

Department of Electrical Engineering

Assignment

Date: 07/05/2020

Course Details

Course Title: Programming Fundamentals

Module: 02

Instructor: _____

Total Marks: 20

Student Details

Name: _____

Student ID: _____

Q1.	(a)	Write a Guess the Word program in Python, The user needs to be able to input letter guesses. A limit should also be set on how many guesses they can use. This means you'll need a way to grab a word to use for guessing, this can be grabbed from a pre-made list. You will also need functions to check if the user has actually inputted a single letter, to check if the inputted letter is in the hidden word (and if it is, how many times it appears), to print letters, and a counter variable to limit guesses.	Marks 5
			CLO 2
Q2.	(a)	Write a Password Generator program in Python, which generates a random password for the user. Ask the user how long they want their password to be (minimum 8 to 15 characters), how many letters, symbols and numbers they want in their password. Password generated MUST have a mix of upper and lowercase letters, as well as numbers and symbols	Marks 10
			CLO 1
Q3.	(a)	Write a Message Encryption Decryption program in Python, The user will input any text and your program must encrypt the text by using Base64 or HEX. The text must then be decrypted from the encrypted form to show that the decrypted text is the original form.	Marks 10
			CLO 1