



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



**Dr. M.S. Ramaiah, FIAE**  
(1922-1997)

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

DBT Star College Scheme

**PRESENTS**

**VALUE ADDED PROGRAMME**

**on**

**“R-Programming”**

**From 28-06-2023 to 14-08-2023**

**Resource Person**

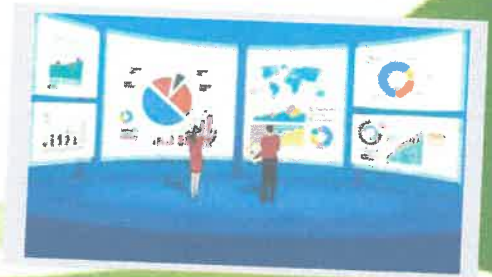
**Ms. Nagalambika Swamy**

**Asst. Professor**

**Dept. of Computer Science, MSRCASC**

**Lab:**

**MBA Lab, MSRCASC**





**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

REF: MSRCASC/MB/22-23/

Date:26/06/2023

## CIRCULAR

The students of BBA & BCOM are here by informed that, there is a value added programme is organized for IV semester BBA & BCOM students on “**R-Programming**” from 28<sup>th</sup> June 2023 to 14<sup>th</sup>, August 2023. The programme will be conducted by Ms. Nagalambika swamy, Department of Computer science.

**Co-ordinator**  
Ms. Nagalambika swamy  
Assistant Professor  
Dept. of Computer Science

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

M S Ramaiah Nagar  
MSRIT Post  
Bangalore 560 054

T +91 80 2360 0966/8597  
+91 80 2360 6905  
F +91 80 2360 6213

E principal.msrmcasc@gmail.com  
W www.msrmcasc.edu.in

## VALUE ADDED PROGRAMME

### Course Content

**Subject Name: R. Programming**

**No. of Hours: 30**

#### COURSE OBJECTIVES:

- Learn Fundamentals of R.
- Covers how to use different functions in R, how to read data into R, accessing R packages, writing R functions, debugging, and organizing data using R functions.
- Cover the Basics of statistical data analysis with case studies.
- The whole syllabus will give an idea to collect, compile and visualize data using statistical functions.

#### LEARNING OUTCOMES:

- Understand the basics of Fundamentals of R.
- Understands the loading, retrieval techniques of data.
- Understand how data is analysed and visualized using statistic functions.

**PREREQUISITES:** Any programming language

#### Course Contents:

Unit No.	Course Content	No of Lectures
1	<b>Introduction to R:</b> What is R? – Why R? – Advantages of R over Other Programming, Languages - R Studio: R command Prompt, R script file, comments –Input and Output – Entering Data from keyboard- Printing fewer digits or more digits – Special Values functions : NA, Inf and –inf. <b>R Data Types:</b> Vectors, Lists, Matrices, Arrays, Factors, Data Frame – <b>R Variables:</b> Variable assignment, Data types of Variable.	12
2	<b>Loading and handling Data in R: Getting and Setting the Working Directory</b> – getwd(), setwd(), dir() - <b>R-CSV Files</b> - Input as a CSV file, Reading a CSV File, Analyzing the CSV File: summary(), min(), max(), range(), mean(), median(), apply() - Writing into a CSV File – <b>R -Excel File</b> – Reading the Excel file.	12
3	<b>Working with R Charts and Graphs:</b> Histograms, Boxplots, Bar Charts, Line Graphs, Scatterplots, Pie Charts.	6





**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

## Value Added Programme on "R-Programming"

**Date: 28<sup>th</sup> June 2023 to 14<sup>th</sup> August 2023**

**Venue: MBA Computer Lab**

**Participants: IV Sem, BBA & BCOM**

**Resource Person: Ms. Nagalambika Swamy, Assistant Professor,  
Dept of Computer science, MSRCASC-Bangalore.**

**No of Students: BBA- 180  
BCom-180**

**Event coordinator: Ms. Nagalambika Swamy**

**Objective:** Get Introduced to R-Programming, Students will get an opportunity to Learn

- Fundamentals of R.
- Covers how to use different functions in R, how to read data into R, accessing R packages, writing R functions, debugging, and organizing data using R functions.
- Cover the Basics of statistical data analysis with case studies.
- The whole syllabus will give an idea to collect, compile and visualize data using statistical functions.
- Students will be given hands-on exposure to working on R-Projects.

### CourseOutline –

- Understand the basics of Fundamentals of R.
- Understands the loading, retrieval techniques of data.
- Understand how data is analysed and visualized using statistic functions.

