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(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)
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Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.
SMVITM

DEPARTMENT OF MECHANICAL ENGINEERING

Student list of Value added Course on Python Programming

Duration : From: 13/06/2022 **To:** 17/06/2022

Participants list

S. No.	Sem	USN	Name	Signature
1	8	4MW17ME009	ANIRUDH V AMIN	
2	8	4MW17ME026	MANISH M J	
3	8	4MW17ME028	MAREN MARTIN PINTO	
4	8	4MW17ME033	MOOLYA JATHAN JAYA	
5	8	4MW17ME051	S SUBRAMANYA PRABHU	
6	8	4MW18ME001	AMISH SHEREGAR	
7	8	4MW18ME002	ANTONY SHARON DSOUZA	
8	8	4MW18ME005	CLEMENT JOHNSON DSOUZA	
9	8	4MW18ME006	DHANISH H AMIN	
10	8	4MW18ME007	DHRUVA SHETTY	
11	8	4MW18ME008	GAURAV S ACHARYA	
12	8	4MW18ME009	JANESH SHETTY	
13	8	4MW18ME010	AKSHAY K RAO(K AKSHAY RAO)	
14	8	4MW18ME011	K DAMODHAR BHAT	
15	8	4MW18ME012	KISHAN M	
16	8	4MW18ME014	MOHAMMED SAYEEM	
17	8	4MW18ME015	NAGESH	
18	8	4MW18ME016	NANDANA S S	
19	8	4MW18ME017	NIKHIL SHETTY	
20	8	4MW18ME018	NIKHILESH	
21	8	4MW18ME019	PAI SUJAY MOHAN	
22	8	4MW18ME020	RAJATH KUMAR	
23	8	4MW18ME021	RAMESH	
24	8	4MW18ME023	SAURAV	
25	8	4MW18ME024	SHOBITH HEGDE	
26	8	4MW18ME026	SRIJAN N SUVARNA	
27	8	4MW18ME027	SURAJ ACHARYA	
28	8	4MW18ME028	TUSHAR G SHENOY	

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Value added program on Python Programming to be held on 13 – 17 June 2022

Course outcomes:

CO1: To familiarize the students regarding various command used in Python programming.
CO2: To understand the structure of python program for various problems.
CO3: To write program for solving simple mathematical problems using python programming.

Mapping of Course Outcomes of this Value added program with program outcomes of mechanical engineering UG program

	Engineering Knowledge	Problem Analysis	Design & Development of Solutions	Conduct Investigations of Complex Problems	Usage of Modern Tools	Engineer & Society	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Management & Finance	Life-long Learning	Apply the concepts of engineering mechanics, materials science, design, manufacturing, management & CAD/CAM to develop mechanical engineering systems.	Apply the knowledge acquired in thermal, fluid and energy systems in contributing towards sustainable societal development.
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1					X									
CO2		X	X	X	X									
CO3		X	X	X	X									

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Assessment method used: Quiz

Assessment questions

Qn. No.	Question	Relevant CO
1	In Python we can create a popup menu. Select the code to display a popup menu? A - Menu.post(250,250) B - Menu.post() C - Menu.display() D - Menu.display_popup(250,250)	CO2
2	In the following options which are python libraries which are used for data analysis and scientific computations A - Numpy B - Scipy C - Pandas D - All the above	CO1
3	Which is the special symbol used in python to add comments? A - $ B - // C - /*.... */ D - #	CO1

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4	Which among them is incorrect for set s={100,101,102,103} A - Len(s) B - Sum(s) C - Print(s[3]) D - Max(s)	
5	What is output for −2 * 2 **3 A - 12 B - 64 C - 16 D - 36	CO2
6	What is the output of the following program : def myfunc(a): a = a + 2 a = a * 2 return a print myfunc(2) A - 8 B - 16 C - Indentation Error D - Runtime Error	CO3
7	What is the output of the expression : 3*1**3 A - 27 B - 9 C - 3 D - 1	CO2
8	What is the output of the following program : print '{0:.2}'.format(1.0 / 3) A - 0.333333 B - 0.33 C - 0.333333:-2 D - Error	CO2

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9	What is the output of the following program : print '{0:-2%}'.format(1.0 / 3) A - 0.33 B - 0.33% C - 33.33% D - 33%	CO2

10	What is the output of the following program :
	i = 0
	while i < 3:
	  print i
	  i += 1
	else:
	print 0
	
	A - 0 1 2 3 0
	B - 0 1 2 0
	C - 0 1 2
	D - Error
		CO3

11	What is the output of the following program :
	i = 0
	while i < 5:
	print(i)
	i += 1
	if i == 3:
	break
	else:
	print(0)
	
	A - 0 1 2 0
	B - 0 1 2
	C - Error
	D - None of the above
		CO3

12	What is the output of the following program : print 'cd'.partition('cd') A - ('cd') B - (") C - ('cd', ", ") D - (", 'cd', ")	CO2

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13	What is the output of the following program : print 'abef'.partition('cd') A - ('abef') B - ('abef', 'cd', '') C - ('abef', '', '') D - Error	CO2
14	What is the output of the following program : print 'abcefd'.replace('cd', '12') A - ab1ef2 B - abcefd C - ab1efd D - ab12ed2	CO2
15	What will be displayed by the following code? def f(value, values): v = 1 values[0] = 44 t = 3 v = [1, 2, 3] f(t, v) print(t, v[0]) A- 1 1 B- 1 44 C- 3 1 D- 3 44	CO3
16	What is the output of the following code? var = "James" * 2 * 3 print(var) A - JamesJamesJamesJamesJamesJames B - JamesJamesJamesJamesJames C - Error: invalid syntax D – None of the above	CO2
17	The in operator is used to check if a value exists within an iterable object container such as a list. Evaluate to True if it finds a variable in the specified sequence and False otherwise. A - True B - False	CO1
18	A string is immutable in Python? Every time when we modify the string, Python Always create a new String and assign a new string to that variable. A- True B- False	

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19	Discuss the outcome of the code?
	def func1(n):
	  if(n==0):
	  return 0
	  else:
	  return(n+func1(n-1))
	def func2(n, result):
	  if(n==0):
	  return(result)
	  else:
	  return(func2(n-1, n+result))
	print(func1(4))
	print(func2(4,0))
	
	A - Func1 is tail recursion.
	
	B - Func1 and Func2 are tail recursions.
	
	C - Func2 is only tail recursion.
	
	D - Neither Func2 nor Func1 is tail recursion.
		CO3

20	What is the output of the following code?
	class P:
	  def __init__(self):
	  self.__x=100
	  self.y=200
	  def print(self):
	  print(self.__x, self.y)
	class C(P):
	  def __init__(self):
	  super().__init__()
	  self.__x=300
	  self.y=400
	d = C()
	d.print()
	A - 300 400
	B - 100 400
	C - 100 200
	D - 300 200
		CO3

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CERTIFICATE

This is to certify that. MANISH M J of Mechanical Engineering Department has successfully completed value added course on PYTHON Programming held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal. On 13-17 June 2022.

for DR. GAJANAN ANNE
HOD, ME
Associate Professor & Head
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DR. THIRUMALESHWARA BHAT
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