### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

**“Jnana Sangama”**, **Belagavi, Karnataka– 590 018**



***A***

***Report***

***on***

**PYTHON**

*Submitted for the partial fulfilment of academic requirements for IV Semester*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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**INSTITUTE OF TECHNOLOGY**

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**AIM**

**Python is an Interpreted language,often to build website and software,automate tasks,conduct data analysis and it is genaral purpose language .**

**Meaning it can be used to create a variety of different programs and isn’t specialized for any specific problems.**

**It is widely used in various business sectors, such as programming, web development, machine learning, and data science.**

**Not only is Python programming easy to learn, but it’s also one of the**

**Most secure computer programming languages thanks to the OWASP Python Security Project.**

**This project helps programmers create a “hardened version” more**

**resistant to attacks and manipulations. Approaching the problem from**

**three different angles, developers can use white-box and black-box**

**analyses.**

**Develop security-hardened Python suited for high-risk and**

**high-security environments.**

Table of Contents

* [Demo: Your Python Quiz Application](https://realpython.com/python-quiz-application/#demo-your-python-quiz-application)
* [Project Overview](https://realpython.com/python-quiz-application/#project-overview)
* [Prerequisites](https://realpython.com/python-quiz-application/#prerequisites)
* [Step 1: Ask Questions](https://realpython.com/python-quiz-application/#step-1-ask-questions)
  + [Get User Information With input()](https://realpython.com/python-quiz-application/#get-user-information-with-input)
  + [Use Lists and Tuples to Avoid Repetitive Code](https://realpython.com/python-quiz-application/#use-lists-and-tuples-to-avoid-repetitive-code)
  + [Provide Multiple Choices](https://realpython.com/python-quiz-application/#provide-multiple-choices)
* [Step 2: Make Your Application User-Friendly](https://realpython.com/python-quiz-application/#step-2-make-your-application-user-friendly)
  + [Format the Output More Nicely](https://realpython.com/python-quiz-application/#format-the-output-more-nicely)
  + [Keep Score](https://realpython.com/python-quiz-application/#keep-score)
  + [Handle User Errors](https://realpython.com/python-quiz-application/#handle-user-errors)
  + [Add Variety to Your Quiz](https://realpython.com/python-quiz-application/#add-variety-to-your-quiz)
* [Step 3: Organize Your Code With Functions](https://realpython.com/python-quiz-application/#step-3-organize-your-code-with-functions)
  + [Prepare Data](https://realpython.com/python-quiz-application/#prepare-data)
  + [Ask Questions](https://realpython.com/python-quiz-application/#ask-questions)
* [Step 4: Separate Data Into Its Own File](https://realpython.com/python-quiz-application/#step-4-separate-data-into-its-own-file)
  + [Move Questions to a TOML File](https://realpython.com/python-quiz-application/#move-questions-to-a-toml-file)
  + [Add Flexibility to Your Data Format](https://realpython.com/python-quiz-application/#add-flexibility-to-your-data-format)
* [Step 5: Expand Your Quiz Functionality](https://realpython.com/python-quiz-application/#step-5-expand-your-quiz-functionality)
  + [Allow Multiple Correct Answers](https://realpython.com/python-quiz-application/#allow-multiple-correct-answers)
  + [Add Hints to Help the User](https://realpython.com/python-quiz-application/#add-hints-to-help-the-user)
  + [Add Explanations to Reinforce Learning](https://realpython.com/python-quiz-application/#add-explanations-to-reinforce-learning)
* [Step 6: Support Several Quiz Topics](https://realpython.com/python-quiz-application/#step-6-support-several-quiz-topics)
* [Conclusion](https://realpython.com/python-quiz-application/#conclusion)
* [Next Steps](https://realpython.com/python-quiz-application/#next-steps)

**PROGRAM**

### 1. A Quiz Game in Python

This is a very simple text-based game in python. It a small quiz which you can make for yourself as well or your friends. We do not need to import any modules for this game which makes it easier! Try it yourself 😉

Here are use:

* [if-else statement](https://www.askpython.com/python/python-if-else-elif-statement) – For checking answers
* [Print statement](https://www.askpython.com/python/built-in-methods/python-print-function) – for printing outputs

|  |
| --- |
| print('Welcome to AskPython Quiz')  answer**=**input('Are you ready to play the Quiz ? (yes/no) :')  score**=**0  total\_questions**=**3    **if** answer.lower()**==**'yes':      answer**=**input('Question 1: What is your Favourite programming  language?')  **if** answer.lower()**==**'python':          score **+=** 1          print('correct')  **else**:          print('Wrong Answer :(')          answer**=**input('Question 2: Do you follow any author on AskPython?')  **if** answer.lower()**==**'yes':          score **+=** 1          print('correct')  **else**:          print('Wrong Answer :(')        answer**=**input('Question 3: What is the name of your favourite  website for learning Python?')  **if** answer.lower()**==**'askpython':          score **+=** 1          print('correct')  **else**:          print('Wrong Answer :(')    print('Thankyou for Playing this small quiz game, you attempted',  score,"questions correctly!")  mark**=**(score**/**total\_questions)**\***100  print('Marks obtained:',mark)  print('BYE!') |

**Output:**

|  |
| --- |
| Welcome to AskPython Quiz  Are you ready to play the Quiz ? (yes**/**no) :yes  Question 1: What **is** your Favourite programming language?python  correct  Question 2: Do you follow any author on AskPython? yes  correct  Question 3: What **is** the name of your favourite website **for** learning  Python?askpython  correct  Thankyou **for** Playing this small quiz game, you attempted 3 questions  correctly!  Marks obtained: 100.0  BYE! |

**OUTCOME OF THE SOCIAL CONNECT**

Understood about the social responsibility, practiced sustainability and creativity and also showcased planning and organizational skills. Got a deep knowledge of societal challenges being addressed by NGO(s), social enterprises and the government and tried to build solutions to alleviate these complex social problems through immersion, design & technology. Also, this activity provided us a formal platform to communicate and connect with our surroundings. Social Connect activities enabled us to create a responsible connection with society.

i

**CONTENTS**

**ACKNOWLEDGEMENTS**

**OUTCOME OF THE SOCIAL CONNECT i**

**LIST OF FIGURES iv**

**LIST OF TABLES v**

## CHAPTER 1 PLANTATION AND ADOPTATION OF A TREE 01

## 1.1 Introduction 01

1.2 Details of the Activity 02

**CHAPTER 2 HERITAGE TOUR 05**

## 2.1 Introduction 06

2.2 Details of the Activity 07

**CHAPTER 3 ORGANIC FARMING AND WASTE MANAGEMENT 08**

3.1 Introduction 08

3.2 Organic Farming 09

3.2.1 Importance and Benefits 10

3.2.2 Details of the Activity 11

3.3 Waste Management 12

3.3.1 Importance and Benefits 13

3.3.2 Details of the Activity 14

**CHAPTER 4 WATER CONSERVATION 15**

## 4.1 Introduction 16

4.2 Traditional Water Conservation Practices 17

4.3 Details of the Activity 18

**CHAPTER 5 FOOD WALK 19**

## 5.1 Introduction 19

5.2 Regional Foods, Medicinal Values of Food Grains & Plants 20

5.3 Details of the Activity 21

**CONCLUSION 22**

**BIBILIOGRAPHY 23**

iii

**LIST OF FIGURES**

|  |  |  |
| --- | --- | --- |
| **Figure No.** | **Description** | **Page No.** |
| 4.1 | Machine Learning and Deep Learning | 15 |
| 4.2 | Basic CNN Architecture | 16 |
| 5.1 | System Architecture of Emotion based Music Player | 20 |
| 5.2 | Flow Chart of Emotion based Music Player | 21 |
| 5.3 | Use case diagram of Emotion based Music Player | 23 |
| 5.4 | Sequence diagram of Emotion based Music Player | 24 |
| 6.1 | Home page of Face Emotion based Music Player | 30 |
| 6.2 | Happy Test Case of Face Emotion based Music Player | 31 |
| 6.3 | Angry Test Case of Face Emotion based Music Player | 32 |
| 6.4 | Neutral Test Case of Face Emotion based Music Player | 33 |
| 6.5 | Sad Test Case of Face Emotion based Music Player | 34 |
| 6.6 | Face passing over the frame or Multiple faces detection alert message | 35 |
| 6.7 | Training Process | 35 |

iv

**LIST OF TABLES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | **Table No.** | **Description** | **Page No.** | | 7.1 | Test Cases of Face Emotion based Music Player | 36 | |

v