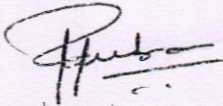# Academic Year 2021-22

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
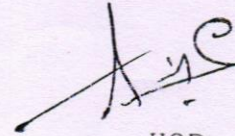
Date: 04/09/2021

Circular

It is hereby informed to all 7th semester students whom have enrolled for Training Program on "Python with Machine Learning" from "06/09/2021 to 18/09/2021" in Tech Fortune, Bangaloreto attend the training course without fail.
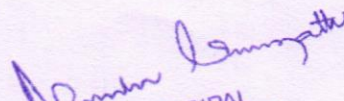
Coordinator

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SIET, TUMAKURU

HOD

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Dept of E&C
SIET, Tumkur-6

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SIET., TUMAKURU.
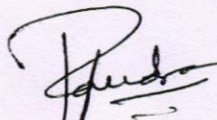
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 29/8/2021

Circular

It is hereby informed to all 5th semester students that the "Machine Learning With Python" training course from "4th OCT 2021 to 10th OCT 2021" will be conducted all students are informed to attend the training course without fail.

Coordinator

HOD
Dept. of ECE
SIET, TUMAKURU

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HOD
Dept of E&C
SIET, Tumkur-6

Ref: SIET/EC/2021-2022/

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

<u>APPROVAL LETTER</u>

To,
The Principal,
SIET, Tumakuru

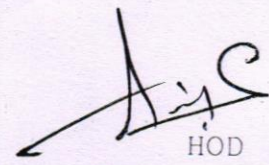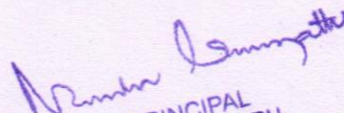Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Python with Machine Learning"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to depute the Student for Training Program on "Python with Machine Learning" from "06/09/2021 to 18/09/2021" for 7th semester Electronics & communication engineering students.

Kindly consider the above request and approve the same for further proceedings.

Thanking you

Date: 02/09/2021
Place: SIET, Tumakuru.

Coordinator
Dept. of ECE

HOD
SIET, TUMAKURU
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6

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Ref: SIET/EC/2021-22/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "Machine Learning With Python"-Reg.

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planned to organize Student Training Program on "Machine Learning With Python" from "4th OCT 2021 to 10th OCT 2021" for 5th semester Electronics & communication engineering students.
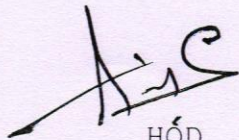
Kindly consider the above request and approve the same for further proceedings.
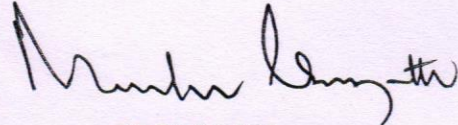
Thanking you

Date: 29/8/2021
Place: SIET, Tumakuru.
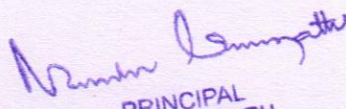
Coordinator

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An ISO 9001:2015 Certified Institution
Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org
DEPARTMENT OF INFORMATION SCIENCE ANDENGINEERING/ CSE

Date: 15-09-2021

CIRCULAR

Department of Information Science and Engineering is organizing 23 days Certification course on "Java Full stack development with Angular / React"

All course registered students of ISE / CSE are hereby informed to attend the course as per the schedule below:

Course Name	Duration
Java Full stack development with Angular / React	21st Oct 2021 to 14thNov 2021

Venue:
> Online

Dr.Suhas G K
(HOD - ISE)

HOD
Dept. of ISE
SIET, Tumkur-06

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 06 /09/2021

Circular

It is hereby informed to all 5th semester students that the "THE ARDUI
PLATFORM and C PROGRAMMING" training course from "6th November 2021 to 26
December 2021" will be conducted all students are informed to attend t
training course without fail.

Coordinator

HOD 6/9/2021
Dept. of ECE
SIET, TUMAKURU

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HOD
Dept of E&C
SIET, Tumkur-6

Ref: SIET/EC/2021-22/01

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

APPROVAL LETTER

To,
The Principal,
SIET, Tumakuru

Respected Sir,

Sub: - Approval for Organizing Students Training Program on "THE ARDUINO PLATFORM and C PROGRAMMING"-Reg.

With reference to the subject cited above, I would like to bring to yo kind notice that, the Department is planned to organize Student Traini Program on "THE ARDUINO PLATFORM and C PROGRAMMING" from "6th November 20 to 26th December 2021" for 5th semester Electronics & communicati engineering students.

