

## Project Work Guidelines

Industry Based Project Work aims at developing innovative skills in the students whereby they apply the knowledge and skills gained through the course by undertaking a project. The individual students have different aptitudes and strengths. Project work, therefore, should match the individual strengths of students. The prime emphasis of the project work is to understand and apply the basic knowledge of the principles of software engineering practices in real life situations, so as to participate and manage a large software engineering projects in future

### Guidelines for a project

1. Not more than three students are permitted to work on a project
2. The student can formulate a project problem with the help of her/his supervisor and if approved, the students commence working on it
3. A candidate is required to present the progress of the project work during the semester as per the schedule
4. The project assignments may consist of:
  - ✓ Installation of computer systems, peripherals and software
  - ✓ Programming customer based applications
  - ✓ Web page designing including database connectivity
  - ✓ Database applications
  - ✓ Networking
  - ✓ Software Development
  - ✓ Fabrication of components/equipment (computer related components)
  - ✓ Fault-diagnosis and rectification of computer systems and peripherals
  - ✓ Bringing improvements in the existing systems/equipment
  - ✓ Projects related to Multimedia
  - ✓ Projects related to Computer Graphics
  - ✓ Web Hosting
  - ✓ Configuration of Network Operating System(Windows, Linux)
  - ✓ Configuration of servers (Proxy, DNS etc)
  - ✓ Data analysis
  - ✓ Data acquisition through multiple interfaces.

Following are the broad suggestive areas of project work

- ✓ Database Management Systems.
- ✓ Software Engineering and Software Development.
- ✓ Web page Designing.
- ✓ Computer Graphics and Animation.

- ✓ Multimedia Systems.
- ✓ Computer Networks.
- ✓ Internet and e-commerce.
- ✓ Computer Security and Cryptography.
- ✓ Computer hardware and embedded systems.
- ✓ Improving existing systems / equipments.
- ✓ Any other related area found worth.

## **Project Synopsis Format**

The Project proposal should be prepared and approved in consultation with the supervisor. The project proposal should contain complete details in the following format

1. Title of the Project
2. Name of the Supervisor
3. Introduction and objective of the Project
4. Analysis
5. A Complete Structure
6. Tools/Platform, Hardware and Software specification

## **Project Report Formulation**

Good quality paper of A4 size should be used.

Page specification: left margin: 3.0 cms, right margin 2.0 cms, top margin 2.54 cms, bottom margin 2.54 cms, line spacing –single, font size-12 for normal text, 14 for heading, 16 for chapter heading

The project report should contain the following

1. Front page-black color with golden or white text
2. Certificate of originality/self certificate
3. The project Report documentation should include the following topics ( as per the project requirement)
  1. Acknowledgement
  2. Table of contents/index with page numbering
  3. Introduction/Objectives of the Project
  4. System Analysis
  5. Feasibility study
  6. Software and Hardware requirement specification
  7. System Design
  8. Coding

9. Implementation and maintenance
10. Testing
11. Reports, Table figures,
12. Screen shots of the Project
13. Conclusion
14. Future Scope
15. Bibliography/references

Soft copy of labeled and signed project CD should be in the thick envelop pasted inside of the back cover of the project report

Two copies of the original project report in bound form are to be submitted

A PROJECT REPORT ON

“-----Title of the Project-----”

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIRMENT FOR THE AWARD OF THE DIPLOMA  
IN COMPUTER ENGINEERING



.SESSION: 20XX-20XX

Project Guide Name

Submitted By

Name of student

Roll No

Name of student

Roll No

Name of student

Roll No

Submitted to

Government Polytechnic Hisar

**Self Certificate**

This is to certify that Project Report entitled "-----" is done by me, and it authentic work carried out for the partial fulfillment of the requirement of the award of diploma under the guidance of ----- (Faculty Name). The matter and software embodies in this project has not been submitted for award of any degree or diploma to the best of my knowledge and believes.

Signature of the student  
(Name of the student)  
Roll No-----