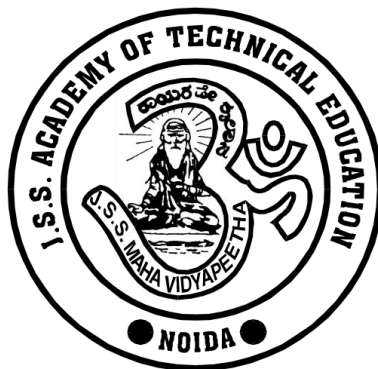


**JSS MAHAVIDYAPEETHA**



## **Mini Project / Internship Assessment**

**Subject Name: Mini project / Internship Assessment**

**Subject Code : KCS-554**

**COURSE: B.Tech.**

**SEMESTER: V**

**by**

**Name of Student (Roll No)**

**Department of Computer Science and Engineering**

**JSS ACADEMY OF TECHNICAL EDUCATION**

**C-20/1, SECTOR-62, NOIDA**

## **VISION AND MISSION**

### **VISION OF THE INSTITUTE**

**JSS Academy of Technical Education Noida aims to become an Institution of excellence in imparting quality Outcome Based Education that empowers the young generation with Knowledge, Skills, Research, Aptitude and Ethical values to solve Contemporary Challenging Problems.**

### **MISSION OF THE INSTITUTE**

**Develop a platform for achieving globally acceptable level of intellectual acumen and technological competence.**

**Create an inspiring ambience that raises the motivation level for conducting quality research.**

**Provide an environment for acquiring ethical values and positive attitude.**

### **VISION OF THE DEPARTMENT**

**“To spark the imagination of the Computer Science Engineers with values, skills and creativity to solve the real-world problems.”**

### **MISSION OF THE DEPARTMENT**

**To inculcate creative thinking and problem-solving skills through effective teaching, learning and research.**

**To empower professionals with core competency in the field of Computer Science and Engineering.**

**To foster independent and lifelong learning with ethical and social responsibilities.**

## **PROGRAM OUTCOMES (POs)**

**Engineering Graduates will be able to:**

**PO1: Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2: Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5: Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6: The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9: Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11: Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12: Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## **PROGRAM EDUCATIONAL OUTCOMES (PEOs)**

**PEO1:** To apply computational skills necessary to analyze, formulate and solve engineering problems.

**PEO2:** To establish as entrepreneurs, and work in interdisciplinary research and development organizations as an individual or in a team.

**PEO3:** To inculcate ethical values and leadership qualities in students to have a successful career.

**PEO4:** To develop analytical thinking that helps them to comprehend and solve real-world problems and inherit the attitude of lifelong learning for pursuing higher education.

## **PROGRAM SPECIFIC OUTCOMES (PSOs)**

**PSO1:** Acquiring in depth knowledge of theoretical foundations and issues in Computer Science to induce learning abilities for developing computational skills.

**PSO2:** Ability to analyse, design, develop, test and manage complex software system and applications using advanced tools and techniques.

## JSS Academy of Technical Education – NOIDA

### Mini Project/Internship Assessment (KCS-554) (CSE V Semester)

#### COURSE OUTCOMES (COs)

<b>C340.1</b>	Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a task.
<b>C340.2</b>	Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for systems.
<b>C340.3</b>	Demonstrating understanding of professional customs & practices and working with professional standards.
<b>C340.4</b>	Improving problem-solving, critical thinking skills and report writing.
<b>C340.5</b>	Learning professional skills like exercising leadership, behaving professionally, behaving ethically, listening effectively, participating as a member of a team, developing appropriate workplace attitudes.

#### CO-PO-PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2
<b>C340.1</b>	3	3	3	3	2	3	3	3	3	3	2	3	3	3
<b>C340.2</b>	3	3	3	3	3	3	3	3	3	2	3	3	3	3
<b>C340.3</b>	2	2	3	3	3	2	3	3	3	1	2	3	3	3
<b>C340.4</b>	2	2	2	2	2	2	2	2	2	3	2	3	2	2
<b>C340.5</b>	2	2	2	2	2	2	2	2	2	3	2	3	2	2
<b>C340</b>	2.40	2.40	2.60	2.60	2.40	2.40	2.60	2.60	2.60	2.40	2.20	3.00	2.60	2.60

## ***DECLARATION***

*I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.*

*Signature:*

*Name :*

*Roll No.:*

*Date :*

***CERTIFICATE***

This is to certify that Mini Project/Internship Assessment Report entitled “.....” which is submitted by ..... in partial fulfillment of the requirement for the award of degree B. Tech. in Department of Computer Science and Engineering of Dr. APJ Abdul Kalam Technical University, Uttar Pradesh, Lucknow is a record of the candidate’s own work carried out by him/her under my supervision. The matter embodied in this report is original and has not been submitted for the award of any other degree.

