**“CALCULATOR”**

***A Summer Internship Report submitted in partial fulfillment of the***

***requirements for the award of degree of***

**BACHELOR OF TECHNOLOGY**

**In**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

## Submitted by:

S.USHA NAIPUNYA

22MH1A0460



**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY (A)**

Approved by AICTE, Permanently affiliated to JNTUK & Accredited by NAAC with ‘A+’ Grade

**Recognized by UGC under the sections 2(f) and 12(B ) of the UGC Act 1956**

**Aditya Nagar, ADB Road –Surampalem 533437, East Godavari Dist.,A.P.**

**2024-2025**

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**ELECTRONICS AND COMMUNICATION ENGINEERING**

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**CERTIFICATE**

This is to certify that the Internship report entitled *“***CALCULATOR** *”*is being submitted by

**S.USHA NAIPUNYA (21MH1A0460)**

In partial fulfillment of the requirements for the award of the B.Tech degree in

**ELECTRONICS AND COMMUNICATION ENGINEERING**

for the academic year 2024-2025.

**InternshipCoordinator Head of the Department**

Guide Name: Mrs. K. Padmavathi DR. B. Kiran Kumar

Designation: Assistant Professor Professor,

Department: CSE-AIML CSE-AIML/IoT

**DECLARATION**

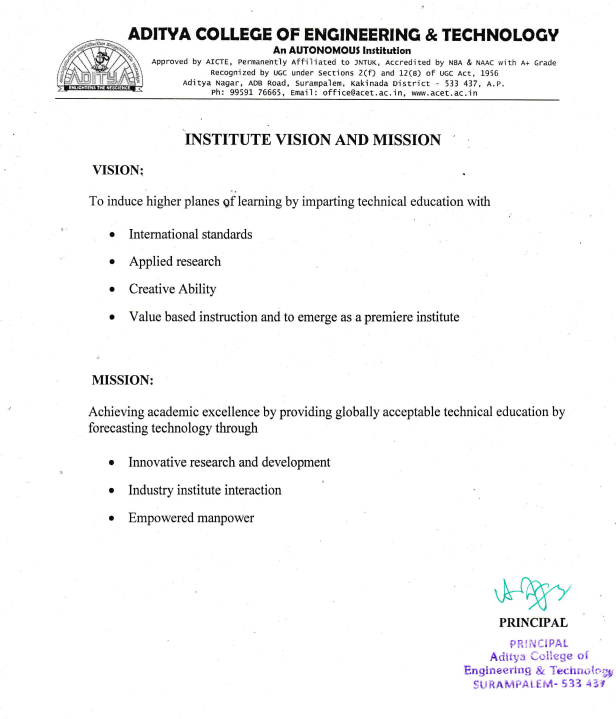
I hereby declare that the Internship entitled **“CALCULATOR ”** is a genuine report. This work has been submitted to the **ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY (A),** Surampalem, permanently affiliated to **JNTUK, KAKINADA** in partial fulfillment of the **B.Tech** degree**.**

I also hereby declare that this internship report not submitted in full or partial any other university for any degree.

**S.USHA NAIPUNYA**

**(21MH1A0460)**

**INSTITUTE VISION & MISSION**

****

**INTERNSHIP COMPLETION CERTIFICATE**

**ACKNOWLEDGEMENT**

I offer my sincere thanks to dynamic and beloved Principal, **Dr. A. Ramesh**, **Aditya College of Engineering & Technology(A)** for his co-operation.

My sincere thanks to Dr. B. Kiran Kumar, M.Tech., Ph.D, Head of the department of CSE-Artificial Intelligence and Machine Learning for his valuable support.

I express my sincere gratitude to my internship guide, Mrs. K. Padmavathi, Assistant Professor, Department of CSE-Artificial Intelligence & Machine Learning, for his/her valuable guidance and encouragement which has been helpful in successful completion of this internship.

With immense pleasure I would like to express my deep sense and heart full thanks to the management of Aditya College of Engineering & Technology (A).

**Learning Objectives/Internship Objectives**

1.

2.

3.

4.

