**An**

**Internship Assessment Report**

On

**Project Name**

At

**Company Name**

**Report submitted in partial fulfillment of the requirement for award of**

**Bachelor of Technology**

**Name of student: Department Supervisor Name**

**Roll No.**

**Section: Designation**

****

**Department of Computer Science and Engineering**

**IMS ENGINEERING COLLEGE**

**NH-09, Adhyatmik Nagar, Ghaziabad-201015**

**(2024-25)**

**Vision and Mission of the Institute and Department**

**Vision of the Institute**

To make IMSEC an Institution of Excellence for empowering students through technical education coupled with incorporating values and developing engineering acumen for innovations and leadership skills for the betterment of society.

**Mission of the Institute**

**Mission 1**: To promote academic excellence by continuous learning in core and emerging Engineering areas using innovative teaching and learning methodologies.

**Mission 2**: To inculcate values and ethics among the learners.

**Mission 3**: To promote industry interactions and produce young entrepreneurs.

**Mission 4**: To create a conducive learning and research environment for life-long learning to develop the students as technology leaders and entrepreneurs for addressing societal needs.

**Vision of the Department**

To provide globally competent professionals in the field of Computer Science & Engineering embedded with sound technical knowledge, aptitude for research and innovation with ethical values to cater to the industrial & societal needs.

**Mission of the Department**

M1:To provide quality undergraduate education in both the theoretical & applied foundations of Computer Science Engineering.

M2: Conduct research to advance the state of the art in Computer Science & Engineering and integrate the research results as innovations.

M3: To inculcate team building skills and promote life-long learning with a high societal and ethical values.

**Program Outcomes (POs)**

|  |  |
| --- | --- |
| **S. No.** | **Program Outcomes / Program Specific Outcomes** |
| **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 modelling 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 Specific Outcomes (PSOs)**

#### PSO1: To analyze and demonstrate, the recent engineering practices, ethical values and strategies in real time world problems to meet the challenges for the future.

**PSO2**: To develop adaptive computing system using computational intelligence strategies and algorithmic design to address diverse challenges in data analysis and machine learning.

**Program Educational Objectives (PEOs)**

**PEO1**: Possess core theoretical and practical knowledge in Computer Science and Engineering for successful career development in industry, pursuing higher studies or entrepreneurship

**PEO2**: Ability to imbibe life-long learning for global challenges to impact society and environment.

**PEO3**: To demonstrate work productivity with leadership and managerial skills having ethics and human value in progressive career path.

**PEO4**: To exhibit communication skill and collaborative skill plan and participate in multidisciplinary fields of Computer Science & Engineering.

**CO-PO-PSO MAPPNG FOR ACADEMIC SESSION 2023-24**

**Course Name:** Internship Assessment **AKTU Course Code**: KCS752

**Semester/Year**: VII/ 4th **NBA Code**: C406

**Course Coordinator**: Basudeo Singh Roohani

**Course Outcomes**

|  |  |  |
| --- | --- | --- |
| **CO. No.** | **DESCRIPTION** | **COGNITIVE LEVEL (BLOOMS TAXONOMY)** |
| **CO1(C406.1)** | Developing a technical artifact requiring new technical skills and effectively utilizing a new software tool to complete a task | **K4,K5** |
| **CO2(C406.2)** | Writing requirements documentation, Selecting appropriate technologies, identifying and creating appropriate test cases for systems. | **K5,K6** |
| **CO3(C406.3)** | Demonstrating understanding of professional customs & practices and working with professional standards. | **K4,K5** |
| **CO4(C406.4)** | Improving problem-solving, critical thinking skills and report writing. | **K4,K5** |
| **CO5(C406.5)** | Learning professional skills like exercising leadership, behaving professionally, behaving ethically, listening effectively, participating as a member of a team, developing appropriate workplace attitudes | **K2,K4** |

**CO-PO-PSO Mapping**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO 10** | **PO 11** | **PO 12** | **PSO1** | **PSO2** |
| **C406.1** | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| **C406.2** | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 3 | 1 | 1 | 2 | 3 |
| **C406.3** | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 |
| **C406.4** | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 1 | 2 | 3 | 1 | 3 | 1 | 1 |
| **C406.5** | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 1 | 1 | 1 |
| **C406** | **2.2** | **2.2** | **2** | **2** | **2** | **2** | **1.4** | **2.2** | **2.2** | **2.6** | **1.8** | **2** | **1.8** | **1.8** |