**Supervisor**

**Date**

### **Guidelines For Preparing Mini Project / Internship Assessment Report**

The following guidelines must be followed while preparing the Mini Project/Internship Assessment report:

1. The report should not exceed 20 to 25 pages and should be spiral bound.
2. Photocopy of Training Certificate must be attached in the report and its original must be carried in person at the time of presentation.
3. The report must be printed on A-4 sheet.
4. The report should have the following page margins:
  - i. Top Margin: 3.5 cm      Bottom margin: 2 cm
  - ii. Left Margin: 3 cm      Right Margins: 2 cm
5. The report should be typed in Times New Roman with all headings in font size 14 (Bold), subheadings in Font size 12 (Bold) and running matters in font Size 12 , typed neatly on one side of the page with 1.5 line spacing & justified, with page numbers on the bottom center of the page.
6. Font size of the figure and tables captions must be 10 points
2. Each chapter must begin on a new page and be centered using the Font Size 16 with Bold Face and uppercase letter.
3. The title of the Chapter must reflect the content of the text that follows.
4. Provide three blank lines after the chapter name.

Second Headings must be towards left margin and be typed in Sentence case letters; i.e., the first letter of each word except conjunctions, prepositions, and articles must be a capital letter.

5. All figures should be numbered and cited consecutively in the text as Figure 2.1, Figure 2.2, to indicate the first and second figures in Chapter 2 respectively with title **below** the figure. Similarly, it is the case with tables such as Table 3.1, Table 3.2, etc with title **above** the table. Figures and tables must be center aligned.
6. The preliminary section, including the title page; copyright page, if any; foreword, preface, or acknowledgements; table of contents; etc., should be numbered, using lower case Roman Numerals, e.g., i, ii, iii, etc. The title page counts as Page i, but the number does not appear.



The sequence of the preliminary section is as follows:

1. Cover Page
2. Preliminary Pages
  - i. Certificate by Company/Industry/Institute
  - ii. Declaration by student
  - iii. Acknowledgement
  - iv. Abstract
3. About Company/Industry/Institute
4. Table of Contents
5. List of Tables
6. List of Figures
7. Abbreviations and Nomenclature (If any)
8. Chapters
  - 1 **Introduction: Following content points are to be specified:**  
at least 5-8 pages
    - ✓ Summary of the training and/or the project done at the company.
    - ✓ Specify your role in the training project (if any).
    - ✓ Information regarding Project background and project goals are to be elaborated.
  - 2 **Tools & Technology Used:** at least 5-8 pages
    - ✓ Explain about the tools and technology learned in the training incorporating the following queries.
    - ✓ Is there any alternative technology/tool that could have been used?
    - ✓ Why the technology was preferred?
    - ✓ Briefly layout a comparative study of the various technologies.
  - 3 **History and features of the technology:** at least 7-10 pages
    - ✓ History of the technology used.
    - ✓ Features of the technology.
    - ✓ Discuss the paradigm shift (need and the added features).
  - 4 **Work Done:** at least 10 pages
    - ✓ Diagrammatic Representation of the Project
    - ✓ Use Case Diagram
    - ✓ Data Flow Diagram (Level 0, Level 1, Level 2 DFD)
    - ✓ Module Information
    - ✓ Share the screenshots of the actual work done during the course of training.
    - ✓ Each screenshot should be accompanied with an elaborate discussion pertaining to:
      - ◆ Feature of the technology/tool.
      - ◆ Application of the tool/module in the project.
      - ◆ Integration with other modules of the project.
      - ◆ Inputs and Outputs.
  - 5 **Conclusions and Future Scope:** at least 3 pages

- ✓ Conclude with explaining how the learned technology/tools shall be used in the scope of your final year major project.
- ✓ Specify the Industrial Relevance of the Technology used.
- ✓ Specify the Societal Relevance and Impact of the Project.
- ✓ Future Scope of the Project.

9. References

10. Appendices (If any)