And soon

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# CHAPTER 1: EXECUTIVE SUMMARY

# The internship report shall have only a one-page executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

# CHAPTER 2: OVERVIEW OF THE ORGANIZATION

# Suggestive contents:

# A. Introduction of the Organization

# B. Vision, Mission, and Values of the Organization

# C. Policy of the Organization, in relation to the intern role

# D. Organizational Structure

# E. Roles and responsibilities of the employees in which the intern is placed.

# F. Performance of the Organization in terms of turnover, profits, market reach and market value.

# G. Future Plans of the Organization.

# CHAPTER 3: INTERNSHIP PART

# Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

# WEEKLY OVERVIEW OF INTERNSHIP ACTIVITIES

**ACTIVITY LOG FOR THE FIRST WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **1st WEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| **03-06-2024** | **Monday** | **On-boarding and introduction to company** |
| **04-06-2024** | **Tuesday** | **Holiday** |
| **05-06-2024** | **Wednesday** | **Introduction to GitHub and Version Control System** |
| **06-06-2024** | **Thursday** | **Introduction to Operating Systems** |
| **07-06-2024** | **Friday** | **Working with Different Operating Systems** |
| **08-06-2024** | **Saturday** | **Introduction to Client-Server Architecture** |

**WEEKLY REPORT**

WEEK – 1 (From Dt………..….. to Dt………..….)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE SECOND WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| 2nd WEEK | DATE | DAY | NAME OF THE TOPIC/MODULE COMPLETED |
| 10-06-2024 | Monday | Different types of Servers |
| 11-06-2024 | Tuesday | Introduction to Networking |
| 12-06-2024 | Wednesday | Datacenters and Servers |
| 13-06-2024 | Thursday | Activity on infrastructure connectivity |
| 14-06-2024 | Friday | Introduction to Cloud Infrastructure |
| 15-06-2024 | Saturday | Cloud Computing Models |

**WEEKLY REPORT**

WEEK – 2 (From Dt 10-06-2024 to Dt 15-06-2024)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE THIRD WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **3rd WEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| 17-06-2024 | Monday | Holiday |
| 18-06-2024 | Tuesday | Cloud Services |
| 19-06-2024 | Wednesday | Introduction To Virtualization |
| 20-06-2024 | Thursday | Virtual Servers of Linux |
| 21-06-2024 | Friday | Activity on Cloud and Virtualization |
| 22-06-2024 | Saturday | Introduction to Linux OS |

**WEEKLY REPORT**

WEEK – 3 (From 17-06-2024to Dt 22-06-2024)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE FORTH WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **4thWEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| 24-06-2024 | Monday | Linux command syntax and basic commands |
| 25-06-2024 | Tuesday | Linux User and Groups |
| 26-06-2024 | Wednesday | Basic file and directory permission in Linux |
| 27-06-2024 | Thursday | Activity on Linux Operating System |
| 28-06-2024 | Friday | Introduction to AWS Services and Service Categories |
| 29-06-2024 | Saturday | Understanding AWS Management Console |

**WEEKLY REPORT**

WEEK – 4 (From Dt………..….. to Dt………..….)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE FIFTH WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **5thWEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| 01-07-2024 | Monday | AWS Regions and Availability Zones |
| 02-07-2024 | Tuesday | Introduction to AWS Compute Services |
| 03-07-2024 | Wednesday | Working with EC2 Service |
| 04-07-2024 | Thursday | Activity on AWS Management Console and EC2 Service |
| 05-07-2024 | Friday | Web application deployment on Windows Server using |
| 06-07-2024 | Saturday | EC2Web application deployment on Linux Server using |

**WEEKLY REPORT**

WEEK – 5 (From Dt 01-07-2024 to Dt 06-07-2024)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE SIXTH WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **6thWEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| 08-07-2024 | Monday | EC2Managing options for EC2 instance |
| 09-07-2024 | Tuesday | Ways of connecting to Linux EC2 instances using SSH. Sharing data between local and cloud EC2 instances |
| 10-07-2024 | Wednesday | Activity on web application deployment using EC2 compute service |
| 11-07-2024 | Thursday | Introduction to Storage technologies |
| 12-07-2024 | Friday | Block vs Object Storage services |
| 13-07-2024 | Saturday | Working with AWS S3 |

