



**RAMAIAH**  
College of Arts, Science &  
Commerce

ಎಮ್ ಎಸ್ ರಾಮಯ್ಯ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು  
**M S Ramaiah College of Arts, Science and Commerce**  
Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University,  
Approved by Government of Karnataka, Approved by AICTE, New Delhi,  
Recognized by UGC under 2f & 12B of UGC act 1956

## DEPARTMENT OF MATHEMATICS

### REPORT ON SKILL ENHANCED WORKSHOP

**Event Name :** Python Programming

**Date :** 12<sup>th</sup> September 2023

**Venue:** Mathematics Lab.

**Participants:** 1<sup>st</sup> year B.Sc(MCs) students.

**Resource Person:**

**Number of students participated :** 17

**Event Co-Ordinator :** Mrs. Haritha A

**Objective:** The primary objectives of Python include readability, simplicity, and versatility. It aims to provide a clear and concise syntax, promote code readability, support multiple programming paradigms, and facilitate the development of diverse applications.

Department of Mathematics organized one day Skill Enhanced workshop on “Python Programming ” on 12<sup>th</sup> September 2023 for the students of 1<sup>st</sup> year B.Sc(MCs) in Mathematics Lab from 9.30 AM and 4:30 PM. The Skill Enhanced workshop was inaugurated by Prof.Jayaram,Vice Principal under the patronage of Sri.M.R.Janakiram (Honorable Director, Gokula Education Foundation), Sri.M.R.Kodandaram (Honorable Director, Gokula Education Foundation) and Sri.Ramprasad (Chief Executive, GenScience, Gokula Education Foundation). The resource person to the workshop was Dr. Machhindranath M Dhane Associate Professor, Dept of Mathematics, Govt. First Grade Collage, Yelahanka , Bengaluru.

The program started by registration of participants of 1st year B.Sc(MCs) at 09.00 am followed by the inauguration and then the sessions began. The students were given tea break in between the sessions.

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Python is High level general purpose programming language.It is Interpreted language, Cross-platform language, Open source language and Object oriented language. Python has a clean and easy-to-read syntax, which makes it beginner-

friendly and reduces the cost of program maintenance. Python is an interpreted language, which means that the source code is executed line by line by an interpreter, rather than being compiled into machine code.

Python is versatile and can be used for various applications, including web development (Django, Flask), scientific computing (NumPy, SciPy), machine learning (TensorFlow, PyTorch), data analysis (Pandas), and more.

Dr. Machhindranath M Dhane started the sessions by giving an introduction to Python, how to install the pycharm software and numpy, sympy..backend softwares which helps to run the program.

The following are the topics covered by them in the sessions:

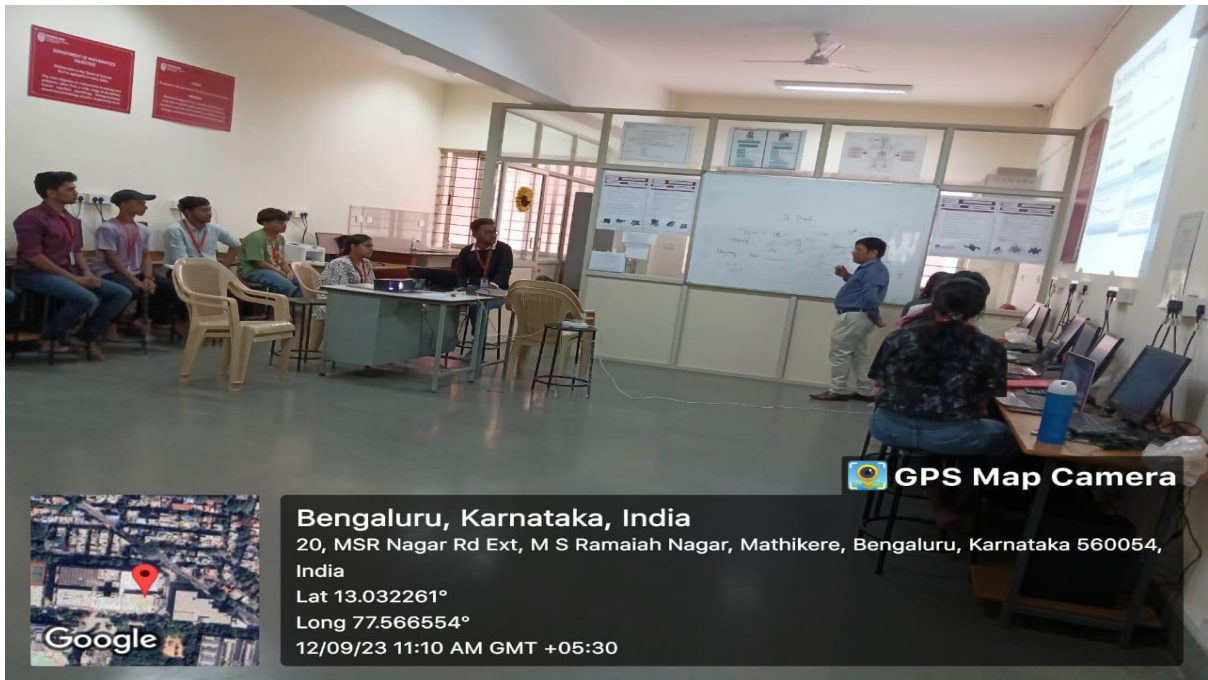
- How to download and install python program
- Installing Packages for Python
- Python Basics
- Tokens in Python
- Python Arithmetic Operators
- Python Logical Operators
- Python Membership Operators
- Python Identity Operators
- Data Types in Python
- Variables, Data Types, and Operators
- How to read input in Python
- Output Variables
- Functions and Modules
- Functions
- Python Loops
- Looping Through a String
- Syntax error, Runtime errors, Semantic errors
- Problem solving techniques
- Chained conditionals, Nested conditionals
- Calculus, Matrices, Matrix method
- Python operators-add, subtract, floor division

After these sessions, there was an interactive session. During the interactive session, students inferred an opinion that they were benefitted by this orientation. They also told that this Skill Enhanced workshop was of immense help to acquire more knowledge about maths practicals. The last session was Valedictory. During the Valedictory function, Vice Principal presided over the function and the program was concluded by thanking each and every one who made this occasion a grand success.

### **Outcome:**

**Through this skill enhanced workshop the students will develop the essential concepts of Python programming. The practical knowledge of Python programming basics empowers individuals to write code, develop applications, and automate tasks efficiently.**

# Skill Enhanced Workshop on Python Programming Photos



*Valsala*  
**PRINCIPAL**  
Principal,  
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## DEPARTMENT OF MATHEMATICS

### SKILL ENHANCED WORKSHOP ON "PYTHON PROGRAMMING"

DATE : 12-09-2023

SL NO	Student Name	Reg. NO.	Class	Signature
1.	Aleena Jaison	U18EV23S0002	BSc I SEM MCs	Aleena Jaison
2.	Keshab Poudyal	U18EV23S0033	BSc I SEM MCs	Keshab
3.	Raman	U18EV23S0290	BSc I SEM MCs	Raman
4.	Devaraj v	U18EV23S0099	BSc I SEM MCs	Devaraj v
5.	Kavya M R	U18EV23S0177	BSc I SEM MCs	Kavya M.R
6.	Ritik Prasad	U18EV23S0153	BSc I SEM MCs	Ritik Prasad
7.	Aashik kumar D	U18EV23S0113	BSc I SEM MCs	Aashik
8.	Radhika.H	U18EV23S0122	BSc I SEM MCs	RADHIKA.H
9.	Rajveer singh	U18EV23S0130	BSc I SEM MCs	Rajveer
10.	Nanditha P S	U18EV23S0096	BSc I SEM MCs	Nanditha P S
11.	Renuka Tharun K	U18EV23S0098	BSc I SEM MCs	Renuka
12.	Naveen S	U18EV23S0163	BSc I SEM MCs	Naveen
13.	Kaushik V Jain	U18EV23S0097	BSc I SEM MCs	Kaushik
14.	Muhammed Nafih T N	U18EV23S0121	BSc I SEM MCs	Muhammed
15.	R venkateshwar Rao Pole	U18EV23S0100	BSc I SEM MCs	R Venkateshwar Rao Pole
16.	Madhav Chaitanya	U18EV23S0160	BSc I SEM MCs	Madhav
17.	Tejashwini N	U18EV23S0168	BSc I SEM MCs	Tejashwini N

Valsabha

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