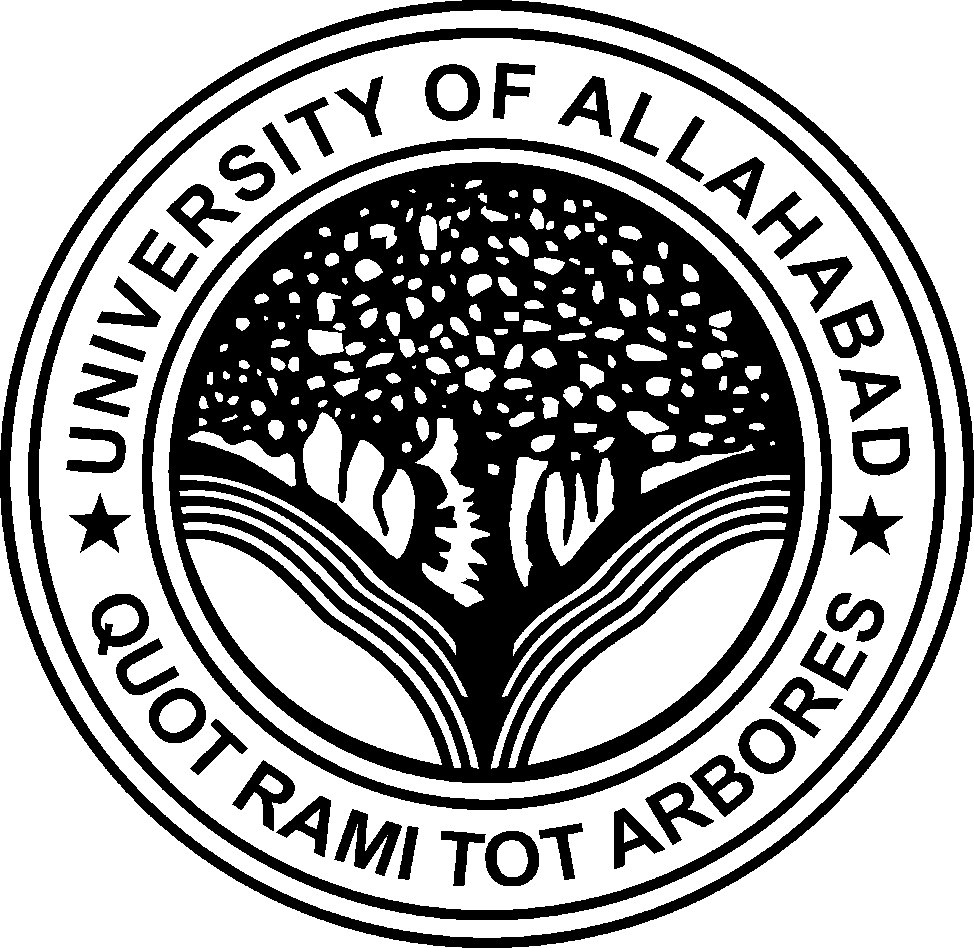
GUIDELINES & FORMAT

For Preparing

Project Synopsis by

<Graduate/Postgraduate Student>



**Centre of Computer Education & Training Institute of Professional Studies**

**University of Allahabad, Prayagraj Uttar Pradesh-211002**

The purpose of this manual is to provide broad guidelines to the undergraduate and postgraduate students for the preparation of the project report and its synopsis. It lists the general and specific requirements governing the project and its synopsis preparation including guidelines for structuring the contents.

# PARAMETERS FOR THE PROJECT WORK

The project work is to be carried out with due care and should be executed with seriousness by the candidates. As majority of the students are expected to work out on a real-life project in industry or research-oriented approach, further it is suggested that the project is to be chosen which should have some direct relevance in day-to-day activities or the project should be used for the betterment of the society. However, it is not mandatory for a student to work on a real-life project. The student can formulate a project problem with the help of his/her supervisor.

Candidates are responsible for deciding the timeline (using PERT/GANTT chart) for various phases of the project along with the date and time for discussion about the progress and specifications of the project with his/her Guide.

# LAYOUT OF PROJECT SYNOPSIS

The project proposal should be prepared in consultation with your supervisor. The project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken. The project proposal should contain complete details in the following form:

1. Title of the Project
2. Introduction of the project must consist of the following:
   1. Title and Category of the project (RDBMS/ OOPS/ Networking/ Multimedia/ Artificial Intelligence / Expert Systems etc.). In case of any doubt consult the Guide.
   2. Problem definition
   3. Motivation
3. Objective of the Project
4. Requirement Analysis
   1. Software Analysis
   2. Study Design
   3. Type of Problem (clustering/ classification/ regression/ Translation/ Association rule mapping) and domain (Vision, Text, Big Data, Data science, others, hybrid)
   4. Name of Algorithm(s) developed or used
   5. Testing strategy used.
5. Details of the project must be provided with the help of the following:
   1. DFDs at least up to second level &/or ER Diagrams &/or Class Diagrams
   2. Database Design (If applicable)
   3. Any other (Any diagram that best fits to explain the problem)
6. A complete **MILESTONE** & **STRUCTURE** of the project which includes:
   1. Data Structures as per the project requirements for all the modules.
   2. Number of modules and their description along with estimated timeline.
   3. Testing methods to be used & execution with estimated timeline.
   4. Report generation (if any). Clearly mention the content of the report along with the technology & the estimated timeline.
7. Hardware requirement: Clearly discuss the tools, platform to be used for completion of the project.

*Note: All of you have to follow the standard mechanism for creating diagram or flow- chart.*

# SPECIFICATIONS FOR SYNOPSIS

1. The synopsis shall be computer typed
   1. Font type - Times Roman
   2. Font Size-12 point
   3. Paper size - A4 size
2. The Synopsis shall be typed on one side only with 1.5 space with a margin 3.5 cm on the left, 2.5 cm on the top, and 1.25 cm on the right and at bottom.
3. In the synopsis, the title page [Refer sample sheet] should be given first. This should be followed by the layout given above.
4. Header- Name of the project and page no. Footer- Centre and name of the University.
5. Figures/Tables/Diagrams**:**
   1. Place figures and tables at the top and bottom of columns.
   2. Avoid placing them in the middle of columns.
   3. Large figures and tables may span across both columns.
   4. Figure captions should be below the figures; table heads should appear above the tables.
   5. Insert figures and tables after they are **cited** in the text.
   6. Use the abbreviation “Fig. 1”, even at the beginning of a sentence.

TABLE I. Table Type Styles

|  |  |  |  |
| --- | --- | --- | --- |
| **Table Head** | **Table Column Head** | | |
| ***Table column subhead*** | ***Subhead*** | ***Subhead*** |
| copy | More table copya |  |  |

* + 1. Sample of a Table footnote. (*Table footnote*)

Fig. 1. Example of a figure caption. (*figure caption*)