Kindly consider the above request and approve the same for furth proceedings.

Thanking you

Date: 29/10/2021
Place: SIET, Tumakuru.

Coordinator

HOD
Dept. of ECE
SIET., TUMAKURU

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Dept of E&C
SIET, Tumkur-6

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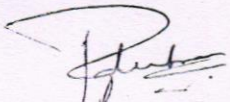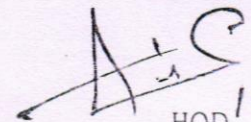
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
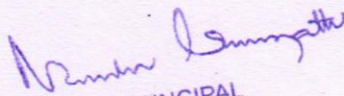
Date: 10/03/2022

Circular

It is hereby informed to all 6th semester students that the "INTERFACI[NG] WITH ARDUINO" training course from "19th March 2022 to 8th May 2022" will [be] conducted all students are informed to attend the training course witho[ut] fail.

Coordinator

HOD 10/03/23
Dept. of ECE
SIET, TUMAKURU

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HOD
Dept of E&C
SIET, Tumkur-6

Ref: SIET/EC/2021-22/02

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

<u>APPROVAL LETTER</u>

To,
The Principal,
SIET, Tumakuru

Respected Sir,

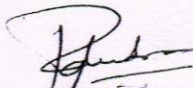Sub: - Approval for Organizing Students Training Program on "INTERFACING WITH ARDUINO"-Reg.

With reference to the subject cited above, I would like to bring to yo[...] kind notice that, the Department is planned to organize Student Traini[...] Program on "INTERFACING WITH ARDUINO" from "19th March 2022 to 8th May 202[...] for 6th semester Electronics & communication engineering students.

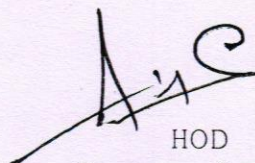Kindly consider the above request and approve the same for furth[...] proceedings.
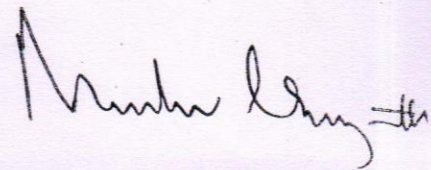
Thanking you
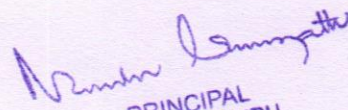
Date: 10/03/2022
Place: SIET, Tumakuru.

Coordinator

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Dept. of ECE
SIET, TUMAKURU

HOD
Dept of E&C
SIET, Tumkur-6

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DEPARTMENT OF CIVIL ENGINEERING
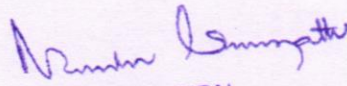
Date: 02-05-2022

CIRCULAR

Department of Civil Engineering, SIET in association with LGS Social Innovation and Research centre, Tumkur is conducting online courses with practical survey and ground work.

All final year students of Civil Engineering are hereby informed to register and to attend the courses as per the schedule and curriculum set by the LGS Trust:

Sl.No	Project Name	Duration
1	Agri Job Opportunities Platform in Rural Areas	• 15 May 2022 to 30 May 2022
2	Indian Constitution Making and its heroes	
3	Zero Food Waste -Connecting Foodless with Hotels and Community Halls	
4	"My College – My Farmland" – Growing Green Vegetables in College Campus	• 1th jun 2022 to 15th jun 2022
5	Conducting Census in College	
6	Indian Cinema and its milestones	• 15th jun 2022 to 30th jun 2022 (80 Hrs)
7	A case study on UNESCO's World Heritage Centre	
8	Film Festival in College - Charity Fundraising Activity – Screening Film in College Auditorium	

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Dr. G Mahesh Kumar
(HOD)
HOD
Dept. of Civil Engineering
SIET, TUMKUR - 6.

DEPARTMENT OF CIVIL ENGINEERING

Date: 01-10-2022

CIRCULAR

Department of Civil Engineering, SIET in association with ShriTEK Innovation, Tumkur is conducting an course on "**An Insight into the Construction Material Manufacturing and Industries** related to Civil Engineering Infrastructure".

