Round 1 Proposal

R0 without budget without comment ▾

Print

Name of Developer & Institute	Prof. Kantesh Balani | Indian Institute of Technology Kanpur
Name of Participating Institute	Indian Institute of Technology Kanpur
Application Type	Participating Institute
Lab Name, ID & Discipline	Python for Basic Arithmetic Operations | 172 | Computer Science and Engineering
Name of Experiment	vii. Built-in Modules
Target Group	UG,PG

1. Focus Area

SNo.	Focus Area
1	Instrumentation and Practical skills
2	Reinforce theoretical concept

111 x 113

Prof. Sushama Deshmukh
Nov 28, 2019 23:04:11
Reinforce theoretical concept , Instrumentation and Practical skills

111 x 113

Prof. Kantesh Balani
Dec 09, 2019 17:03:19
Issue Resolved

2. Learning Objective and Cognitive Level

SNo.	LO ID	Learning Objective	Cognitive Level	Action Verb
1	611	Student will be able to list the concepts of built-in modules in Python programming language.	Recall	List
2	612	Student will be able to describe the concepts of built-in modules in Python programming language.	Understand	Describe
3	613	Student will be able to apply built-in modules in various Python programs.	Apply	Apply

Prof. Kantesh Balani
Dec 17, 2019 12:31:32
Issue Resolved

Prof. Sushama Deshmukh
Nov 28, 2019 23:04:11
We already have pre test and post test , change LO 614

Prof. Kantesh Balani
Dec 17, 2019 12:30:19
The issue is resolved

3. Instruction Strategy

Method	Assessment	Instruction Strategy
Summative Assessment	· The main objective to develop this lab is to provide an interactive source of learn-ing for the students. The simulation that we provide fulfills our purpose. · The learner will be easily able to understand Python programming language. · The user will able to understand the use of built-in modules. · With the help of our virtual lab, students get a chance to learn Python program-ming language as they are provided with an interactive simulator. It is beneficial in understanding the basics of built-in modules which simply cannot be understood by self-evaluation.	Problem Based

LO ID	Learning Objective	Task	Assessment Question
611	Student will be able to list the concepts of built-in modules in Python programming language.	student will select function from drop down.	which of the following is the use of function in python? a)functions are reusable pieces of programs b)functions don't provide better modularity for your application c)you can't also create your own functions d)All of the mentioned
612	Student will be able to describe the concepts of built-in modules in Python programming language.	student will click on execute button to run the program.	Which keyword is used for function? a)fun b)define c)Def d)function
613	Student will be able to apply built-in modules in various Python programs.	Student will enter value in text field.	What is the use of "datetime" module?

Prof. Sushama Deshmukh
Nov 28, 2019 23:04:11
Write proper action verbs in all LOs

Prof. Kantesh Balani
Dec 17, 2019 13:27:40
Issue Resolved

Prof. Sushama Deshmukh
Nov 28, 2019 23:04:11
Task should be aligned with LOs

Prof. Sushama Deshmukh
Nov 28, 2019 23:04:11
Task is about, what actions students will perform in simulator for achieving LO

Sno	What will student do	What will simulator do	Purpose
1	1. Examine the simulator screen and take note of all the instructions. 2. Select the type of built-in module you want to use. 3. Enter input values if required. 4. Press “Start” button 5. Press “Next” button. 6. Press “Reset" button. 7. Press “Quiz” tab.	1. Display all the simulator contents. 2. Bring the selected built-in module for use. 3. Input fields will take input if necessary. 4. Display the code in Python programming language. 5. Highlight each executing line and its output. 6. Reset the simulator for a fresh start. 7. Display the quiz questions.	1. Display simulator interface. 2. To select a module for performing the experiment. 3. To take in input values to perform any operation. 4. To present a code to the user for better understanding. 5. To explain the meaning of each line of code. 6. To perform a fresh experiment. 7. To perform an evaluation of the knowledge gained by the user.