority of the students are expected to work on a real-life project preferably in some industry/ Research and Development Laboratories / Educational Institution / Software Company. However, it is **not mandatory** for a student to work on a real-life project. The student can formulate a project problem and submit the project proposal of the same. **Approval of the project proposal is mandatory.** If approved, the student can commence working on it, and complete it.

Problem selected and the specifications should be very much genuine.

Steps involved in the project work

The following are the major steps involved in the project, which may help you to determine the milestones and regulate the scheduling of the project:

- Select a topic.
- Prepare the project proposal.
- Submit the project proposal along with the necessary documents to the Concerned Study Centre.
- Receipt of the project approval from the Study Centre concerned.
- Carry out the project-work.
- Prepare the project report.
- Submit the project report to the Study centre concerned.
- Appear for the viva-voce as per the intimation by the Study Centre.

Communication of the approval

Communication regarding the project proposal Approval / Non-approval will be collected within 15 days after the receipt of the project proposal from the Study centre concerned.

Resubmission of the project proposal in case of non-approval

In case of non-approval, the suggestions for reformulating the project proposal will be communicated to you. The revised project proposal along with a new proforma, should be re-submitted along with a copy of the earlier proposal and non-approval project proposal proforma in the **next slot**.

Resubmission of MSCIS/PGDIS project in case of failed students

If the student is unsuccessful in the project, s/he should 're-do' the whole cycle, right from the submission of the project proposal. Students are advised to select a **new topic** for the project and should prepare and submit the project proposal to the study centre concerned.

In case of failed students, a pro-rata fee should be remitted as per IGNOU's website details.

Enquiries

Enquiries regarding the project proposal approvals and the project reports should be addressed to the **Concerned Study centre**.

V POINTS TO REMEMBER WHILE PREPARING THE PROJECT PROPOSAL

1. Project Proposal Formulation

- The project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.
- Proforma for Approval of Project Proposal (see page no.5) duly filled and signed by the student with date.
- Project proposal (15-20 pages) covering the following aspects:
 - (i) Title of the Project.
 - (ii) Introduction and Objectives of the Project.
 - (iii) Project Category
 - (iv) Research Methodology
 - (v) Scope of the solution.
 - (vi) Analysis
 - (vii) Future scope and further enhancement of the project.
 - (viii) Bibliography and Literature survey

2. Project proposal completed in all aspects with necessary enclosures should be sent to the Study centre concerned by registered insured post or by hand by the date mentioned in the Calendar. While posting your proposal, on the top of the envelope you should mention **“MSCIS/PGDIS Project Proposal (MSEP-028/MSEP-038)”**.
3. A project proposal, once approved, is **valid for that slot**. In case, a student is unable to submit her/his project report as per the slot, s/he may be given another chance for submission of the project report in the subsequent slot. If s/he still does not submit the project report, a fresh proposal approval is needed.

4. All entries of the proforma of approval should be filled up with appropriate and complete information. Incomplete approval-proforma in any respect will be summarily rejected.
5. A **photocopy of the complete Project Proposal** (along with Project Proforma, Project Proposal) submitted to the Study centre, should be retained by the student for future reference.
6. The evaluated project proposal proforma along with the details of Approved/Disapproved will be collected after 15 days after the proposal is received at the Study centre. In case if it is disapproved, the suggestions for reformulating the project proposal will be communicated to the student. Revised project proposal proforma, Proposal, should be sent along with the original copy / photocopy of the non-approved proforma of the earlier project proposal, to the Study centre.
7. The project is a part of your 2nd and 4th semester curriculum. Students are eligible to submit the project proposals after entering the 2nd and 4th semester of MSCIS/PGDIS as per the calendar.
8. **Violation of the project guidelines will lead to the rejection of the project at any stage.**

VI POINTS TO REMEMBER WHILE PREPARING THE PROJECT REPORT

1. Project Report Formulation:

The project report **should** contain the following:

- (i) Original copy of the Approved Proforma and Project Proposal.
- (ii) Certificate of Originality (Format given on Page 11).
- (iii) Project documentation.

2. The **project documentation** may be about 100 to 125 pages. The project documentation details should not be too generic in nature. Appropriate project report documentation should be done. To be more specific, whatever the theory in respect of these topics is available in the reference books should be avoided as far as possible. **The project documentation should be in respect of your project only.** The project documentation should include the topics given below. Each and every component shown below carries certain weightage in the project report evaluation.