M S Ramaiah Nagar  
MSRIT Post  
Bangalore 560 054

**T** +91 80 2360 0966/8597  
+91 80 2360 6905  
**F** +91 80 2360 6213

**E** principal.msrmcasc@gmail.com  
**W** www.msrmcasc.edu.in



## Report on Value added program on “R-Programming” From 28 June, 2023 to 14 August, 2023

Value added program on “**R-Programming**” conducted from 28, July 2023 to 14, August 2023, to BCom (Bachelor of Commerce) and BBA (Bachelor of Business Administration) students.

The objective of an R programming value-added course for BCom and BBA students is to equip them with practical skills in data analysis and statistical programming and practical skills and knowledge that can be applied to analyze business data, support decision-making processes, and enhance their career prospects in data-driven roles.

R is a popular programming language and environment for statistical computing and graphics, widely used in various fields, including finance, marketing, and business analytics.

**Total 180 students from BCOM and 180 students from BBA** has attended the program.

Used in MBA computer Lab1 which has 50 system with internet connection. Program was conducted from Monday to Friday 1 hrs each for BBA & BCom. And Its completely hand on session

specific objectives of an R programming course for BCom and BBA students:

1. **Data analysis skills:** BCom and BBA students often deal with large datasets in their coursework or when working with business-related data. Learning R enables them to effectively analyze and manipulate data, perform statistical tests, and derive meaningful insights.
2. **Data visualization:** R offers powerful data visualization capabilities, allowing students to create compelling graphs, charts, and interactive visualizations to communicate their findings effectively. Visual representation of data is crucial for presenting insights to stakeholders in a business context.
3. **Business analytics:** R is extensively used in the field of business analytics to extract insights from data, identify trends, and make informed decisions. Students can learn how to apply R to

real-world business problems, such as market segmentation, customer profiling, and demand forecasting.

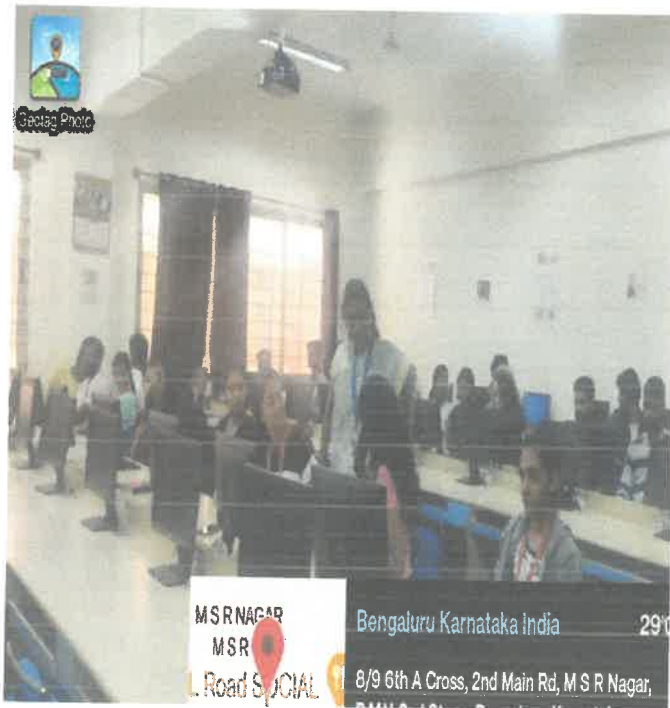
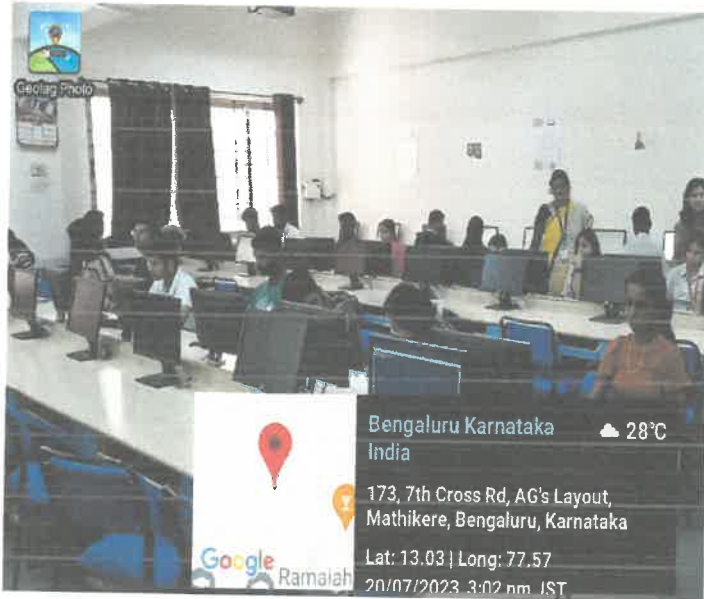
4. Automation and efficiency: R is known for its ability to automate repetitive tasks and streamline data processing workflows. By learning R, BCom and BBA students can enhance their efficiency in handling data-related tasks and gain a competitive edge in the job market.

