

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

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Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



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## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### AICTE ACTIVITY REPORT

Student Coordinator Name	Kripashree Bhat
University Seat Number	4MW18CS038
Academic Year	2021
Department	Computer science
Activity Title	Python workshop
Activity held under (Department/Cell)	Computer science
Faculty Coordinator Name	Harshitha G M
Activity held at	T.A.Pai E.M.H.S. Kunjibettu, Udupi.
Address	Kunjibettu
Activity Dates	From: 20-03-2021 To: 28-03-2021
Total duration taken	80 Hours Planning : 20 hours Implementation : 48 hours

*Harshitha G M*

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	Report writing : 12 hours
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### ACTIVITY SUMMARY

Student (coordinator) name: Kripashree Bhat

USN: 4MW18CS038

#### Title:

Activity held at: T.A.Pai E.M.H.S. Kunjibettu, Udupi.

#### Objectives:

1. In this workshop, the participants will be introduced to Python from scratch.
2. They will be able to write loops, create functions and use conditions to solve complex problems.
3. Participants will gain knowledge of Python Programming and learn to develop projects on their own.
4. The workshop will help them grow their knowledge of coding and all of these fundamentals apply to other real-world programming languages too.

#### Description:

The course is designed to provide an introduction to the Python programming language.

The focus of the course is to provide students with an introduction to programming, I/O, and visualization using the Python programming language. Python Workshop is great for teaching coding fundamentals through a real-world programming language. There are five core concepts that the student will learn that will help build a solid foundation in Python :

1. Data Types
2. Variables
3. Functions
4. Loops
5. Modules

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During the workshop, the participants will learn how to use Python's loops, conditional



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programming, and more. They'll also explore the graphical capabilities of Python too, creating some applications and solving real-world problems through programming.

### Outcomes:

1. Python is one of the most important languages in the world of computer programming.
2. This is because of its widespread application in the fields of Machine Learning, Data Science, and Data Mining.
3. The outcome of this workshop will enhance the knowledge of students in the field of Python Programming.
4. This workshop will help the students to learn Python from scratch and it will help them grow their knowledge of coding and other fundamentals.
5. They will be able to write loops, create functions and use conditions to solve complex problems.

### Learning from this activity:

1. Students will gain a basic understanding of object-oriented programming and enhance their critical thinking and problem-solving skills as they learn to design, code and debug Python programs.
2. They will get hands-on experience with a real-world programming language and will learn the fundamental concepts of programming.
3. They will be able to apply the basic programming principles they mastered to learn other programming languages.

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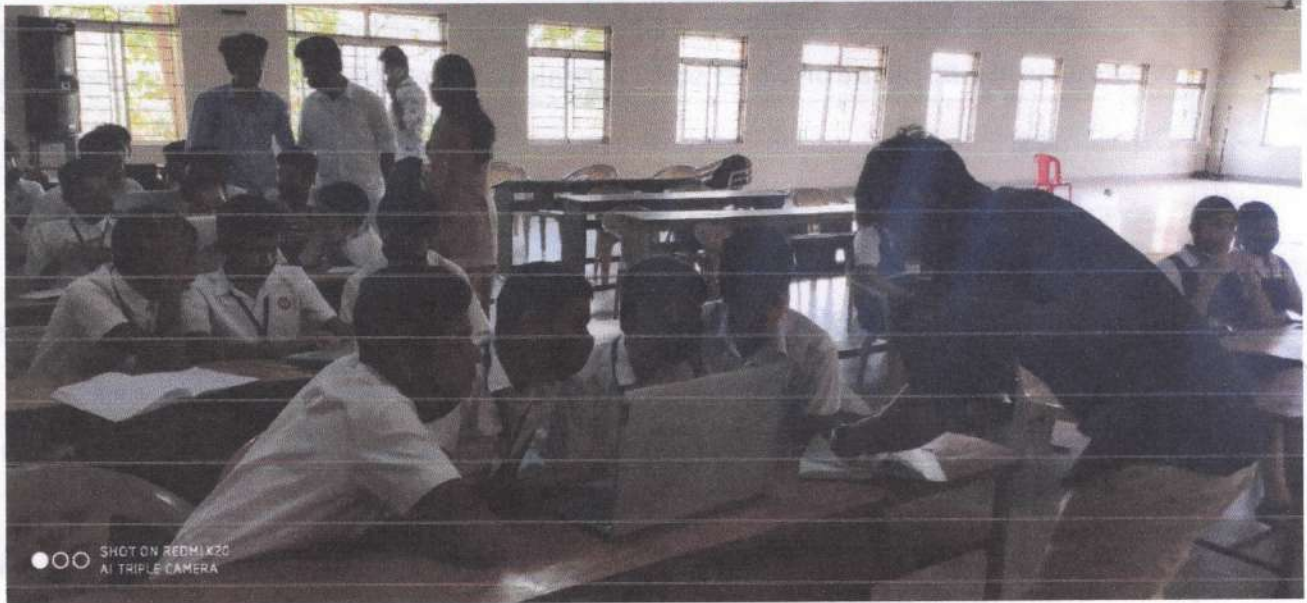
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*Aravind*