**TABLE OF CONTENTS**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Content** | **Page No** |
| 1. | Internship Certificate | 1 |
| 2. | Declaration | 2 |
| 3. | Acknowledgement | 3 |
| 4. | List of Figures | 4 |
| 5. | List of Tables | 5 |
| 6. | Introduction to the Industry/Institution | 6 |
| 7. | **Company Profile:**   1. Company name with full address 2. Establishment Year, Owner Name, Annual Turnover etc. 3. Name of business of the Industry/Institute (Training Institute/Software Company etc.) 4. Add organizational Chart | 7 |
| 8. | Activities of the Company |  |
| 9. | Summer internship at a Glance(brief introduction) |  |
| 10. | Major Customers/Competitors |  |
| 11. | **CHAPTER 1: INTRODUCTION**   1. Background 2. Objectives 3. Scope of Project 4. Conclusion |  |
| 12. | **CHAPTER 2: METHODOLOGY**   1. Problem Definition 2. Literature Survey 3. Tools and Technology used |  |
| 13. | **CHAPTER 3: SYSTEM DESIGN**   1. Basic Modules 2. Data Flow Diagram 3. User interface design 4. Security Issues |  |
| 14. | **CHAPTER 4: IMPLEMENTATION AND TESTING**   1. Coding 2. Testing |  |
| 15. | **CHAPTER 5: RESULTS AND DISCUSSION**   1. Test Reports |  |
| 16. | **CHAPTER 6: CONCLUSIONS**   1. Limitations of the System 2. Future Scope of the Project 3. References |  |

**Company Letterhead**

[Date]

**Certificate of Completion**

This is to certify that Mr. Amit Kr. Gupta, Roll No. 200143010001 bonafide student of IMS Engineering College, Ghaziabad, U.P has successfully completed the Offline Summer Internship on Full Stack Web Development Program at Coding Ninjas. The program took place from 01-07-2024 to 01-08-2024, with duration of four weeks. During this period, Mr. Amit Kr. Gupta has worked on a project “**College Website Management System**” demonstrating exceptional enthusiasm, professionalism, and a strong work ethic.

We believe that Mr. Amit Kr. Gupta has gained valuable practical experience and has made a significant contribution to our company/organization during his time with us. We hope that this internship has provided Mr. Amit Kr. Gupta with a strong foundation for their future career endeavors.

We wish him continued success in his academic pursuits and professional journey.

Sincerely,

(Raj Kumar)

(Designation)

(Company Name)

(Company Address with Pin Code)

(Contact Number)

(Email Address)

## DECLARATION

*I hereby declare that the work, which is being presented in this report” Title of the Report” in partial fulfillment of the requirement for the award of Bachelor of Technology in Computer Science & Engineering and submitted to the Department of the Computer Science & Engineering, IMS Engineering College, Ghaziabad, is an authentic record of my work carried within the premises of “ Company Name”, under the supervision of “Supervisor Name (Designation).*

*The contents of this report, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma and are free from plagiarism.*

### Signature of the student

**Name of the student***:*

**Roll No***:*

**Section:**

**Date:**

## ACKNOWLEDGEMENT

I am extremely grateful to “Company Name” for providing me the opportunity to carry out my Summer Internship at their facility. Special thanks are due to (Name of Manager/Engineer/ Supervisor with designation) for their continuous support and guidance in being my mentor. Last but not least, I would like to extend my gratefulness to all the supervisors and technicians, right from the highest to simplest, for their constant and enthusiastic support.

My Sincere thanks to respected Director Prof. (Dr.) Vikram Bali, Head of the Department Prof.(Dr.) Sonali Mathur, Co-ordinators Internship Assessment Mr. Basudeo Singh Roohani. Ms. Shanu Priya Chauhan and all the faculty members for providing me wonderful support and guidance.

### Signature of the student

**Name of the student**:

**Roll No**

**Section:**

## Instructions for preparing Report

Report should contain all the details and text should be short and concise, lengthy reports may not be qualitative, and care should be taken to edit the material sensibly. The report should normally be printed with single line spacing on A4 paper (one side only). Figures should be clearly drawn and all material should be reproducible by normal photocopy. All pages, tables and figures must be numbered and figures should have titles. The details of the instructions are as follows:

**1. Font size and margin**

1. The report is to be bound with a clear front cover.
2. Use font: Times New Roman
3. Use font size:

* Main Headings or Chapter Headings 16 font size (1,2,3 etc), Capital and Bold, must begin with a new page and be centered. The number of the headings shall be followed by a period and two spaces.
* Sub-heading: 14 Font size, Bold, 2.1, 2.2, 2.3, etc
* For normal text 12

1. Use margins:

* Left margin: 1.5”
* Right margin: 1”
* Top and Bottom margins: 1”
* Text should be justified.
* Above margins shall be observed on charts, graphs, tables, and drawings etc.
* Front cover has specified format as given above.

**2. Figure and Tables**

* Each figure has a number and a caption below the figure. As given in the example of a Figure.

Figure 1: A typical computer network

* Each table has a number and a title above the table. As given in the example of a Table.

Table 1: Comparison of various data structures

**3. The report should be spiral bound**

**4.** Pl be in contact with your co-ordinator for addition/deletions/ corrections (if any) in the report. The

student should sign on declaration and acknowledge.

**5**. **Certificate from the Company should be on the Company Letterhead.**

**6.** No. of summer internship report copies required: 02 (one department copy and one student copy)