Marathwada Mitra Mandal's
COLLEGE OF ENGINEERING, PUNE
Accredited with ‘A++' Grade by NAAC

INTERNSHIP REVIEW

TOPIC

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By

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OUTLINES

Internship completion certificate

Internship Place Details- Company

Introduction

Title/Problem statement/objectives

Motivation/Scope and rationale of the study

Methodological details

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INTERNSHIP COMPLETION CERTIFICATE

INTERNSHIP PLACE DETAILS- COMPANY

RD Infro Technology is a professional company that provides internship opportunities to students, helping them gain hands-on experience in various fields such as cybersecurity, web development, data science, and digital marketing. Based in Lucknow, Uttar Pradesh, India.

RD Infro Technology focuses on bridging the gap between academic learning and industry requirements by offering structured and skill-based internship programs. The company emphasizes practical learning through real-world projects, allowing interns to enhance their technical and professional skills.

INTRODUCTION

Definition of Python:

Python is a high-level, interpreted programming language known for its readability, simplicity, and wide range of applications in software development and data science

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Growing Importance:

With increasing demand for automation, data analysis, and web development, Python has become one of the most widely used and versatile programming languages today.

Focus of the Study:

This study focuses on Python fundamentals, programming logic, real-world problem-solving, and hands-on practice with tools like Pandas, NumPy, and Matplotlib.

Objective of the Presentation:

To present core Python concepts, showcase practical implementation through

TITLE/PROBLEM STATEMENT/OBJECTIVES

Problem Introduction to Python:

Learning Python is essential for developing efficient, readable, and scalable solutions in today's technology-driven world.

Code Logic and Debugging:

Understanding programming logic and learning to debug are key to writing effective and error-free Python programs.

Project-Based Learning:

Hands-on projects using Python help in applying theoretical knowledge to solve real-world problems and automate tasks.

Use of Libraries and Tools:

Utilizing libraries like Pandas, NumPy, and Matplotlib enhances the ability to perform data analysis, visualization, and task automation.

MOTIVATION/SCOPE AND RATIONALE OF THE STUDY

Adapting to Modern Programming Needs:

Python's readability and wide applicability make it a go-to language for beginners and professionals across multiple domains.

Bridging the Gap Between Theory and Practice:

The internship focuses on applying programming concepts in real-world scenarios, enhancing both conceptual understanding and practical skills.

Hands-On Experience with Python Tools:

Working with libraries like Pandas, NumPy, and Matplotlib provides exposure to data handling, analysis, and visualization.

Building a Foundation for Future Growth:

Python serves as a stepping stone toward advanced fields such as web development, machine learning, and automation, encouraging continuous learning.

METHODOLOGICAL DETAILS

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RESULTS / ANALYSIS /INFERENCES AND CONCLUSION

Programming Skill Development:
Evaluated the improvement in understanding Python syntax, data types, and control structures through regular practice and assessments.

Project Completion Metrics:
Analyzed the successful completion of assigned Python tasks and mini-projects, demonstrating the application of learned concepts.

Library Implementation:
Assessed proficiency in using Python libraries like Pandas, NumPy, and Matplotlib for data manipulation and visualization.

Debugging and Logical Thinking:
Reported improvement in identifying and fixing logical and syntax errors, enhancing problem-solving skills and code accuracy.

Participant Feedback:
Summarized intern feedback on the learning experience, highlighting the clarity of explanations, relevance of projects, and interest in exploring advanced Python topics.

LIST OF REFERENCE

📚 **Books:**

Reyes, B. (2016). *Python Programming for Beginners: A Step-by-Step Guide*. CreateSpace Independent Publishing.

Downey, A. (2015). *Think Python: How to Think Like a Computer Scientist*. Green Tea Press.

📄 **Journal Articles:**

Sanner, M. F. (1999). Python: A programming language for software integration and development. *Journal of Molecular Graphics and Modelling, 17(1)*, 57–61. https://doi.org/10.1016/S1093-3263(99)00017-0

- 🌐 **Websites:**

Python Software Foundation. (2023). *Python Documentation*. https://docs.python.org

W3Schools. (2023). *Python Tutorial*. https://www.w3schools.com/python/

TIMELINE

Week 1

Introduction to Python programming and basic syntax.

Week 2

Learned about data types, variables, input/output, and conditional statements.

Week 3

Practiced loops, functions, and basic problem-solving using Python.

Week 4

Worked with libraries like Pandas, NumPy, and Matplotlib for data handling and visualization.

Week 5

Completed project tasks and submitted final work for review.

THANK YOU