#### Guru Nanak Dev Engineering College Ludhiana

Department of Information Technology

### Format for Major Project Report

#### SPECIFICATIONS FOR MAJOR PROJECT REPORT

- 1. Report shall be computer typed in Latex format use LyX or any editor (English- British, Font -Times Roman, Size-12 point) and printed on A4 size paper.
- 2. The Report shall be hard bound with cover page in blue color. The name of the candidate, degree (specifying the branch), roll no., session, year of submission, name of the University including college name shall be printed in black on the cover [Refer sample sheet (outer cover)].
- 3. The report shall be typed on one side only with double 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.
- 4. In the report, the title page [Refer sample sheet (inner cover)] should be given first then the Certificate by the candidate and the supervisor(s) in sequence, followed by an abstract of the report (not exceeding 1500 words). This should be followed by the acknowledgment, list of figures/list of tables, notations/nomenclature, and then contents with page numbers.
- 5. References and Bibliography should be included in report.
- 6. The diagrams should be printed on a light/white background; Tabular matter should be clearly arranged.

  Decimal point may be indicated by full-stop (.) The caption for Figure must be given at the BOTTOM of the Figure and Caption for the Table must be given at the TOP of the Table.
- 7. The graphs should be combined for the same parameters for proper comparison. Single graph should be avoided as far as possible.
- 8. Conclusions must not exceed more than two pages.
- 9. There should be 03 copies of Final Report.

# PLANT RECOMMENDATION FOR BIO-FUEL

### MAJOR PROJECT REPORT

### SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR

THE AWARD OF THE DEGREE OF

#### BACHELOR OF TECHNOLOGY

Information Technology



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# Title page

Abstract i

Acknowledgement ii

List of Figures iii

List of Tables iv

Table of Contents v

# Contents

1	Intr	${f roduction}$	Ę
	1.1	Introduction to Project Page	Ę
	1.2	Project Category (Internet based, Application or System Development, Research based, Industry	
		Automation, Network or System Administration)	ļ
	1.3	Objectives	ļ
	1.4	Problem Formulation	Į
	1.5	$Identification/Reorganization\ of\ Need \\ \ldots \\ \ldots \\ \ldots \\ \ldots$	į
	1.6	Existing System	Ę
	1.7	Proposed System	Ę
	1.8	Unique Features of the System	ţ
2	Rec	quirement Analysis and System Specification	ţ
	2.1	Feasibility Study (Technical, Economical, Operational)	Ę
	2.2	Software Requirement Specification Document which must include the following: (Data Require-	
		ment, Functional Requirement, Performance Requirement, Dependability Requirement, Main-	
		tainability requirement, Security Requirement, Look and feel requirement)	Ę
	2.3	Validation	į
	2.4	Expected hurdles	į
	2.5	SDLC Model to be used	Ę
3	Sys	tem Design	ţ
	3.1	Design Approach (Function oriented or Object oriented)	ļ
	3.2	Detail Design	Į
	3.3	System Design using various structured analysis and design tools such as: DFD's, Data Dictio-	
		nary, Structured charts, Flowcharts or UML	Ę
	3.4	User Interface Design	Ę
	3.5	Database Design	ļ

		3.5.1 ER Diagrams	Ē
		3.5.2 Normalization	5
		3.5.3 Database Manipulation	5
		3.5.4 Database Connection Controls and Strings $\dots$	5
	3.6	Methodology	E.
4	Imp	lementation, Testing, and Maintenance	5
	4.1	Introduction to Languages, IDE's, Tools and Technologies used for Implementation	5
	4.2	Coding standards of Language used	5
	4.3	Project Scheduling using various tools such as PERT, GANTT charts, Open PROJ etc	5
	4.4	Testing Techniques and Test Plans	E
5	Res	ults and Discussions	5
	5.1	User Interface Representation (of Respective Project)	5
		5.1.1 Brief Description of Various Modules of the system	5
	5.2	Snapshots of system with brief detail of each	5
	5.3	Back Ends Representation (Database to be used)	5
		5.3.1 Snapshots of Database Tables with brief description	5
6	Cor	clusion and Future Scope	5

## 1 Introduction

- 1.1 Introduction to Project Page
- 1.2 Project Category (Internet based, Application or System Development, Research based, Industry Automation, Network or System Administration)
- 1.3 Objectives
- 1.4 Problem Formulation
- 1.5 Identification/Reorganization of Need
- 1.6 Existing System
- 1.7 Proposed System
- 1.8 Unique Features of the System
- 2 Requirement Analysis and System Specification
- 2.1 Feasibility Study (Technical, Economical, Operational)
- 2.2 Software Requirement Specification Document which must include the following: (Data Requirement, Functional Requirement, Performance Requirement, Dependability Requirement, Maintainability requirement, Security Requirement, Look and feel requirement)
- 2.3 Validation
- 2.4 Expected hurdles
- 2.5 SDLC Model to be used
- 3 System Design
- 3.1 Design Approach (Function oriented or Object oriented)
- 3.2 Detail Design
- 3.3 System Design using various structured analysis and design tools such as:
  DFD's, Data Dictionary, Structured charts, Flowcharts or UML
- 3.4 User Interface Design

# Appendix A: Development Environment

Note: The report of respective project should be as per prescribed format and in the same order though if some of the points are not applicable in regard with the concerned project, they might be omitted.