



# GOVERNMENT DEGREE COLLEGE RAMPACHODAVARAM

(Affiliated to Adikavi Nannaya University)

Devipatnam Road, Rampachodavaram - 533288, Alluri Sitharama Raju Dist, A.P. INDIA

ISO9001 : 2015, ISO14001 : 2015, ISO50001 : 2018, Certified Organization

Accredited by NAAC with "B" Grade



## DEPARTMENT OF COMPUTER APPLICATIONS

### INTERNSHIP REPORT on "Machine Learning with Python"

Institution : Government Degree College, Rampachodavaram  
Course : VI Semester B.Com (General)  
Academic Year : 2025–2026  
Duration : 15 Weeks (Online)  
Internship Organization: OTP Technologies,  
Eluru, Andhra Pradesh Evaluation

#### Student Details:

GOVERNMENT DEGREE COLLEGE, RAMPACHODAVARAM.			
2025-2026 (A Y),VI SEMESTER INTERNSHIP STUDENTS DATA			
S.NO	ADMI NO	REG NO	NAME OF THE STUDENT
1	5188	2310181101001	CH.DURGA BHAVANI
2	5189	2310181101002	CH.DEEPIKA
3	5254	2310181101003	DUDA SAMEERA
4	5250	2310181101006	K.VISWESWARI
5	5215	2310181101007	K.PARVATHI
6	5141	2310181101009	M.RENUKA
7	5187	2310181101010	P.KEERTHANA
8	5178	2310181101011	P.HARISH BABU
9	5226	2310181101012	P.SRI DEVI
10	5247	2310181101013	P.SURESH REDDY
11	5212	2310181101015	P.RAMA DEVI
12	5179	2310181101017	S.RAMANA REDDY
13	5238	2310181101018	S.SURYA NARAYANA REDDY
14	5209	2310181101019	V.BAPANAMMA

## Introduction

The VI Semester B.Com (General) students of Government Degree College, Rampachodavaram successfully completed a **15-week online internship programme** on *“Machine Learning with Python”* conducted by **OTP Technologies, Eluru, Andhra Pradesh**.

This internship provided students with both theoretical knowledge and practical exposure to modern technologies, especially in the field of Machine Learning.

## 2. Objectives of the Internship

- To understand the fundamentals of Machine Learning
- To learn Python programming for data analysis
- To develop analytical and problem-solving skills
- To apply knowledge in real-world scenarios

## 3. About the Organization

OTP Technologies, located in Eluru, Andhra Pradesh, is a well-known training organization offering internships and skill development programmes in emerging technologies such as Machine Learning, Data Science, and Artificial Intelligence.

## 4. Internship Structure

The internship was conducted in **online mode for 15 weeks**, which included:

- Weekly training sessions
- Practical coding exercises
- Assignments
- Mini-projects and final project

## 5. Skills Acquired

During the internship, students learned:

- Python Programming
- Data Visualization (Matplotlib)

- Machine Learning Algorithms
- Model Building and Evaluation

## **6. Projects Undertaken**

At the end of the internship, a group of five students completed the following projects:

### **1. Crop Yield Prediction**

- Predicts agricultural output based on factors like rainfall, soil type, and temperature

### **2. Movie Success Prediction**

- Predicts movie success using factors like budget, genre, and ratings

### **3. Spam Message Prediction**

- Classifies messages as spam or non-spam using machine learning techniques

## **7. Challenges Faced**

- Difficulty in understanding programming concepts initially
- Debugging errors in Python code
- Managing time for assignments and projects

## **8. Outcomes of the Internship**

- Improved technical and analytical skills
- Hands-on experience in Machine Learning
- Better teamwork and collaboration
- Ability to work with real-time data

## **9. Conclusion**

The 15-week internship programme on “*Machine Learning with Python*” was highly beneficial for the students. It helped bridge the gap between theoretical knowledge and practical application, preparing them for future career opportunities in the field of data science and technology.