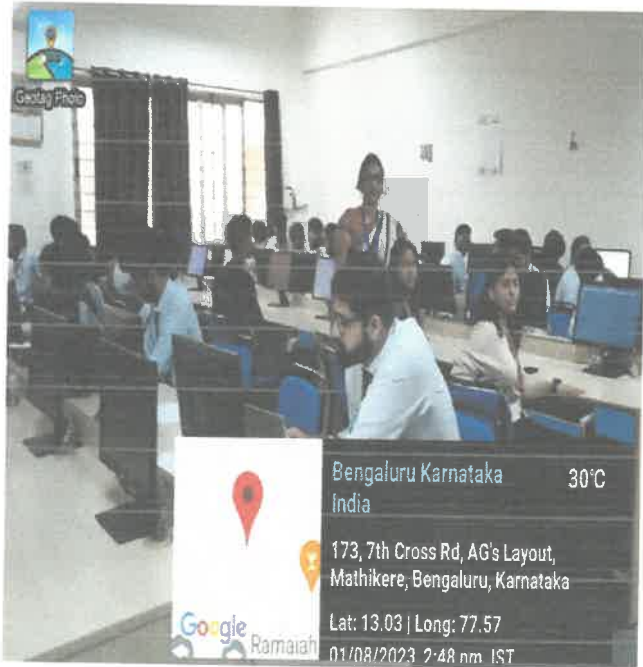
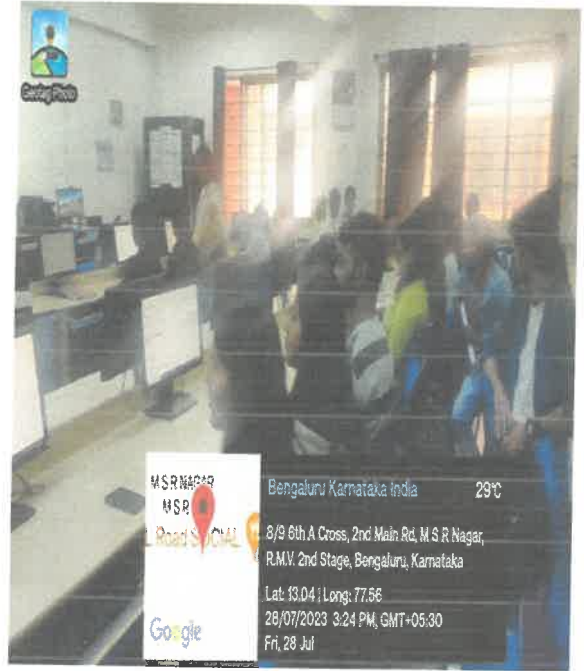
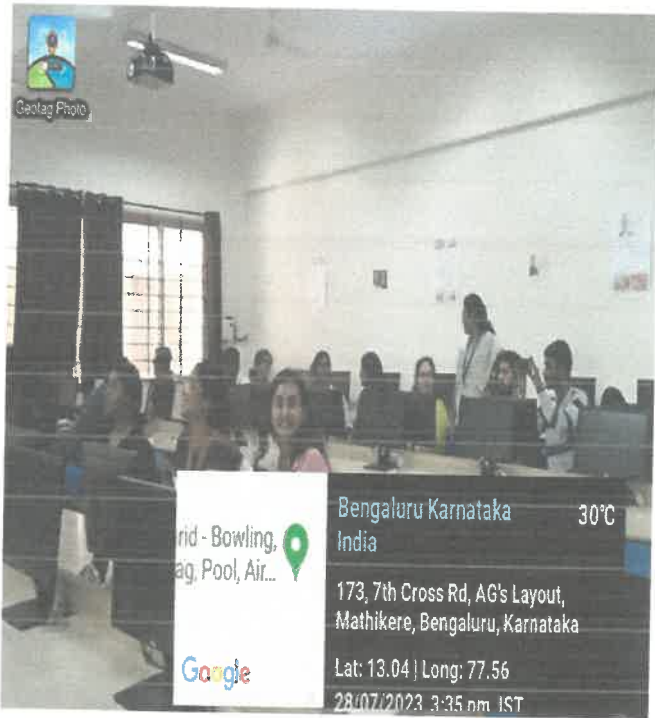
5. Integration with other tools: R can be seamlessly integrated with other programming languages and tools, such as Python, SQL databases, and Excel. Students can learn how to leverage R's interoperability to enhance their data analysis capabilities and work with diverse data sources.

