

## LUCKNOW PUBLIC COLLEGE OF PROFESSIONAL STUDIES

### **Guidelines for Major Project Report (BCA-Pro)**

1. The Project Report should be submitted in A-4 size typed in double space. The Project Report should be hard bound as per enclosure in second page of guideline page.
2. **If any project report is submitted in the absence of the items listed above, it will be rejected and returned to students. Also, violation of Project Guidelines may lead to rejection of the Project.**
3. **Only One hard bound original copy** of the project report is to be submitted to **at the college premises. One copy of the same Project Report is to be retained with the student and the student is supposed to carry his copy while appearing for viva voce.**
4. **Spiral binding of Project Report is not permitted.**
5. Xerox copy of the project report is not acceptable.
6. All the items should be filled. The signatures of both student and Guide should be present.
7. Not more than one student is permitted to work on a Project.
8. If the title of the Project differs from the title mentioned in the Project Proposal/ Synopsis, the Project Report will be rejected and will be returned back to the student.
9. You all are requested to go through the attached annexures

### **Enclosures in Major Project Report**

- Project Training Letter
- Certificate of Originality
- Copy of Synopsis

# LUCKNOW PUBLIC COLLEGE OF PROFESSIONAL STUDIES

**ANNEXURE I**

## **TITLE OF PROJECT**

**Project Report Submitted**

**In Partial Fulfilment of the Requirements for the Degree of**

**Bachelor of Computer Application**

**by**

**NAME OF STUDENT**

**(Roll No.)**

**Batch 2020-23**

**Under the Supervision of**

**MR.XYZ (LPCPS faculty name)**

**Mr. XYZ (organization guide)**

**Assistant Professor/Associate Professor**

**Designation with organization**

**to the**

**Department of Computer Science**

**Lucknow Public College of Professional Studies University**



**LPCPS**  
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**ANNEXURE II**

## LUCKNOW PUBLIC COLLEGE OF PROFESSIONAL STUDIES

### **CERTIFICATE OF ORIGINALITY**

This is to declare that I **Student name (Roll No. XXXXXXX)** student of BCA in Lucknow Public College of Professional Studies have undertaken the **project entitled "PROJECT TITLE"** is an original work of the Student and is being submitted in partial fulfillment for the award of the Bachelor Degree in Bachelor of Computer Application. This report has not been submitted earlier either to this University or to any other University/Institution for the fulfillment of the requirement of a course of study.

**Student signature**

**Name of the student**

**Roll No**

## **PROJECT REPORT FORMAT**

**Note: The project Report should be as per following listed format/structure**

The project documentation may be about 100 to 125 pages (excluding coding). The project documentation details should not be too generic in nature. Appropriate project report documentation should be done, like, how you have done the analysis, design, coding, use of testing techniques/strategies, etc., in respect of your project. 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
- ◆ System Analysis
  - ✓ Identification of Need
  - ✓ Preliminary Investigation
  - ✓ Feasibility Study
  - ✓ Project Planning
  - ✓ Project Scheduling (PERT Chart and Gantt Chart both)
  - ✓ Software requirement specifications (SRS)
  - ✓ Software Engineering Paradigm applied
  - ✓ Data models (like DFD), Control Flow diagrams, State Diagrams/Sequence diagrams, Entity Relationship Model, Class Diagrams/CRC Models/Collaboration Diagrams/Use-case Diagrams/Activity Diagrams depending upon your project requirements

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### ◆ System Design

- Modularisation details
- Data integrity and constraints
- Database design, Procedural Design/Object Oriented Design
- User Interface Design
- Test Cases (Unit Test Cases and System Test Cases)

### ◆ Coding

- ✓ SQL commands for (i) database creation (along with constraints), (ii) data insertion in tables and (iii) access rights for different users.
- ✓ Complete Project Coding
- ✓ Comments and Description of Coding segments
- ✓ Standardization of the coding
- ✓ Code Efficiency
- ✓ Error handling
- ✓ Parameters calling/passing
- ✓ Validation checks

### ◆ Testing

- ✓ Testing techniques and Testing strategies used
- ✓ Testing Plan used
- ✓ Test reports for Unit Test Cases and System Test Cases
- ✓ Debugging and Code improvement

### ◆ System Security measures (Implementation of security for the project developed)

- ✓ Database/data security

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- ✓ Creation of User profiles and access rights
- ◆ Cost Estimation of the Project along with Cost Estimation Model
- ◆ Reports (sample layouts should be placed)
- ◆ Future scope and further enhancement of the Project
- ◆ Bibliography
- ◆ Appendices (if any)
- ◆ Glossary.
- ◆ Should attach a copy of the CD containing the executable file(s) of the complete project.