

MSRCASC/MATH_WS/2025-26/01

Date:25-07-2025


CIRCULAR

DEPARTMENT OF MATHEMATICS

This is to inform that Department of Mathematics is organizing Skill Enhanced Workshop on **“Exploring Python : A Practical Approach”** on 29th July 2025 for the students of first year B.Sc(EMCs) in Mathematics Lab at 10.00 AM.



HOD



PRINCIPAL
Principal
M.S.Ramaiah College of Arts, Science &
Commerce-Autonomous
MSRIT POST, MSR Nagar
Bengaluru - 560 054

ABOUT THE COLLEGE

Ramaiah College of Arts, Science and Commerce Autonomous was established in 1994 by our founder Late Dr. M S Ramaiah offering both undergraduate and postgraduate degrees under Bangalore City University in Arts, Science, Commerce and Management streams. The college is approved by AICTE, New Delhi, recognized by the Government of Karnataka. The college is re accredited 'A' grade by NAAC.

ABOUT THE DEPARTMENT

The Department of Mathematics was established since the inception of the college in 1994. The department is strong with all the members of the faculty having more than 10 years of experience. We go by the vision and mission of the college. Department has approximately 220 students. Apart from following the curriculum, the department concentrates in training the students to face all competitive exams and interviews boldly and confidently. We encourage the students who attend workshops, seminars in other colleges.

ABOUT THE PROGRAM

Department of Mathematics is organizing a skill enhanced workshop through which gives student to get hands-on experience by writing a program following the instructor's lead. The student will then spend time improving upon the writing program to make it more robust and sophisticated

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.

OUTCOME

The practical knowledge of Python programming basics empowers individuals to write code, develop applications, and automate tasks efficiently.

PATRONS

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Dr.Parswanath H V
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Chief Academic Advisor

Sri.G. Ramachandra
Chief of Finance

ORGANIZING COMMITTEE MEMBERS

Mrs. Haritha. A

Ms. Gagana C N

Ms. Vinutha M

RESOURCE PERSON

Dr. Jagadeesh Sai D

Assistant Professor

Dept. of Information
Science

MSRIT

Event coordinator
GAGANA C N

Skill Enhanced
workshop on

"Exploring Python: A Practical Approach"

Organized by

DEPARTMENT OF

MATHEMATICS in

Association with IQAC,
RCASC



Program Schedule

Date: 29th July 2025

Time: 10:00 AM to 4:00 PM

Venue: Mathematics Lab

DEPARTMENT OF MATHEMATICS

Report on Skill Enhanced Workshop “Exploring Python : A Practical Approach”

Event Details:

- **Date:** 29/07/2025
- **Venue:** Mathematics Lab
- **Participants:** I Year B.Sc(EMCs) students.

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.

Event Overview:

Department of Mathematics organized one day Skill Enhanced workshop on “Exploring Python : A Practical Approach ” on 29th July 2025 for the students of 1st year B.Sc(EMCs) in Mathematics Lab from 10.00 AM and 4:00 PM. The Skill Enhanced workshop was inaugurated by Dr.Pushpa H Principal under the patronage of Sri. Dr.M.R Seethara (Chairman Gokula Education Foundation), Sri.M.R.Janakiram (Honorable Director, Gokula Education Foundation) and Sri. Dr.Pashwanth H V (Chief Executive, GenScience, Gokula Education Foundation). The resource person to the workshop was Dr. Jagadeesh Sai D and Ms.Kavya K S Assistant Professor, Dept of Information Science, RIT, Bengaluru.

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. Jagadeesh Sai D and Ms.Kavya K S Assistant Professor 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:

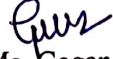
- How to download and install python program
- Installing Packages for Python
- Python Basics
- Tokens in Python
- Python Arithmetic Operators
- Python Logical Operators
- Python Membership Operators
- Python Identity Operators
- Data Types in Python
- Variables, Data Types, and Operators
- How to read 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
- Construction of Graphs


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 math practical. The last session was Valedictory. During the Valedictory function, 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.