All students of Civil Engineering are hereby informed to attend the as per the schedule below:

Sl.No	Semester	Duration	Timing
1	IV sem	11th October 2022 to 31st October 2022	9:00 AM to 4:00 PM
2	II sem		

Date	Day	Morning session	Afternoon sesssion
11-10-2022	Tuesday	Inaguration	Orientation class
12-10-2022	Wednesday	Introduction to Civil Engineering and scope	Construction site visit in campus SIET Auditorium
13-10-2022	Thursday	Building Materials, uses and applications	Visit to Medical Hospital
14-10-2022	Friday	Visit to RMC plant and crushers	Visit to Mydala tank and hill road constructions
15-10-2022	Saturday	1st week Report submission and presentation with PPT	
16-10-2022	Sunday	Site Vist and shop vist near by and collection of details of construction materials	
17-10-2022	Monday	Introduction to MS Word, excel and powerpoint	Introduction to Auto CAD
18-10-2022	Tuesday	Infractures- tunnel, Highway, Railways, Off shore structures, Airports etc	Infracture PPT presentation
19-10-2022	Wednesday	Cement, concrete and an insight	Visit to Medical College and Skill lab
20-10-2022	Thursday	Smart city Data center visit	Visit to smart city projects like Amanikere, Tumakuru bus stand, Glass house and Central library
21-10-2022	Friday	About Trraining and Placement Activities	Visit to tiles and pavament industry
22-10-2022	Saturday	Soft Skill and personality development	Soft Skill and personality development
23-10-2022	Sunday	Site Vist and shop vist near by and collection of details of construction materials	
24-10-2022	Monday	Assignment	Assignment
25-10-2022	Tuesday	Marking of a single room foundation	Visit to industrial structure - rice mill
26-10-2022	Wednesday	Assignment	Assignment
27-10-2022	Thursday	Soil importance, testing	Hands training on Auto CAD
28-10-2022	Friday	Visit to Yettinahole water supply project in Tumkur Dist.	
29-10-2022	Saturday	Industrial Safty and Fire Safty	Construction site visit
30-10-2022	Sunday	Site Vist and shop vist near by and collection of details of construction materials	
31-10-2022	Monday	Draft copy of Final Report submission and presentation with PPT	

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Dr. G Mahesh Kumar
(HOD)
Dept. of Civil Engineering
SIET, TUMKUR - 6.

Python Programming MCQ Online Test Quiz Questions

1. What do we use to define a block of code in Python language?
1. Indentation
2. Key
3. Brackets
4. None

Answer: Indentation

2. Which keyword is used for function in Python language?
1. Fun
2. Def
3. Function
4. Define

Answer: Def

3. Python supports the creation of anonymous functions at runtime, using a construct called_____
1. anonymous
2. pi
3. lambda
4. None

Answer: lambda

4. What does pip stand for python?
1. all private members must have leading and trailing underscores
2. Preferred Installer Program
3. unlimited length
4. Dnone

Answer: Preferred Installer Program

5. In which year was the Python 3.0 version developed?
1. 2000
2. 2008
3. 2010
4. 2005

Answer: 2008

6. Which of the following is the use of id() function in python?
1. Every object doesn't have a unique id

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2. Id returns the identity of the object
3. All the above
4. None of these

Answer: Id returns the identity of the object

7. What is the method inside the class in python language?
1. Object
2. Attribute
3. Function
4. Argument

Answer: Function

8. Which of the following is not a core data type in Python programming?
1. Lists
2. Class
3. Tuples
4. Dictionary

Answer: Class

9. Which of these is the definition for packages in Python?
1. A set of programs making use of Python module
2. A number of files containing Python definitions and statements
3. A folder of python modules
4. A set of main modules

Answer: A folder of python modules

10. Which one of the following is the correct extension of the Python file?
1. .p
2. .python
3. .py
4. All of these

Answer: .py

11. Which character is used in Python to make a single line comment?
1. #
2. //
3. /
4. !

Answer: #

12. Which one of the following is not a keyword in Python language?

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1. assert
2. pass
3. eval
4. nonlocal

Answer: eval

13. Which module in the python standard library parses options received from the command line?
    1. getopt
    2. getarg
    3. main
    4. os

Answer: getopt

14. Why does the name of local variables start with an underscore discouraged?
    1. It indicates a private variable of a class
    2. It confuses the interpreter
    3. To identify the variable
    4. None

Answer: It indicates a private variable of a class

15. What is the maximum possible length of an identifier?
    1. 32
    2. 16
    3. 64
    4. None

Answer: None

16. What are the two main types of functions in Python?
    1. Custom function
    2. System function
    3. Built-in function & User defined function
    4. User function

Answer: Built-in function & User defined function

17. Which of the following statements is correct regarding the object-oriented programming concept in Python?
    1. Classes are real-world entities while objects are not real
    2. Objects are real-world entities while classes are not real
    3. Both objects and classes are real-world entities

