**THIRD YEAR INDUSTRIAL TRAINING SEMINAR REPORT**

## PYTHON

Submitted in partial fulfilment of the degree of Bachelor of Technology Rajasthan Technical University



By

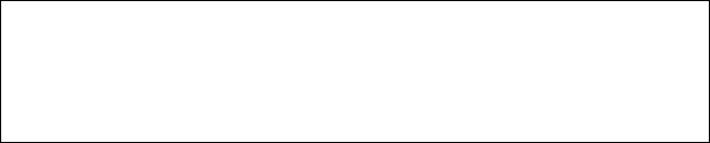
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DEPARTMENT OF COMPUTER SCIENCE AND

ENGINEERING GOVERNMENT COLLEGE

(Academic Year 2022-23)





**RAJASTHAN TECHNICAL UNIVERSITY**

**GOVERNMENT ENGINEERING COLLEGE BHARATPUR**

### CERTIFICATE

This is to certify that Second Year Practical Training Seminar Report entitled “**PYTHON**” has been submitted by “Latesh sharma 20EELCS029” for partial fulfilment of the Degree of Bachelor of Technology of Rajasthan Technical University. It is found satisfactory and approved for submission.

Date: 10-Jan-2023

|  |  |
| --- | --- |
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# Company Certificate



### DECLARATION

I hereby declare that the seminar report entitled “Python**”** was carried out and written by me under the guidance of Mr. Prashant Baheti, Assistant Professor, Department of Computer Engineering, Poornima Institute of Engineering & Technology, Jaipur. This work has not been previously formed the basis for the award of any degree or diploma or certificate nor has been submitted elsewhere for the award of any degree or diploma.

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**ACKNOWLEDGEMENT**

A project of such a vast coverage cannot be realized without help from numerous sources and people in the organization. I am thankful to **Mr. Ravi Gupta, Director, GEC** for providing me a platform to carry out such a training successfully.

I am also very grateful to **MR. PRASHANT BHATI(HOD, CSE)** for his kind support.

I would like to take this opportunity to show my gratitude towards **Prashant baheti sir**who helped me in successful completion of my First Year Industrial Training. They have guided, motivated & were source of inspiration for me to carry out the necessary proceedings for the training to be completed successfully.

I am also grateful to the **Sumit Sir** for his guidance and support.

I am also privileged to have **Mrs Bundesh mam** flourished me with his/her/their valuable facilities without which this work cannot be completed.

I would also like to express my hearts felt appreciation to all of my friends whose direct or indirect suggestions help me to develop this project [and to entire team members for their valuable suggestions.

Lastly, thanks to all faculty members of Computer Engineering department for their moral support and guidance.

### Submitted By

**Latesh sharma**

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**ABSTRACT**

Python encompasses a set of principles, problem definitions, algorithms, and processes for extracting nonobvious and useful patterns from large data sets. Many of the elements of python have been developed in related fields such as machine learning and data mining.

In fact, the terms python, machine learning, and data mining are often used interchangeably. The commonality across these disciplines is a focus on improving decision making through the analysis of data. However, although python borrows from these other fields, it is broader in scope. Machine learning (ML) focuses on the design and evaluation of algorithms for extracting patterns from data. Data mining generally deals with the analysis of structured data and often implies an emphasis on commercial applications. Python takes all of these considerations into account but also takes up other challenges, such as the capturing, cleaning, and transforming of unstructured social media and web data; the use of big-data technologies to store and process big, unstructured data sets; and questions related to data ethics and regulation.

Python has been established as an important emergent scientific field and paradigm driving research evolution in such disciplines as statistics, computing science and intelligence science, and practical transformation in such domains as science, engineering, the public sector, business, social sci­ence, and lifestyle. The field encompasses the larger ar­eas of artificial intelligence, data analytics, machine learning, pattern recognition, natural language understanding, and big data manipulation.

**Subject Descriptors:**

8 CS 1 Introduction to Python

6 CS 4 Python for Python

5 CS 4 Statistics for Python

4 CS 3 Implementation of Python with Python

# TABLE OF CONTENTS

|  |  |  |
| --- | --- | --- |
| **CHAPTER** | **PARTICULARS** | **PAGE NO.** |
|  | Title | i |
|  | Certificate by the Department | ii |
|  | Certificate – Python in Python | iii |
|  | Declaration | Iv |
|  | Acknowledgement | V |
|  | Abstract | vi |
|  | List of Table | vii |
|  | List of Figures | Viii |
|  | List of Abbreviations | Ix |
| 1 | Introduction to “Python”  1.1 Overview of Python  1.2 Basic of Python  1.3 Libraries used in Python  1.4 Tasks 1 (Logic Implementation in Python)  1.5 Task 2  1.6 Reason for Selecting this Course  1.7 Some Course Outcomes |  |
| 2 | Internship Platform “Yoshop”  2.1 Introduction to Yoshop  2.2 Benefits of Selecting Yoshop as Platfform |  |
| 3 | Statistic For Python  3.1 Requirement of Statistic for Python  3.2 Classification of Data Model  3.3 Data Collection  3.4 Measure of Central Tendency  3.5 Measure of Variability  3.6 Measure of Relationship  3.7 Measure of Accuracy |  |  | Conclusion  4.1 Through this Course I learned:  4.5 What is the Necessity of Web Development? |  |
| 4 | Machine Learning For Python  4.1 Data Extraction and Transformation Tools  4.2 Type of Data Extraction and Transformation  4.3 API Integration tools  4.4 Notification tools  4.5 Types of Notification tools used in Price Tracker  4.6 Git & Git Hub |  |  |  |  |

|  |  |
| --- | --- |
| 5 | Introduction To web Scraping  5.1 Tools Required for Web Scrapping  5.2 Task 6  5.7 Task 7 |
| 6 | Project  6.1 Minor Project  6.2 Major Project – Price Tracker |
| 7 | Conclusion  7.1 Through this Internship I learned:  7.2 What is the Necessity of Python? |
| 8 | Learning Outcomes  Of Python |
| 9 | Future scope of Python |

**LIST OF Figures**

|  |  |  |
| --- | --- | --- |
| **Figure No.** | **Particulars** | **Page No.** |
| 1.1 | Company Logo | 01 |
| 1.3 | Python Libraries | 05 |
| 1.7 | Python | 05 |
| 3.7 | Statistics | 13 |
| 4.5 | Git & Git hub | 16 |
| 6.1 | Screenshot 1 | 29 |
| 6.2 | Screenshot 2 | 30 |
| 6.3 | Screenshot 3 | 30 |
| 6.4 | Screenshot 4 | 31 |
| 6.5 | Screenshot 5 | 32 |
| 6.6  6.7 | Screenshot 6  Screenshot 7 | 32  33 |