

Round 1 Proposal

R0 without budget without comment ▼
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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	x. GUI Application
Target Group	UG,PG

1. Focus Area

SNo.	Focus Area
1	Instrumentation and Practical skills

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Nov 28, 2019 23:09:12

Reinforce theoretical concept , Instrumentation and Practical skills

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2. Learning Objective and Cognitive Level

SNo.	LO ID	Learning Objective	Cognitive Level	Action Verb
1	640	Student will be able to recall the concepts of GUI Applications in Python programming language.	Recall	Identify
2	641	Student will be able to understand the use of GUI Applications in Python programming language.	Understand	Describe
3	642	Student will be able to implement/use GUI Applications in various Python programs.	Apply	Solve
4	643	Student will be able to take the quiz for self-evaluation and enhance his capabilities.	Evaluate	Conclude

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In all the CO statements use the action verbs.

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change LO 643

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vlabs.iitb.ac.in/vlabs-dev/user/r1-form-proposer.php?exp_id=14121/3



Method	Assessment	Instruction Strategy
Summative Assessment	<ul style="list-style-type: none"> · The main objective to develop this lab is to provide an interactive source of learning 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 be able to understand the use of GUI Application. · With the help of our virtual lab, students get a chance to learn Python programming language as they are provided with an interactive simulator. It is beneficial in understanding the basics of GUI Applications which simply cannot be understood by self-evaluation. 	Problem Based

4. Task and Assessment Questions

LO ID	Learning Objective	Task	Assessment Question
640	Student will be able to recall the concepts of GUI Applications in Python programming language.	To state the use of GUI Applications.	What are GUI Applications?
641	Student will be able to understand the use of GUI Applications in Python programming language.	To understand the use of GUI Applications.	Why are GUI Applications used?
642	Student will be able to implement/use GUI Applications in various Python programs.	To apply/use GUI Applications in various Python programs.	What is the use of File management in programming?
643	Student will be able to take the quiz for self-evaluation and enhance his capabilities.	To evaluate his knowledge on the basis of quiz questions.	In quiz section there are 3 levels to which user can attempt according to the time he has given in experiment to analyze and learn from it.

- 111 x 113

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Write proper action verbs in all LOs

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Task is about, what actions students will perform in simulator for achieving LO

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5. Simulator Interactions

Sno	What will student do	What will simulator do	Purpose
1	1 Examine the simulator screen and take note of all the instructions. 2 Press "Start" button 3 Press "Execute" button. 4 Press "Reset" button. 5 Press "Quiz" tab.	1 Display all the simulator contents. 2 Display the code in Python programming language. 3 To run the GUI application on your local machine. 4 Reset the simulator for a fresh start. 5 Display the quiz questions.	1 Display simulator interface. 2 To present a code to the user for better understanding. 3 To explain the meaning of each line of code. 4 To perform a fresh experiment. 5 To perform an evaluation of the knowledge gained by the user.

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