**WEEKLY REPORT**

WEEK – 6 (From Dt 08-07-2024to Dt 13-07-2024)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE SEVENTH WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **7thWEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| 15-07-2024 | Monday | Volumes and Snapshots using AWS Elastic Block Storage |
| 16-07-2024 | Tuesday | Working with EBS |
| 17-07-2024 | Wednesday | Holiday |
| 18-07-2024 | Thursday | Introduction to AWS Virtual Private Cloud and its components |
| 19-07-2024 | Friday | IPv4 Addressing and Subnetting |
| 20-07-2024 | Saturday | VPC Peering |

**WEEKLY REPORT**

WEEK – 7 (From Dt 15-07-2024 to Dt 20-07-2024)

Objective of the Activity Done:

Detailed Report:

**ACTIVITY LOG FOR THE EIGHTH WEEK**

|  |  |  |  |
| --- | --- | --- | --- |
| **8thWEEK** | **DATE** | **DAY** | **NAME OF THE TOPIC/MODULE COMPLETED** |
| 22-07-2024 | Monday | Setting up Elastic Load Balancer to EC2 Instances |
| 23-07-2024 | Tuesday | Creation of Auto Scaling Instances |
| 24-07-2024 | Wednesday | AI & ML Introduction |
| 25-07-2024 | Thursday | AWS AI Services Overview & API’s |
| 26-07-2024 | Friday | Project Deployment |
| 27-07-2024 | Saturday | Project Deployment |

**WEEKLY REPORT**

WEEK – 8 (From 22-07-2024 to Dt 27-07-2024)

Objective of the Activity Done:

Detailed Report:

**CHAPTER 5: OUTCOMES DESCRIPTION**

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

**Student Self Evaluation of the Short-Term Internship**

**Student Name:**

**Registration No:**

**Duration of Internship:**

**From: To:**

**Date of Evaluation:**

**Organization Name & Address**:

Please rate your performance in the following areas:

**Rating Scale: Letter grade of CGPA calculation to be provided**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Oral communication | 1 | 2 | 3 | 4 | 5 |
| 2 | Written communication | 1 | 2 | 3 | 4 | 5 |
| 3 | Interaction ability with community | 1 | 2 | 3 | 4 | 5 |
| 4 | Positive Attitude | 1 | 2 | 3 | 4 | 5 |
| 5 | Self-confidence | 1 | 2 | 3 | 4 | 5 |
| 6 | Ability to learn | 1 | 2 | 3 | 4 | 5 |
| 7 | Work Plan and organization | 1 | 2 | 3 | 4 | 5 |
| 8 | Quality of work done | 1 | 2 | 3 | 4 | 5 |
| 9 | Time Management | 1 | 2 | 3 | 4 | 5 |
| 10 | Achievement of Desired Outcomes | 1 | 2 | 3 | 4 | 5 |
| **OVERALL PERFORMANCE** | |  |  |  |  |  |

Student Signature

**Evaluation by the Supervisor of the Intern Organization**

**Student Name:**

**Registration No:**

**Duration of Internship:**

**From: To:**

**Date of Evaluation:**

**Organization Name & Address**:

**Name & Address of the Supervisor with Mobile Number**

Please rate the student’s performance in the following areas:

Please note that your evaluation shall be done independent of the Student’s selfevaluation

**Rating Scale: 1 is lowest and 5 is highest rank**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Oral communication | 1 | 2 | 3 | 4 | 5 |
| 2 | Written communication | 1 | 2 | 3 | 4 | 5 |
| 3 | Interaction ability with community | 1 | 2 | 3 | 4 | 5 |
| 4 | Positive Attitude | 1 | 2 | 3 | 4 | 5 |
| 5 | Self-confidence | 1 | 2 | 3 | 4 | 5 |
| 6 | Ability to learn | 1 | 2 | 3 | 4 | 5 |
| 7 | Work Plan and organization | 1 | 2 | 3 | 4 | 5 |
| 8 | Quality of work done | 1 | 2 | 3 | 4 | 5 |
| 9 | Time Management | 1 | 2 | 3 | 4 | 5 |
| 10 | Achievement of Desired Outcomes | 1 | 2 | 3 | 4 | 5 |
| **OVERALL PERFORMANCE** | |  |  |  |  |  |

**Signature of the Supervisor**

**PHOTOS & VIDEO LINK**