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4. None

Answer: Objects are real-world entities while classes are not real

18. The process of pickling in Python includes _____

1. conversion of a data table into a list
2. conversion of a Python object hierarchy into byte stream
3. conversion of a byte stream into Python object hierarchy
4. conversion of a list into a data table

Answer: conversion of a Python object hierarchy into byte stream

19. What happens when '2' == 2 is executed?

1. False
2. True
3. Value Error occurs
4. Type Error occurs

Answer: False

20. Who developed the Python language?

1. Guido van Rossum
2. Zim Den
3. Niene Stom
4. Wick van Rossum

Answer: Guido van Rossum

21. Which of the following option is not a core data type in the python language?

1. Class
2. Dictionary
3. Lists
4. None

Answer: Class

22. Which of the following is not a keyword in Python language?

1. try
2. raise
3. val
4. with

Answer: val

23. Which one of the following has the same precedence level?
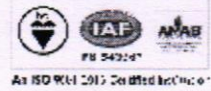
1. Subtraction and Division

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2. Division and Multiplication
3. Division, Power, Multiplication, Addition and Subtraction
4. power and Division

Answer: Division and Multiplication

24. Which of the following statements is correct for variable names in Python language?

1. The variable name length is a maximum of 2
2. Unlimited length
3. All variable names must begin with an underscore
4. None

Answer: Unlimited length

25. In which year was the Python language developed?

1. 1981
2. 1995
3. 1972
4. 1989

Answer: 1989

26. Which one of the following has the highest precedence in the expression?

1. Power
2. Subtraction
3. Division
4. Parentheses

Answer: Parentheses

27. The output to execute string.ascii_letters can also be obtained from?

1. lowercase_string.upercase
2. lowercase_string.upercase
3. ascii_lowercase_string.digits
4. character

Answer: string.ascii_lowercase+string.ascii_upercase

28. Which of the following functions is a built-in function in python language?

1. main()
2. print()
3. val()
4. None

Answer: print()

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29. Which of the following precedence order is correct in Python?

1. Division, Multiplication, Addition, Subtraction, Parentheses, Exponential
2. Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
3. Exponential, Parentheses, Multiplication, Division, Addition, Subtraction
4. Multiplication, Division, Addition, Subtraction, Parentheses, Exponential

Answer: Parentheses, Exponential, Multiplication, Division, Addition, Subtraction

30. In which language is Python written?

1. PHP
2. English
3. C Language
4. None

Answer: C Language

Applicants who wish to obtain more General Knowledge quiz questions watch our **dailyrecuitment** website frequently.

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Machine Learning Multiple Choice Questions

TEST-01

1. Type of matrix decomposition model is_____

1. predictive model
2. descriptive model
3. logical model
4. None

2. PCA is_____

1. backward feature selection
2. forward feature selection
3. feature extraction
4. None of these

3. Supervised learning and unsupervised clustering both require which is correct according to the statement.

1. input attribute
2. hidden attribute
3. output attribute
4. categorical attribute

4. Following are the types of supervised learning_____

1. regression
2. classification
3. subgroup discovery
4. All of above

5. A feature F1 can take certain value: A, B, C, D, E, & F and represents grade of students from a college. Here feature type is_____

1. ordinal
2. nominal
3. categorical
4. boolean

6. Following is powerful distance metrics used by Geometric model_____

1. manhattan distance
2. euclidean distance
3. All of above
4. None of above

7. The output of training process in machine learning is_____

1. machine learning algorithm
2. machine learning model

3. null
4. accuracy

8. Which of the following is a good test dataset characteristic?
1. is representative of the dataset as a whole
2. large enough to yield meaningful results
3. All of above
4. None of above

9. Which of the following techniques would perform better for reducing dimensions of a data set?
1. removing columns which have high variance in data
2. removing columns which have too many missing value
3. removing columns with dissimilar data trends
4. None of the above

10. What characterize is hyperplane in geometrical model of machine learning?
1. a plane with 1 dimensional fewer than number of input attributes
2. a plane with 1 dimensional more than number of input attributes
3. a plane with 2 dimensional more than number of input attributes
4. a plane with 2 dimensional fewer than number of input attributes

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(An ISO 9001-2008 Certified Institution)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Machine Learning Multiple Choice Questions

TEST-02

1. You are given reviews of few Netflix series marked as positive, negative and neutral. Classifying reviews of a new netflix series is an example of_____

