



RAMAIAH
College of Arts, Science &
Commerce

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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



(National Institutional Ranking Framework, Ministry of Education, Govt of India)
Ranked 62nd in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

REF: MSRCASC/MATH/2021-2022/003

Date:03-12-2021

CIRCULAR

DEPARTMENT OF MATHEMATICS

This is to inform that, Department of Mathematics is organizing Two day Skill Enhanced Workshop on “**Python Application Programming**” on 6th and 7th December 2021 for the students of 1st year B.Sc(EMCs) in Mathematics Lab between 9.30 AM and 1.30 PM and it is compulsory. The event coordinator is Mrs.Thulasi.R.Mudakavi.

HOD

HEAD OF THE DEPARTMENT
MATHEMATICS
RAMAIAH COLLEGE
OF ARTS, SCIENCE & COMMERCE
BANGALORE-550054

PRINCIPAL
Principal,

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ABOUT THE COLLEGE

Ramaiah College of Arts, Science and Commerce was established in 1994 by our founder Late Dr.M.S Ramaiah offering both under graduate 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 the students learn how to represent and store data using Python data types and variables and use conditional, loops to control the flow of the programs.

OBJECTIVE

The course is designed to give brief insight about Python application programming to the students to enrich their knowledge in programming. The focus of the course is to make students develop their own simple Python programs, understand some built-in commands and learn plotting graphs for different functions.

OUTCOME

Through this skill enhanced workshop the students will develop simple programs, understand the concept of expressions and loops in the program, plotting graphs for equation and solving mathematical problems.

FREE REGISTRATION

PATRONS

Dr. M.R.Jayaram Chairman
GEF

Sri.M.R.Janakiram Director
GEF

Sri.M.R.Kodandaram
Director GEF

Sri. B.S Ramaprasad Chief
Executive GEF(E & GS)

Sri.G.Ramachandra Chief of
Finance GEF(E & GS)

ORGANIZING

COMMITTEE MEMBERS

Mr.Ravindranath.K

Mrs.Haritha.A

Mrs.Thulasi R Mudakavi

RESOURCE PERSON

Dr.Shrinidhi

Hiriyannaiah

Assistant Professor

Dept of Computer

Science and Engineering

RIT, Bengaluru

Event co-ordinator

Mrs.Thulasi.R.Mudakavi

RAMAIAH

College of Arts, Science
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**Skill Enhanced
Workshop on**

Python Application Programming

Organized by
DEPARTMENT OF
MATHEMATICS in
Association with IQAC,
RCASC

Program Schedule

Date : 6th and 7th

December 2021

Time : 9:30 am to 1:30 pm

Venue: Mathematics Lab





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DEPARTMENT OF MATHEMATICS

REPORT ON SKILL ENHANCED WORKSHOP

Event Name : Python Application Programming

Date : 6th and 7th December 2021

Venue: Mathematics Lab.

Participants: 1st year B.Sc(EMCs) students.

Resource Person: Dr. Shrinidhi Hiriyannaiah

Number of students participated : 16

Event Co-Ordinator : Mrs.Thulasi.R.Mudakavi

Objective: The course is designed to give brief insight about Python application programming to the students to enrich their knowledge in programming. The focus of the course is to make students develop their own simple Python programs, understand some built-in commands and learn plotting graphs for different functions.

Department of Mathematics organized two days Skill Enhanced workshop on "Python Application Programming " on 6th and 7th December 2021 for the students of 1st year B.Sc(EMCs) in Mathematics Lab from 9.30 AM and 1.30 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. Shrinidhi Hiriyannaiah ,Assistant Professor , Department of Computer Science and Engineering, RIT, Bengaluru .

The program started by registration of participants of 1st year B.Sc(EMCs) 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. There are two Python versions – Python2 and Python3.

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

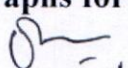
The following are the topics covered by him in the sessions:


- Problem solving techniques
- Python programming languages, Immediate mode, Script mode
- How to run a program -Interactive interpreter prompt.
- Use of print “<text>” OR print() functions for displaying
- Script file - Open a notepad and save the file with extension .py
- Math perform, conditional execution, input, output
- What is debugging
- Syntax error, Runtime errors, Semantic errors
- Variables, Expressions and Statements
- Values and data types with examples
- Assignment statement, Print statements
- Operators and operands
- Type converter functions, str, float
- Built in format
- Python programs
- Conditions, Boolean values, Conditional execution
- Chained conditionals ,Nested conditionals
- Trigs, sympify, evalf, watch out for powers, exponentials and logarithms
- Calculus, Matrices, Matrix method
- Python operators-add, subtract, modulus, floor division, Bitwise AND....
- Decision making statements: if, else, elif, nested if.