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VISHWOTHAMA NAGAR, BANTAKAL  
UDUPI DISTRICT, KARNATAKA

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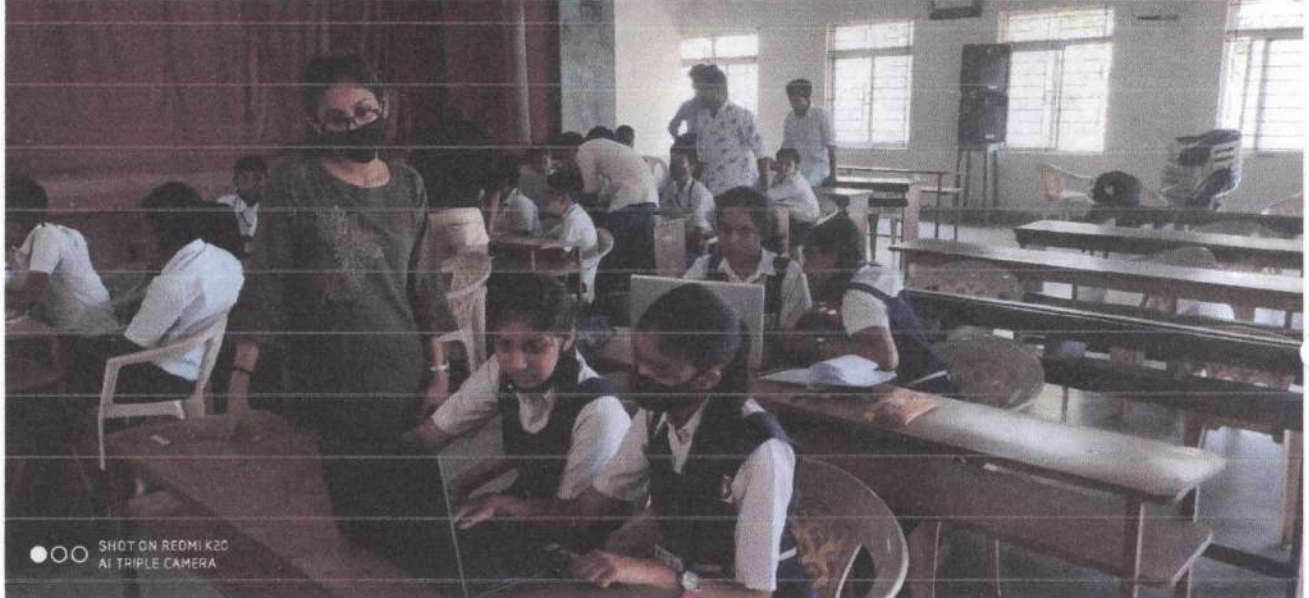
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Longitude:74.75933

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*Kripya:*

Signature of the  
student  
activity coordinator

*hms*

Signature of the  
Faculty  
Coordinator

*Pa*

Signature of the  
HOD

*hms*

Signature of the Activity  
coordinator

*Principa*

Principal

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