### **LEARNING OUTCOMES:**

- Understand the basics of Fundamentals of R.
- Understand the loading, retrieval techniques of data.
- Understand how data is analysed and visualized using statistic functions.
- Create visually appealing and informative charts, graphs, and interactive visualizations using R

## Glimpse of R-Programming Value added program-2023









*Nagambika*

**Co-ordinator**  
Ms. Nagalambika swamy  
Assistant Professor  
Dept. of Computer Science

*Vatsale*

**Principal**  
Principal,  
M.S. Ramaiah College of Arts, Science & Commerce  
MSRIT Post, MSR Narasimhaiah Road,  
Bangalore - 560 075



**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

## VALUE ADDED PROGRAMME

on

**"R-Programming"**

**From: 28<sup>th</sup> June 2023 to 14<sup>th</sup> August 2023**

**Class: BBA 4<sup>th</sup> SEM**

### PROGRAMME SCHEDULE

Date	Topic	No. of hours
28/06/2023	Orientation about course	1
30/06/2023	Introduction about R What is R? – Why R?	1
12/07/2023	Advantages of R over Other Programming & other statistical Tools	2
13/07/2023	Installation of R & R-studio Softwares	2
14/07/2023	R Studio: R command Prompt, R script file	1
17/07/2023	comments –Input and Output – Entering Data from keyboard	1
17/07/2023	Printing fewer digits or more digits	2
21/07/2023	<b>R Data Types:</b> Vectors, Lists, Matrices	2
25/07/2023	Arrays, Factors, Data Frame	1

24/07/2023	Variable assignment, Data types of Variable	1
26/07/2023	Getting and Setting the Working Directory – getwd(), setwd(), dir()	1
28/07/2023	Hands on programs	2
31/07/2023	<b>R-CSV Files-</b> Input as a CSV file, Reading a CSV File,	1
01/08/2023	Writing a CSV File.	1
02/08/2023	Analyzing the CSV File: summary(), min(), max(), range(), mean(), median(), apply()	1
03/08/2023	<b>Excel File</b> – Reading the Excel file and hand on program	1
04/08/2023	Introduction about ggplot2 & installation of Packages.	2
10/08/2023	<b>R Charts and Graphs:</b> Histograms, Boxplots, Bar Charts Line Graphs, Scatterplots, Pie Charts	2
11/08/2023	CaseStudy Analysis of Retails stores	2
12/08/2023	CaseStudy Analysis of Cricket	2
14/08/2023	<b>Feedback &amp; Assessment</b>	2

**Co-ordinator**  
Ms. Nagalambika swamy  
Assistant Professor  
Dept. of Computer Science

**Principal**  
Principal,  
M.S. Ramaiah College of Arts, Science & Commerce  
MSRIT Post, MSR Nagar  
Bangalore - 560054



**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

## VALUE ADDED PROGRAMME

on

### "R-Programming"

From: 28<sup>th</sup> June 2023 to 14<sup>th</sup> August 2023

Class: B.Com 4<sup>th</sup> SEM

#### PROGRAMME SCHEDULE

Date	Topic	No. of hours
28/06/2023	Orientation about course	1
30/06/2023	Introduction about R What is R? – Why R?	2
03/07/2023	Advantages of R over Other Programming & other statistical Tools	1
12/07/2023	Installation of R & R-studio Softwares	1
13/07/2023	R Studio: R command Prompt, R script file	1
14/07/2023	comments –Input and Output – Entering Data from keyboard	1
17/07/2023	Printing fewer digits or more digits with programs	2
20/07/2023	R Data Types: Vectors, Lists, Matrices	2
21/07/2023	Arrays, Factors, Data Frame	1

26/07/2023	Variable assignment, Data types of Variable	1
28/07/2023	Getting and Setting the Working Directory – getwd(), setwd(), dir()	1
01/08/2023	R-CSV Files- Input as a CSV file, Reading a CSV File,	2
02/08/2023	Writing a CSV File.	1
03/08/2023	Analyzing the CSV File: summary(), min(), max(), range(), mean(), median(), apply()	1
04/08/2023	Excel File – Reading the Excel file and hand on program	2
10/08/2023	Introduction about ggplot2 & installation of Packages.	2
11/08/2023	<b>R Charts and Graphs:</b> Histograms, Boxplots, Bar Charts Line Graphs, Scatterplots, Pie Charts	2
12/08/2023	CaseStudy Analysis of Retails stores and Cricket	2
14/08/2023	<b>Feedback &amp; Assessment</b>	2