- ◆ Table of Contents / Index with page numbering
- ◆ Introduction / Objectives
- ◆ Research Methodology
- ◆ Analysis
- ◆ Case Study
- ◆ Observation
- ◆ Conclusion and suggestions
- ◆ Future scope and further enhancement of the Project
- ◆ Bibliography

- ◆ Appendices (if any)
 - ◆ Glossary.
3. The project report should normally be printed with single line spacing on A4 paper (one side only). All the pages, tables and figures must be numbered. Tables and figures should contain titles.
 4. If any project report is received in the absence of the approved project proposal proforma (in original), project proposal and certificate of originality, it will be summarily rejected and returned to the student for compliance.
 5. Throughout the project report, the title of the project should be the same as per the approved Proposal.
 6. **Only one copy of the original project report in the bound form is to be submitted to the Study centre along with plagiarism report concerned through registered insured post or by hand by the date mentioned in the Calendar for the project.** One photocopy of the same Project Report must be retained by the student, which should be produced before the examiner at the time of viva-voce. **The soft copy of the Project Report to be uploaded on the link provided on IGNOU's website by SED from time to time.**
 7. A photocopy of the project report is **not acceptable** for submission. Kindly mention on the top of the envelope **MSCIS/PGDIS PROJECT REPORT (MSEP-028/MSEP-038)**.
 8. **Preferably, not more than one student is permitted to work on a project.**
 9. Title of the project should be kept the same throughout the project.

VII ASSESSMENT GUIDELINES FOR PROJECT EVALUATION

Each and every component of the project work and the viva voce carries its own weightage, so the student needs to concentrate on all the sections given in the project report formulation.

Basically, assessment will be based on the quality of your report, the technical merit of the project and the project execution. Technical merit attempts to assess the quality and depth of the intellectual effort, you have put into the project. Project execution is concerned with assessing how much work you have put in.

Organisation of the Project Report

Report organisation improves the professional attitude of writing reports. You should emphasise on the proper binding of the project report, the cover page, page numbering, organisation of content, and proper printout of text and images.

Viva Voce

While appearing for the viva-voce, the student should needs to carry the project report which s/he submitted.

Project Evaluation

The Project Report is evaluated for 150 marks and the viva-voce is for 50 marks. Viva-voce is compulsory and forms part of evaluation. A student in order to be declared successful in the project (MSEP-028/MSEP-038) must secure **50% marks in each component (i) Project Evaluation and (ii) Viva-voce**. Pass in both the components is compulsory. If a student submitted the project report as per the schedule and fails to attend viva, her/his Project will remains incomplete and should contact the Study centre concerned.

Student will be duly intimated about the Viva-voce by the concerned Study centre. They also contact concerned Study centre for the same. Viva-voce will be held at study centre concerned. In no case the vive-voce would be conducted at the work place or the residence of the Examiner. Viva-Voce will be conducted face-to-face or virtually through Google Meet/Zoom. **Viva through telephone, e-mail is not permitted.**

Unfair means

Students shall not use unfair means in connection with any of the project Proposal or the project report. The University will take the unfair means cases of the project proposal and project reports seriously and would be referred to Examination Discipline Committee of IGNOU for necessary action.

VIII. CERTIFICATE OF ORIGINALITY

This is to certify that the project report entitled _____ submitted to **Indira Gandhi National Open University** in partial fulfilment of the requirement for the award of the degree of **P.G. DIPLOMA IN INFORMATION SECURITY or MASTER OF SCIENCE (INFORMATION SECURITY)** is an authentic and original work carried out by me.

The matter embodied in this project is genuine work done by me and has not been submitted whether to this University or to any other University / Institute for the fulfilment of the requirements of any course of study.

.....
Signature of the Student

Date:
Name and Address
of the student

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.....
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.....

Enrolment No.....



INDIRA GANDHI NATIONAL OPEN UNIVERSITY

Course Code:

TITLE OF THE PROJECT

by

Student's Full Name

Enrolment No:

**Submitted to the School of Vocational Education and Training, IGNOU
in partial fulfilment of the requirements**

for the award of the degree

P.G. Diploma (Information Security) (PGDIS)

or

Master of Science (Information Security) (MSCIS)

Year of Submission:



**Indira Gandhi National Open University
Maidan Garhi
New Delhi – 110068**