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:

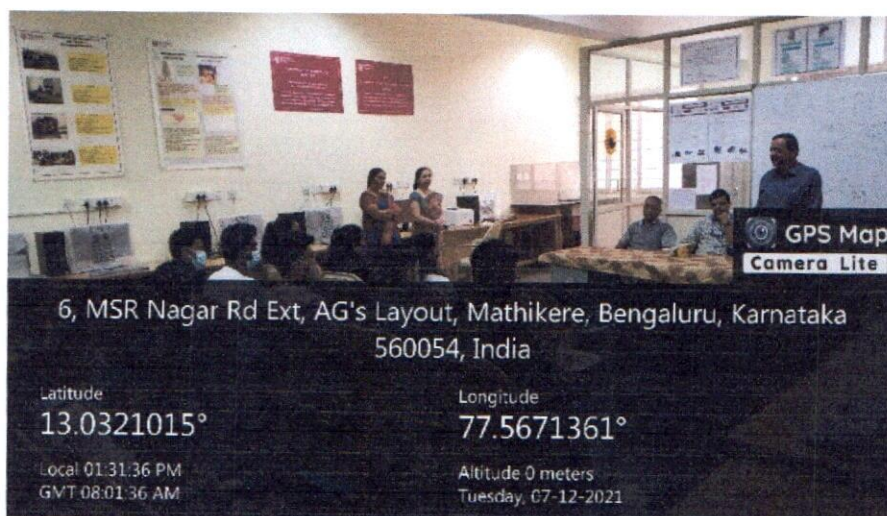
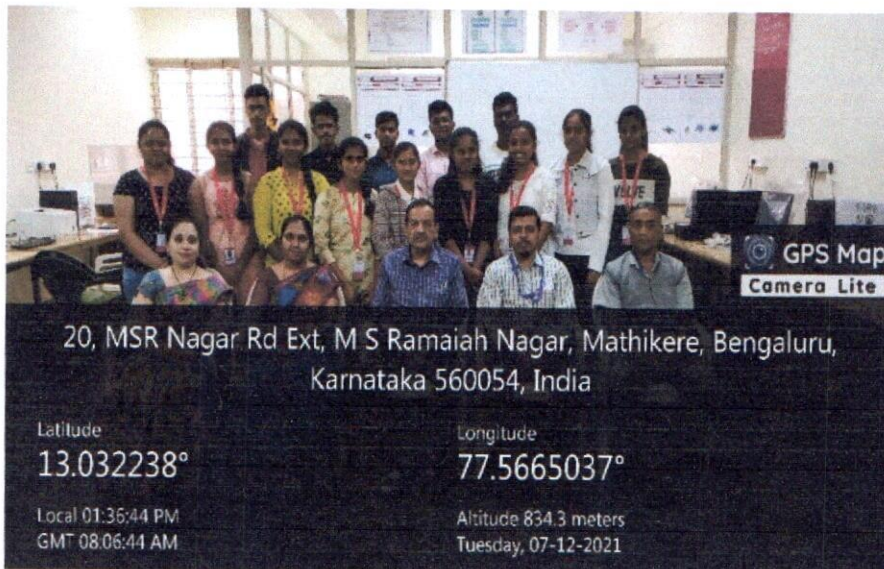
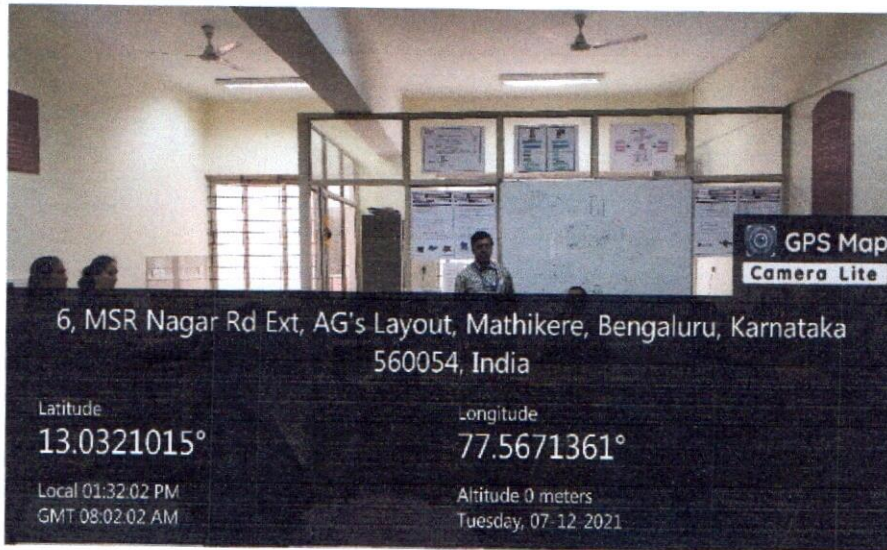
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BANGALORE-550054**


**Principal,
M.S. Ramiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054**

Skill Enhanced Workshop on

Python Application Programming Photos:



Shree
Principals
M. S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

Ramaiah College of Arts, Science and Commerce
Department of Mathematics

Event Name: Skill Enhanced Workshop on "Python Application Programming".