**Co-ordinator**  
Ms. Nagalambika swamy  
Assistant Professor  
Dept. of Computer Science

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

M S Ramaiah Nagar  
MSRIT Post  
Bangalore 560 054

T +91 80 2360 0966/8597  
+91 80 2360 6905  
F +91 80 2360 6213

E principal.msrmcasc@gmail.com  
W www.msrmcasc.edu.in



Class: B.Com

Section: B - 2023-2024

Sl.No	Reg.No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Date																
1	U18EV21C0098	SYED ZULFIQUAR AHMED	28/6	30/6	03/7	12/7	13/7	14/7	17/7	20/7	21/7	24/7	26/7	28/7	28/7	31/7	9/8
2	U18EV21C0099	TARUN S	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
3	U18EV21C0100	MITHUN N	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
4	U18EV21C0101	ANMOL KUMAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
5	U18EV21C0102	VISHNU J M	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
6	U18EV21C0103	GOVIND KARWA S	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
7	U18EV21C0104	NITHIN PRAKASH K	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
8	U18EV21C0105	SHREYAS P	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
9	U18EV21C0106	SANJANA D	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
10	U18EV21C0107	SANJANA SAHANI D	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
11	U18EV21C0108	POOJA M	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
12	U18EV21C0109	BINDU SHREE M R	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
13	U18EV21C0110	THANUSHREE H	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
14	U18EV21C0111	SINDU IRANNA BANDI	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
15	U18EV21C0112	MANOJ GOWDA K H	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
16	U18EV21C0113	VINAY LATHER	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
17	U18EV21C0114	SHREYAS V	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
18	U18EV21C0115	SHAMANTH B N	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
19	U18EV21C0116	ARYA P B	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
20	U18EV21C0117	SNEHA RAJ KUMAR G R	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
21	U18EV21C0118	ABDULLAH HAMMAD	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
22	U18EV21C0119	KARTHIK S	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
23	U18EV21C0121	KETHAN S	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
24	U18EV21C0122	SRI HARI V KANDAGALE	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
25	U18EV21C0123	AKASH MANOKUMAR PAWAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
26	U18EV21C0124	K A DHUREEN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
27	U18EV21C0125	VENU GOPAL M	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
28	U18EV21C0126	RANJAN SACHIN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present

*(Signature)*







Sl.No	Reg.No	Student Name																
		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
29	U18EV21C0127	VARUN KUMAR K		28/6	30/6	05/7	12/7	13/7	14/7	17/7	20/7	21/7	24/7	26/7	28/7	28/7	31/7	01/8
30	U18EV21C0128	ADI VAISHNAVI						A	B	S	E	N	T					
31	U18EV21C0129	HARINI M																
32	U18EV21C0130	VINODINI B																
33	U18EV21C0131	GAGAN H P																
34	U18EV21C0132	SHRAVANI M																
35	U18EV21C0133	SHASAN C																
36	U18EV21C0134	DHRUVA U							A	R	S	E	N	T				
37	U18EV21C0135	P BHARATH BHARADWAJ																
38	U18EV21C0136	RAJAT JAIN																
39	U18EV21C0137	MUHAMMED AMMAN K K																
40	U18EV21C0138	MOHAMMED KHALID							A	R	S	E	N	T				
41	U18EV21C0139	DEEPTHI M																
42	U18EV21C0140	PUSHKAR N																
43	U18EV21C0141	CHARAN M							A	R	S	E	N	T				
44	U18EV21C0142	SURAJ NAIR																
45	U18EV21C0143	MONISHA M																
46	U18EV21C0144	AMAN SINHA							A	R	S	E	N	T				
47	U18EV21C0145	SURABHI P U																
48	U18EV21C0146	MUTHU SUBRAMANYAM U																
49	U18EV21C0147	H G SANTHOSH																
50	U18EV21C0148	ARNAB DEY																
51	U18EV21C0149	BAARUN V																
52	U18EV21C0150	ABHISHEK SAMUEL																
53	U18EV21C0151	GUNDLLOOR HUZAIFA																
54	U18EV21C0152	T AMAL SHABIN																
55	U18EV21C0153	ADHIL K																
56	U18EV21C0154	ADITYA KUMAR																
57	U18EV21C0156	ADARSH MEHROTRA																
58	U18EV21C0157	NIKITA KUMARI																
59	U18EV21C0158	YASH RAJ							A	R	S	E	N	T				
60	U18EV21C0159	MUHAMMED MAZIN L P																

