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# **Faculty of Engineering**

Student-2 Signature

Department of Electrical and Computer Engineering

ExaminersMark		ModeratedMark	
Total Marks = [	% Lecturer Signature	Total Marks = [	]% Student Signature
_	Prograr  Electronic and Telecommu Engineering (08BEEP), BEn Industrial Engine Programming for Engir	nication Engineering (08 ng. Mechanical Engineer ering (08BIND)	-
	MINI PRO	JECT 1	
TOTAL MARKS: 100			
	ISSUED: 27 DUE: 20 June 2021 @	•	
EXAMINER: MODERATOR: INSTRUCTIONS TO CAN	Ms. Aili Shigwedha Dr. Zacchaeus Oyedokun		
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	Plagiarism de	eclaration:	
2. We declare that to 3. We have not allo his or her own work	at copying someone else's solution	e my own work. copy my work with the intention	on of passing it off as
Student-1 Signatur	 P	Date	

## PROJECT DESCRIPTION:

#### 1. PROBLEM SOURCE:

Course Textbook: A Practical Introduction to Python Programming, Chapter 9 & 13

#### 2. YOUR TASK:

- 1. Complete the set of problems individually assigned to you (see attached file).
- 2. You will notice that the same problems were previously assigned to you in Lab 2
- 3. This time you need to develop a GUI interface for your Python programs.
- 4. The type of GUI components and layout is left to you as a students to decide. Please be creative.
- 5. Upload your solution to myNUST before the due date.

#### 3. GUI MINIMUM REQUIREMENTS:

At minimum your GUI application should at least incorporate the following widgets: an entry box, an output label, a button, a title bar and colours

#### 4. DELIVERABLE & WEIGHT:

- 1. Your Python source codes ---- [50%]
- GUI layout and creativity ---- [30%]
   Project report (see suggestions for section headings ) ---- [20%]

## 5. PROJECT REPORT (this is a guideline only, be logical and creative):

- Cover page
   Table of Contents
   Introduction
- 4. Project Description
- 5. Project Objective
- 6. Design Procedure narrate how you arrive to your solution
- 7. Project Results describe your final solution
- 8. Challenges and Solutions if any
- 9. Conclusion
- 10. References (Use APA referencing style)
- 11. Appendix: Source codes & any additional info

### 6. INTERNET REFERENCES FOR TKINTER (PYTHON GUI):

- http://www.effbot.org/tkinterbook/entry.htm
- https://docs.python.org/3/library/tk.html

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