SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)
Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka
Vishwothama Nagar, Bantakal-574 115, Udupi District, Karnataka, INDIA

INTERNSHIP DIARY

Student Name	Raksha Shetty
University Seat Number	4MW21AI033
Academic Year	2024 -2025
Department	Artificial Intelligence & Machine Learning (AIML)
Internal Guide	Dr. Vighnesh Shenoy
External Guide	
Designation & Department	
Company/ Organization	CodeLab Systems
Address	CODELAB Systems, Light House Hill Road Bavutagudda, Mangaluru
Internship Dates	**From:** 17/02/2025 **To:** 17/05/2025

Department of Artificial Intelligence and Machine Learning Engineering
Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal Udupi

2024-2025

DAILY ACTIVITY REPORT

Student Name: Raksha Shetty   **USN: 4MW21AI033**

Name of the Organization:

Week No: 1

Date	Activity	Signature of the External Guide
17/02/2025	On the first day of my AI/ML internship, I focused on setting up Python, Jupyter Notebook, and VS Code for development. I explored Python's syntax, indentation rules, and its simplicity compared to other languages. By the end of the day, I was comfortable running basic scripts and understanding Python's interactive environment.	
18/02/2025	On the second day, I learned about different data types, including integers, floats, strings, lists, tuples, and dictionaries. Understanding dynamic typing and type conversion was crucial in handling data efficiently. I practiced writing Python programs that involved typecasting and performed operations on different data structures. This helped me get familiar with Python's memory management and flexibility in handling variables.	
19/02/2025	The third day was dedicated to operators and expressions. I explored arithmetic, comparison, logical, and bitwise operators, understanding their importance in building logical statements and expressions. I implemented small programs such as calculating the area of different shapes, checking leap years, and computing simple interest. This practice reinforced my understanding of operator precedence and associativity.	
20/02/2025	On the fourth day, I focused on conditional statements like if, elif, and else for decision-making. I worked on small projects, including a grade classification system, a voting eligibility checker, and a number comparison tool. These exercises strengthened my understanding of logical conditions in program flow.	
21/02/2025	The fifth day introduced me to loops and iterations, where I learned about for and while loops to handle repetitive tasks efficiently. I explored the range function and applied loop control statements such as break, continue, and pass to modify loop behavior as needed. To reinforce my learning, I worked on small projects like generating the Fibonacci series, calculating the sum of digits of a number, and pattern printing using nested loops. These activities enhanced my logical thinking and prepared me for writing more complex Python programs in the upcoming weeks.	

Signature of the Internal Guide

DAILY ACTIVITY REPORT

Student Name: Raksha Shetty   **USN: 4MW21AI033**

Name of the Organization: CodeLab Systems

Week No: 2

Date	Activity	Signature of the External Guide
24/02/2025	During the second week of my AI/ML internship, I focused on loops, functions, and exception handling in Python. On the first day, I explored for and while loops, using break, continue, and pass for better control. I practiced by implementing mathematical sequences, pattern printing, and prime number identification.	
25/02/2025	On the second day, I focused on functions, covering their definition, arguments, return values, and recursion. I learned how to modularize code by breaking complex problems into smaller, reusable functions, enhancing efficiency and readability. To apply these concepts, I developed a calculator with separate functions for arithmetic operations, ensuring structured implementation. Additionally, I explored recursion by implementing a factorial program, understanding recursive calls and their role in solving problems like Fibonacci series and binary search.	
26/02/2025	On the third day, I explored anonymous functions (lambda functions) and higher-order functions like map, filter, and reduce, which helped in writing concise and efficient code. I applied these concepts to process data, such as filtering even numbers from a list, squaring elements using map, and computing cumulative sums with reduce. Additionally, I learned about function decorators, which allowed me to modify and extend function behavior dynamically, making code more modular and reusable.	
27/02/2025	On the fourth day, I focused on exception handling in Python, learning how to use try, except, finally, and raise statements to manage errors effectively. I implemented error-handling mechanisms in programs like a user authentication system that validated credentials and handled incorrect inputs gracefully. This helped me understand how to make programs more robust and prevent unexpected crashes.	
28/02/2025	On the final day, I applied all the concepts learned throughout the week to build a student management system. This project involved using loops for handling student records, functions for modular operations, and exception handling to manage invalid inputs. I also added features like searching, updating, and deleting student data, ensuring the program was efficient and user-friendly. This project reinforced my understanding of writing structured, error-free code and helped me gain practical experience in handling real-world data scenarios.	

Signature of the Internal Guide

DAILY ACTIVITY REPORT

Student Name: Raksha Shetty   **USN: 4MW21AI033**

Name of the Organization: CodeLab Systems

Week No: 3

Date	Activity	Signature of the External Guide
03/03/2025		
04/03/2025		
05/03/2025		
06/03/2025		
07/03/2025		

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DAILY ACTIVITY REPORT

Student Name: **USN: 4MW21AI033**

Name of the Organization:

Week No: 4

Date	Activity	Signature of the External Guide
10/03/2025		
11/03/2025		
12/03/2025		
13/03/2025		
14/03/2025		

Signature of the Internal Guide

ACTIVITY SUMMARY

Student Name: Raksha Shetty   **USN: 4MW21AI033**

Name of the Organization: CodeLab Systems

Nature of the Industry:
Intern duties: What were your specific duties and responsibilities during the internship?
Learning: What did you learn during the internship (please include specific skills and business/ organizational concepts)?
Guide Rating: Was your guide allotted in the industry helpful and instructive? Please give reasons and examples for your answer.
Internship Summary:

Signature of the Internal Guide   **Signature of Head of the Department**