*Handwritten signature*



























# R-Programming Assessment Form-2023

Value Added Programme - Assessment

Email \*

Valid email address

This form is collecting email addresses. [Change settings](#)

STUDENT NAME \*

Short-answer text

REGISTER NO \*

1. What does R stand for in R programming? \*

- a) Real-time
- b) Reporting
- c) Random
- d) R-language

2. What is the output of the expression: `sqrt(16)` in R?

- a) 8
- b) 4
- c) 16
- d) 2

3. How can you install a package in R from the CRAN repository?

- a) `install_package("package_name")`
- b) `install.packages("package_name")`
- c) `package_install("package_name")`
- d) `pkg_install("package_name")`

4. What does the function 'mean()' do in R?

- a) Calculates the median
- b) Computes the standard deviation
- c) Calculates the arithmetic mean
- d) Returns the maximum value

5. Which operator is used to concatenate two vectors in R?

- a) +
- b) /
- c) &
- d) c()

6. How do you comment a single line in R? \*

- a) `// This is a comment`
- b) `/* This is a comment */`
- c) `# This is a comment`
- d) `% This is a comment`

8. Which package in R is commonly used for creating graphs and plots? \*

- a) dplyr
- b) ggplot2
- c) tidyr
- d) reshape2

9. How do you read an Excel file named "data.xlsx" into R using the "readxl" package? \*

- a) read\_xlsx("data.xlsx")
- b) read\_excel("data.xlsx")
- c) read\_excel("data.xls")
- d) read\_xlsx(file = "data.xlsx")

10. Which function is used to write data from R into an Excel file using the 'writexl' package? \*

- a) write\_excel()
- b) write\_xlsx()
- c) write.xlsx()
- d) write\_xls()

11. Which function is used to create a scatter plot in R?

- a) plot.scatter()
- b) scatter.plot()
- c) scatterplot()
- d) plot()

12. Which function is used to create a scatter plot in ggplot2? \*

- a) geom\_point()
- b) geom\_line()
- c) geom\_bar()
- d) geom\_histogram()
- Option 5



13. How do you add labels to the x and y-axis of a plot created with ggplot2?

- a) `labs(x_label = 'X-axis', y_label = 'Y-axis')`
- b) `xlab("X-axis") + ylab("Y-axis")`
- c) `x_label("X-axis") + y_label("Y-axis")`
- d) `xlabel("X-axis") + ylabel("Y-axis")`

14. Which function is used to create a bar plot with stacked bars in ggplot2?

- a) `geom_bar()`
- b) `geom_col()`
- c) `geom_barh()`
- d) `geom_stacked_bar()`

15. Which function is used to print the output in R?

- a) `print()`
- b) `display()`
- c) `show()`
- d) `output()`



**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

## Value Added Program

VALUE ADDED PROGRAMME

On R-Programming

From 28th June 2023 to 14th August 2023

Assessment Report

Branch: 4th sem, BBA

Value Added Programme: R-Programming

REGISTER NO	STUDENT NAME	Course	Section	Score
U18EV21M0009	Dhanakshi soni	BBA IV Sem	Section-A	26 / 30
U18EV21M0012	Akshath Rajeev	BBA IV Sem	Section-A	20 / 30
U18EV21M0018	Dipto Saha	BBA IV Sem	Section-A	24 / 30
U18EV21M0020	BALASRINIVASAN R	BBA IV Sem	Section-A	24 / 30
U18EV21M0025	G Mukesh	BBA IV Sem	Section-A	30 / 30
U18EV21M0037	B Jayasurya	BBA IV Sem	Section-A	24 / 30
U18EV21M0071	Akash kumar sharma	BBA IV Sem	Section-A	28 / 30
U18EV21M0092	Bandi Susritha Reddy	BBA IV Sem	Section-A	30 / 30
U18EV21M0101	Arshalakshmi talukdar	BBA IV Sem	Section-A	30 / 30
U18EV21M0152	Chetana.P	BBA IV Sem	Section-A	26 / 30
U18EV21M0208	Anas Ather.A	BBA IV Sem	Section-A	28 / 30
U18EV21M076	Amar nath Dubey	BBA IV Sem	Section-A	26 / 30
U18EV21M0004	Priyanshu raj	BBA IV Sem	Section-B	22 / 30
U18EV21M0013	GANGARAPU SAI SAMPREETHI	BBA IV Sem	Section-B	26 / 30
U18EV21M0026	Hemalahari.M	BBA IV Sem	Section-B	26 / 30
U18EV21M0029	Bhuvanakh	BBA IV Sem	Section-B	28 / 30
U18EV21M0067	Karthikeyan.N	BBA IV Sem	Section-B	16 / 30
U18EV21M0081	Karan Raj D	BBA IV Sem	Section-B	12 / 30
U18EV21M0097	Kishlay kaushal	BBA IV Sem	Section-B	22 / 30
u18ev21m0105	Naman kumar	BBA IV Sem	Section-B	22 / 30
U18EV21M0106	Guru Ethiraj M	BBA IV Sem	Section-B	30 / 30
U18EV21M0107	Juli Jaiswal	BBA IV Sem	Section-B	30 / 30
U18EV21M0133	Muskaan Randhawa	BBA IV Sem	Section-B	24 / 30

