**K. J. Somaiya College of Engineering, Mumbai-77**

(Autonomous College Affiliated to University of Mumbai)

**Department of Computer Engineering**

**2016-17**

**B E Computer Semester VIII**

**Documentation Guidelines for Semester VIII Project Report**

The Project Report should be written in the following order of chapters in consultation with Internal Guide.

**Abstract**

**Acknowledgements**

**Contents**

**Index (table/figure)**

1. **Introduction**
   1. Introduction /Motivation/ Project overview
   2. Problem Definition
   3. Scope

The title of **Chapter 1** shall be Introduction. It shall justify and highlight the problem posed, define the topic and explain the aim and scope of the work presented in the thesis. It may also highlight the significant contributions from the investigation.

1. **Literature Review**

This shall normally present a critical appraisal of the previous work published in the literature pertaining to the topic of the investigation. The extent and emphasis of the chapter shall depend on the nature of the investigation.

1. **Project Management Plan**
   1. Feasibility Analysis
   2. Lifecycle Model
   3. Project Cost and time estimation
   4. Resource plan
   5. Task & Responsibility Assignment Matrix
   6. Project Timeline Chart
2. **Project Analysis and Design**
   1. Software Architecture diagram
   2. Architectural style and justification
   3. Software Requirements Specification Document

This should contain functional and non-functional requirement, resource requirement, hardware requirement, software requirement etc

Modeling will be done using class diagram, use-case diagram, activity diagram, state diagram, DFD, ERD etc.(based on development paradigm selected)

* 1. Software Design Document

It should contain database design, UI design, Procedural design and component diagram.

1. **Project Implementation** 
   1. Approach/System Architecture / Main Algorithm / Methodology
   2. Programming Language used for Implementation
   3. Tools used
   4. Deployment diagram
2. **Integration & Testing**
   1. Testing Approach
   2. Testing Plan
   3. Unit Test Cases
   4. Integrated System Test Cases
3. **Conclusion & Future work**

**References**

**Appendix**

* 1. Minimum System Requirement
  2. User’s Manual
  3. Technical Reference Manual
  4. Data Sheets of chips used ( for hardware projects only)

**Papers Presented /Published/accepted\***

\*details of the paper should in format – title, authors, journal/conference, month & year

\*Attach the copy of published paper

\*Participation certificate for project competition

**Plagiarism report for final BE project report.**

**Head,**

**Department of Computer Engineering**