Date: 6th, 7th December 2021

Sl No.	Register No.	Student Name	Sign 1	Sign 2
01	21BSCCS05	Apoorva. N.	Apoorva N	Apoorva N
02	21BSCCS06	Azeem Rahiman	Azeem	Azeem
03	21BSCCS08	Emgula Supriya	Supriya	Supriya
04	21BSCCS12	Harshitha S	Harshitha	Harshitha
05	21BSCCS13	K Balaji	Balaji	Balaji
06	21BSCCS16	Lakshmi Kala	Lakshmi Kala	Lakshmi Kala
07	21BSCCS17	Lakshmi Paswan	Lakshmi	Lakshmi
08	21BSCCS18	LOHITH R S	Lohit	Lohit
09	21BSCCS20	Madhu S	Madhu	Madhu
10	21BSCCS21	MOHITHAN	Mohith	Mohith
11	21BSCCS23	Nisha. K	Nisha	Nisha
12	21BSCCS26	Pradeep S	Pradeep	Pradeep
13	21BSCCS28	RITHU Y J	Rithu	Rithu
14	21BSCCS30	Sathish. M	Sathish	Sathish
15	21BSCCS31	Sharaneshivaraj	Shara	Shara
16	21BSCCS33	Supriya G.	Supriya	Supriya

Co-ordinator:

Thulasi

[THULASI. R. MUDAKAVI]

Principal

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Bangalore - 560 054



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DBT Star College Scheme

To,

Date : 01-12-2021

Dr. Srinidhi Hiriyannaiah

Assistant Professor

Department of Computer Science and Engineering

M.S.Ramaiah Institute of Technology

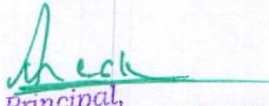
Bengaluru

Respected Sir,

On behalf of M.S.Ramaiah College of Arts, Science and Commerce, the Department of Mathematics invites you for conducting skill enhanced Workshop to 1st Semester B.Sc(EMCs) Students which is being held on 6th and 7th December 2021.

Thanking you

With regards,


Principal,

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DBT Star College Scheme

To,

Date : 07-12-2021

Dr. Srinidhi Hiriyanaiiah
Assistant Professor
Department of Computer Science and Engineering
M.S.Ramaiah Institute of Technology
Bengaluru

Respected Sir,

On behalf of M.S.Ramaiah College of Arts, Science and Commerce, the Department of Mathematics sincerely acknowledges you for conducting Skill Enhanced Workshop on "Python Application Programming" to B.Sc(EMCs) students held on 6th and 7th December 2021.

We profoundly thank you for your gracious presence. We also look forward for similar associations in future.

Thanking you

With regards,

Principal,
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CERTIFICATE OF PARTICIPATION

This is to certify that **APOORVA.N** of I Sem B.Sc(EMCs)
has actively participated in Skill Enhanced Workshop on "**Python Application
Programming**" organized by Department of Mathematics from 6th Dec 2021
and 7th Dec 2021.

MR.K.RAVINDRANATH

HOD, Dept of
Mathematics

MRS.THULASI

Co-ordinator

DR.A.NAGARATHNA

Principal, RCASC



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This is to certify that **AZEEM RAHIMAN** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **ENUGALA SUPRIYA** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **HARSHITHA.S** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **K.BALAJI** of I Sem B.Sc(EMCs)
has actively participated in Skill Enhanced Workshop on "**Python Application
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This is to certify that **LAKSHMI KALA** of I Sem B.Sc(EMCs)
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This is to certify that **LAKSHMI PASWAN.V** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **LOHITH R.S** of I Sem B.Sc(EMCs)
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This is to certify that **MADHU.S** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **MOHITH SAIN** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **PRADEEP .S** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **NISHA . K** of I Sem B.Sc(EMCs)
has actively participated in Skill Enhanced Workshop on "**Python Application
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CERTIFICATE OF PARTICIPATION

This is to certify that **RITHU Y.J** of I Sem B.Sc(EMCs)
has actively participated in Skill Enhanced Workshop on "**Python Application
Programming**" organized by Department of Mathematics from 6th Dec 2021
and 7th Dec 2021.

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This is to certify that **SATHISH .M** of I Sem B.Sc(EMCs)
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This is to certify that **SHARANU SHIVARAJ NEELA** of I Sem B.Sc(EMCs) has actively participated in Skill Enhanced Workshop on "**Python Application Programming**" organized by Department of Mathematics from 6th Dec 2021 and 7th Dec 2021.

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This is to certify that **SUPRIYA .G** of I Sem B.Sc(EMCs)
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