Programming 1

Baelo Course Information			
Course Number	01005082	Subject Category	Compulsory(Gi
Class Format	Lecture	Credit Type and Number of Credits	0.5
Department	Mechatronics	Student Category	Year 1
Period of Study	Semester 1	Classes per Week	1
Required Materials	Laptop. Coding program (PyCharm. VScode), Google Colab (Optional). Materials will be uploaded in Google Classroom.		

urse Objective

disets can undestand and explain introduction to computer programing by using Python language. Students can
festand and explain the basic computer programming of python language such as. "Variables, expressions and
tenents". "Conditional execution", feration." Strings. "Lats. "Luble." Set." Dictionaries. "Files", and "Functions"
under its explications."

Evaluation (Rubrio)	Ideal Level of Achievement (Very Good)	Standard Level of Achievement (Good)	Unacceptable Level of Achievement (Fail)
Can explain how to write basic programs by using Python.	Can explain how to write basic programs by using Python detailedly and precisely,	write basic programs	Can't explain how to write basic programs by using Python.
Can implement basic programs by using Python,	programs by using Python	Can implement basic programs by using Python.	Can't implement basic programs by using Python.
Can solve problems by using computer programs of Python.	Can solve problems by using computer programs of Python detailedly and precisely.	Can solve problems by using computer programs of Python.	Can't solve problems by using computer programs of Python.

Relationship with Learning Outcomes

C(1) Ability to operate and administer the computer software and hardware

C(2) Ability to understand the operating system and to develop software to solve specific problems.

Lecture and practice the basic computer programming such as. "Variables expressions and statements", "Conditional execution," Iteration, "Strings, "Liefs, "Lubles, "Set," Dictionaries, "Files", and Functions Cisse Format: Lacture, Practice and Horowork Assignments
Please Note: The Midterm report (Quiz score) and Final examination will provided.

Course Plen			1
Course Plan Semester 1	Contents and Method of Course	Goals	Related MCC
1st week	Guidance: Besic statements of Python	Guidance: Basic statements of Python	
2nd week	Variables, expressions, operations and statements	Understanding Variables, expressions, operations and statements	V-A 7 157 V-A 7 158
3rd week	Variables, expressions, operations and statements	Understanding Variables, expressions, operations and statements	V-A 7 159 V-A 7 160 V-A 7 161
4th week	Conditional Execution and Flowchart	Understanding Conditional Execution and Flowchart	V-A 7 160
5th week	Conditional Execution and Flowchart	Understanding Conditional Execution and Flowchart	V-A 7 160 V-A 7 162
6th week	loop with while and for	Understanding loop with while and for	V-A 7 163
7th week	loop with while and for	Understanding loop with while and for	V-A 7 163
8th week	Review week 1st-7th class and Midterm report	Review week 1st-7th and Midterm report	
	Midterm Examination	No exam	
9h week	Midterm report feedback	Understanding mid-term report	
	Friday class 07/20/2023		
10th week	Text Strings	Understanding Text Strings	V-A 7 158
11th week	List, and Tuples	Understanding List, and Tuples	V-A 7 164
12th week	Dictionary	Understanding Dictionary	
13th week	Functions	Understanding Functions	V-A 7 156 V-A 7 161
14th week	Functions	Understanding Functions	V-A 7 156 V-A 7 161
15th week	Functions	Understanding Functions	V-A 7 156 V-A 7 161
16th week	Preparing for final Examination	Preparing for final Examination	
	Final Examination	Final Examination	
	Final Examination	Final Examination	
17th week	Review and feedback final exam	Review and feedback final exam	