U18EV21M0138	Mustipalli.Vinitha sai	BBA IV Sem	Section-B	28 / 30
U18EV21M0197	Madhavan .S	BBA IV Sem	Section-B	22 / 30
U18EV21M0008	Satyam Shovit	BBA IV Sem	Section-C	30 / 30
U18EV21M0010	Roshan Kumar	BBA IV Sem	Section-C	22 / 30
U18EV21M00159	Vishnu A	BBA IV Sem	Section-C	28 / 30
U18EV21M0022	Vennela Raju R	BBA IV Sem	Section-C	28 / 30
U18EV21M0039	Sujal Das	BBA IV Sem	Section-C	30 / 30
U18EV21M0046	Sameer Kumar	BBA IV Sem	Section-C	22 / 30
U18EV21M0048	Vivek Thakur	BBA IV Sem	Section-C	28 / 30
u18ev21m0049	Rohit Basak	BBA IV Sem	Section-C	28 / 30
U18EV21M0051	Spandana pundaleeka	BBA IV Sem	Section-C	22 / 30
U18EV21M0070	Sahil Ghosh	BBA IV Sem	Section-C	22 / 30
U18EV21M0074	Sindhu M	BBA IV Sem	Section-C	22 / 30
U18EV21M0074	SINDHU M	BBA IV Sem	Section-C	26 / 30
U18EV21M0074	Sindhu M	BBA IV Sem	Section-C	30 / 30
U18EV21M0075	Rakshitha N	BBA IV Sem	Section-C	28 / 30
U18EV21M0079	Vijay sahani	BBA IV Sem	Section-C	30 / 30
U18EV21M0080	Venkatesh Bagewadi	BBA IV Sem	Section-C	24 / 30
U18EV21M0082	Soumya.C.S	BBA IV Sem	Section-C	28 / 30
U18EV21M0082	Soumya.C.S	BBA IV Sem	Section-C	28 / 30
U18EV21M0088	SWATHI. MS	BBA IV Sem	Section-C	26 / 30
U18EV21M0108	Soumyadip Das	BBA IV Sem	Section-C	22 / 30
U18EV21M0110	Sneha Dey	BBA IV Sem	Section-C	22 / 30
U18EV21M0116	SAPNA KUMARI	BBA IV Sem	Section-C	24 / 30
U18EV21M0134	Yamuna sruthi	BBA IV Sem	Section-C	28 / 30
U18EV21M0135	P.kanisha	BBA IV Sem	Section-C	22 / 30
U18EV21M0161	RUKSAR FATHIMA	BBA IV Sem	Section-C	30 / 30
U18EV21M0210	Shriya	BBA IV Sem	Section-C	28 / 30



**Co-ordinator**

Ms. Nagalambika swamy

Assistant Professor

Dept. of Computer Science



**Principal**

Principal,

M.S. Ramaiah College of Arts, Science & Commerce

MSRIT Post, MSR No.