1. unsupervised learning
2. semi supervised learning
3. supervised learning
4. reinforcement learning

2. Like the probabilistic view, the _____ view allows us to associate a probability of membership with each classification

1. deductive
2. exampler
3. classical
4. inductive

3. The problem of finding hidden structure in unlabeled data is called_____

1. unsupervised learning
2. reinforcement learning
3. supervised learning
4. None

4. If machine learning model output involves target variable then that model is called as_____

1. predictive model
2. descriptive model
3. reinforcement learning
4. All of above

5. Database query is used to uncover this type of knowledge.

1. hidden
2. shallow
3. deep
4. multidimensional

6. Data used to build a data mining model.

1. training data
2. hidden data
3. test data
4. validation data

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7. Application of machine learning methods to large databases is called_____

    1. big data computing
    2. artificial intelligence
    3. data mining
    4. internet of things

8. Which learning Requires Self Assessment to identify patterns within data?

    1. supervised learning
    2. unsupervised learning
    3. semi supervised learning
    4. reinforced learning

9. In simple term, machine learning is_____

    1. prediction to answer a query
    2. training based on historical data
    3. All of above
    4. None of above

10. of the Following Examples, Which would you address using an supervised learning Algorithm?

    1. given a set of news articles found on the web, group them into set of articles about the same story
    2. given email labeled as spam or not spam, learn a spam filter
    3. given a database of customer data, automatically discover market segments and group customers into different market segments
    4. find the patterns in market basket analysis

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Machine Learning Multiple Choice Questions
TEST-03

1. If machine learning model output doesn't involves target variable then that model is called as_____

1. predictive model
2. descriptive model
3. reinforcement learning
4. all of the above

2. In what type of learning labelled training data is used_____
1. supervised learning
2. unsupervised learning
3. reinforcement learning
4. active learning

3. In the example of predicting number of babies based on stork's population ,Number of babies is_____
1. feature
2. observation
3. outcome
4. attribute

4. Following are the descriptive models_____
1. classification
2. clustering
3. association rule
4. Both 1 and 2

5. In following type of feature selection method we start with empty feature set_____
1. backward feature selection
2. forward feature selection
3. All of above
4. None of above

6. A person trained to interact with a human expert in order to capture their knowledge.
1. knowledge developer
2. knowledge programmer
3. knowledge engineer
4. knowledge extractor

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7. What characterize unlabeled examples in machine learning_____
    1. there is plenty of confusing knowledge
    2. there is prior knowledge
    3. there is no confusing knowledge
    4. there is no prior knowledge

8. What does dimensionality reduction reduce?
    1. collinearity
    2. stochastic
    3. entropy
    4. performance

9. Some telecommunication company wants to segment their customers into distinct groups ,this is an example of_____
    1. supervised learning
    2. unsupervised learning
    3. data extraction
    4. reinforcement learning

10. Which of the following is the best machine learning method?
    1. accuracy
    2. scalable
    3. fast
    4. All of above

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1). Arduino is an open-source technology which is used to assemble _____ blueprints.

- ○ Electrical
- ○ Chemical
- ○ Electronic
- ○ Disclaimer

2). Arduino has both software and _____ board.

- ○ Timing circuit
- ○ Break the circuit
- ○ Programmable circuit
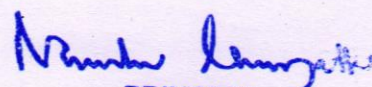- ○ Feedback circuit

3). The Arduino board is also called a _____?

- ○ Microprocessor
- ○ Timer
- ○ Oscillator
- ○ Microcontroller

4). Expand IDE full form_____?

- ○ Integrated Development Environment
- ○ Interfaced Developed Module
- ○ Interleaving Deficit Expander
- ○ Interleaving The Developed Environment

5). Code writing and uploading into the board is done using _____?

- ○ Environment
- ○ PC

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○ IDE

○ SOME

6). Arduino doesn't require separate _____ to load code on the board.

○ Storing

○ Programmers

○ Initializer

○ Oscillator

7). _____ is the language used by the Arduino IDE to code easily.

○ C

○ C++

○ Java

○ Python

8). _____ is the best product in the Arduino family for Beginners.

○ Divide

○ Uno

○ Thrive

○ None of the above

9). Without _____ Arduino cannot be run.

○ Power source

○ Regulator

○ Inverter

○ None of the above

10). Expand the full form of USB is_____?

○ United Serial Bus

○ Universal Serial Bus

○ United Search Bus

○ None of the above

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