Faculty in charge:


(Ms. Gagana C N)


HOD


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Photos on Workshop "Exploring Python : A Practical Approach"



SL.NO	NAME	UUCMS No.	Morning Signature	Afternoon Signature
1	A LAKSHMESH	U18MB25S0102	Lakshmesh	Lakshmesh
2	ABHISHEK S	U18MB25S0105	Abhishek S	Abhishek S
3	ABHISHEK SINGH GAUTAM	U18MB25S0126	Abhishek	Abhishek
4	AISHWARYA M	U18MB25S0127	Aishwarya	Aishwarya
5	AKSHAY S	U18MB25S0128	Akshay S	Akshay S
6	AMULYA M	U18MB25S0129	Amulya M	Amulya M
7	ANANYA U K	U18MB25S0130	Ananya	Ananya
8	BANANTA DEY	U18MB25S0131	Bananta Dey	Bananta Dey
9	BHOOMIKA	U18MB25S0132	Bhoomika	Bhoomika
10	CHARAN S	U18MB25S0133	Charan S	Charan S
11	GANAVI L GOWDA	U18MB25S0134	ganavi L Gowda	ganavi L Gowda
12	GANAVI V	U18MB25S0135	ganavi V	ganavi V
13	GOWTHAM SAI N C	U18MB25S0136	Gowtham Sai	Gowtham Sai
14	GUNTTIPALLI DIVYA	U18MB25S0137	G. Divya	G. Divya
15	GURNOOR RANA	U18MB25S0138	Gurnoor R	Gurnoor R
16	HARSHITHA R PATIL	U18MB25S0139	Harshitha R	Harshitha R
17	KALPITA G KRISHNA	U18MB25S0140	Kalpita	Kalpita
18	KEERTHANA L	U18MB25S0141	Keertana L	Keertana L
19	KHUSHI KUMARI	U18MB25S0143	Khushi	Khushi
20	KUNCHEPU SAI HARSHITHA	U18MB25S0144	K. Saiharshitha	K. Saiharshitha
21	M PREM KUMAR	U18MB25S0145	M. Prem Kumar	M. Prem Kumar
22	MADHU D	U18MB25S0146	Madhu D	Madhu D
23	MADHUMITHA S	U18MB25S0147	Madhu	Madhu
24	MANJOT SINGH	U18MB25S0148	Manjot	Manjot
25	MRIDHUL R	U18MB25S0149	Mr. R.	Mr. R.
26	RAMYA R	U18MB25S0150	Ramya R	Ramya R
27	RAYAN AHMED KHAN	U18MB25S0151	Rayan	Rayan
28	SATHI MONDAL	U18MB25S0152	Sathi Mondal	Sathi Mondal
29	SNEHASHREE K S	U18MB25S0153	Snehashree	Snehashree
30	SUHAS B	U18MB25S0155	Suhas B	Suhas B
31	SUJAN B	U18MB25S0156	Sujan B	Sujan B
32	SUMUKH S	U18MB25S0157	Sumukh S	Sumukh S
33	TEJASVI M	U18MB25S0159	Tejasvi M	Tejasvi M
34	TEJASWINI M	U18MB25S0160	Tejasvi M	Tejasvi M
35	VARSHINI S	U18MB25S0161	Varshini S	Varshini S
36	VEDANTH L	U18MB25S0162	Vedanth L	Vedanth L
37	VENDRAPATI ANANYA	U18MB25S0163	Vendrapati	Vendrapati
38	YASHAS IYER K P	U18MB25S0164	Yashas Iyer	Yashas Iyer
39	YOGESH S	U18MB25S0165	Yogesh S	Yogesh S
40	TUSHAR CHAKRAVARTHY	U18MB25S0279	Tushar	Tushar



RAMAIAH

College of Arts, Science
& Commerce - Autonomous



**INSTITUTION'S
INNOVATION
COUNCIL**

(Ministry of Education Initiative)

CERTIFICATE OF PARTICIPATION

This is to certify that

Rayan Ahmed Khan

*of BSc(EMCs) has participated in the workshop on the topic
“Exploring Python:A Practical Approach”
organized by Department of Mathematics on 29th July 2025*

Ms.Gagana.CN
Program Coordinator

Mrs.Haritha.A
Head of the Department

Dr.Pushpa .H
Principal



RAMAIAH

College of Arts, Science
& Commerce - Autonomous



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

CERTIFICATE OF PARTICIPATION

This is to certify that

Tejasvi M

*of BSc(EMCs) has participated in the workshop on the topic
“Exploring Python:A Practical Approach”
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Ms.Gagana.CN
Program Coordinator

Mrs.Haritha.A
Head of the Department

Dr.Pushpa .H
Principal