

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	v. Strings
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 22:37:59

Reinforce theoretical concept , Instrumentation and Practical skills

111 x 113

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Dec 09, 2019 14:31:03

Issue Resolved

2. Learning Objective and Cognitive Level

SNo.	LO ID	Learning Objective	Cognitive Level	Action Verb
1	615	Student will be able to list the concepts of String in Python programming language.	Recall	Define
2	616	Student will be able to describe the concepts of String and its operation in Python programming language.	Understand	Describe
3	617	Student will be able to apply the concept of string and perform the operation on String in Python programs.	Apply	Apply

vlabs.iitb.ac.in/vlabs-dev/user/r1-form-proposer.php?exp_id=1407

1/4

- 111 x 113

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Dec 09, 2019 15:39:11

Issue Resolved
- 111 x 113

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Nov 28, 2019 22:37:59

Write action verbs in LO

Resolve

Comment
- 111 x 113

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LO 618 Change this LO. We have already Pre test and Post test for evaluation

Resolve

Comment
- 111 x 113

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Dec 09, 2019 14:37:12

The issues has been resolved
- 111 x 113

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Mar 10, 2020 23:00:14

LO 615 Action verb will be List

Resolve

Comment

3. Instruction Strategy

Method	Assessment	Instruction Strategy
Summative Assessment	<div><div>· 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.</div><div>· The learner will be easily able to understand Python programming language.</div><div>· The user will able to understand the use of String and its operation in Python pro-gramming language.</div><div>· 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 String and its operation which simply cannot be under-stood by self-evaluation.</div></div>	Problem Based

LO ID	Learning Objective	Task	Assessment Question
615	Student will be able to list the concepts of String in Python programming language.	student will enter the string in text box and click on start button in simulator.	Which of the following is considered as a string ? A. Hello55 B. Hello C. Hello@123 D. All of the above
616	Student will be able to describe the concepts of String and its operation in Python programming language.	student will select String operations in simulator.	Which of the following is the operations performed on String ? A. append B. Union C. Concatenation D. Addition
617	Student will be able to apply the concept of string and perform the operation on String in Python programs.	Student will enter the string in simulator	What will be the output of code b = Hello print(b[2:5]) A. llo B. ell C. Hel D. None of the above



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Nov 28, 2019 22:37:59

Write proper action verbs in all LOs



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Dec 09, 2019 16:12:58

Issue Resolved



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Nov 28, 2019 22:37:59

Task should be aligned with LOs

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

Resolve