Bangalore - 560 054

M S Ramaiah Nagar  
MSRIT Post  
Bangalore 560 054

T +91 80 2360 0966/8597  
+91 80 2360 6905  
F +91 80 2360 6213

E principal.msrmcasc@gmail.com  
W www.msrmcasc.edu.in



**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

## Value Added Program

On R-Programming

From 28th June 2023 to 14th August 2023

### Assessment Report


**Branch: 4th sem, BCOM**


**Value Added Programme: R-Programming**

REGISTER NO	STUDENT NAME	Section	Course	Score
U18EV21C0006	Aishwarya BM	Section-A	BCOM IV SEM	28 / 30
U18EV21C0019	Neethu Naidu G	Section-A	BCOM IV SEM	26 / 30
U18EV21C0007	Saleena Ayman	Section-A	BCOM IV SEM	28 / 30
U18EV21C0063	Zoya samreen	Section-A	BCOM IV SEM	28 / 30
U18EV21C0042	Shaik Shadab	Section-A	BCOM IV SEM	28 / 30
U18EV21C0027	K Aravind	Section-A	BCOM IV SEM	28 / 30
U18EC21C0013	B Sai Himaja	Section-A	BCOM IV SEM	30 / 30
U18EV21C0035	Chinni Krishna Naidu y	Section-A	BCOM IV SEM	28 / 30
U18EV21C0056	Yogitha GN	Section-A	BCOM IV SEM	28 / 30
U18EV21C0045	Yashaswini PN	Section-A	BCOM IV SEM	30 / 30
U18EV21C0024	Harish K	Section-A	BCOM IV SEM	30 / 30
U18EV21C0014	Kavya mn	Section-A	BCOM IV SEM	28 / 30
U18EV21C0044	V Shirisha	Section-A	BCOM IV SEM	30 / 30
U18EV21C0017	Bharath rao r	Section-A	BCOM IV SEM	30 / 30
U18EV21C0043	Nikhil kumar chikkamath	Section-A	BCOM IV SEM	28 / 30
U18EV21C0050	Bhoomikaa V	Section-A	BCOM IV SEM	28 / 30
U18EV21C0008	Soundarya B	Section-A	BCOM IV SEM	30 / 30
U18EV21C0006	Aishwarya BM	Section-A	BCOM IV SEM	28 / 30

U18EV21C0018	Kavya K V	Section-A	BCOM IV SEM	28 / 30
U18EV21C0037	Aparna A	Section-A	BBA IV Sem	30 / 30
U18EV21C0003	Gangothri gowda A	Section-A	BCOM IV SEM	30 / 30
U18EV21C0022	Pooja. M	Section-A	BCOM IV SEM	18 / 30
U18EV21C0010	Puneeth mr	Section-A	BCOM IV SEM	26 / 30
U18Ev21c0005	Shamitha.s	Section-A	BCOM IV SEM	30 / 30
U18EV21C0049	Vishwa	Section-A	BCOM IV SEM	30 / 30
U18EV21C0009	Dhaneshwari H	Section-A	BCOM IV SEM	28 / 30
U18EV21C0058	Avinash K	Section-A	BCOM IV SEM	24 / 30
U18EV21M0054	Muhammed Tariq Khan	Section-B	BBA IV Sem	30 / 30
U18EV21C0125	Venu Gopal M	Section-B	BCOM IV SEM	28 / 30
U18EV21C0080	Saish N	Section-B	BCOM IV SEM	28 / 30
U18EV21C0101	Anmol kumar	Section-B	BCOM IV SEM	28 / 30
U18EV21C0090	Saurabh Kumar Singh	Section-B	BCOM IV SEM	28 / 30
U18EV21C0072	Prasannagouda Patil	Section-B	BCOM IV SEM	28 / 30
U18EV21C0091	Syed meeran basha	Section-B	BCOM IV SEM	30 / 30
U18ev21c0007	Abhi	Section-B	BCOM IV SEM	14 / 30
U18EV21C0075	Nayana.C	Section-B	BCOM IV SEM	24 / 30
U18EV21C0105	Shreyas P	Section-B	BCOM IV SEM	30 / 30
U18EV21C0114	Shreyas V	Section-B	BCOM IV SEM	30 / 30
U18EV21C0074	Nandan C	Section-B	BCOM IV SEM	24 / 30
U18EV21C0121	Kethan	Section-B	BCOM IV SEM	30 / 30
U18EV21C0064	Keerthi Kishen	Section-B	BCOM IV SEM	24 / 30
U18EV21C0089	Darshita Kataria	Section-B	BCOM IV SEM	28 / 30
U18EV21C0077	Suresh L	Section-B	BCOM IV SEM	30 / 30
U18EV21COO78	Sathish L	Section-B	BCOM IV SEM	30 / 30
U18EV21C0082	Limra fathima	Section-B	BCOM IV SEM	30 / 30
U18EV21C0116	Arya P B	Section-B	BCOM IV SEM	30 / 30
U18EV21C0098	Syed Zulfiqar Ahmed	Section-B	BCOM IV SEM	12/30
U18EV21C0109	Bindu Shree M R	Section-B	BCOM IV SEM	30 / 30
U18EV21C0088 (B Section)	SOMASUNDAR A	Section-B	BCOM IV SEM	30 / 30

U18EV21C0104	Nithin prakash k	Section-B	BCOM IV SEM	30 / 30
U18EV21CO078	Sathish L	Section-B	BCOM IV SEM	30 / 30
U18EV21C0104	Nithin Prakash	Section-B	BCOM IV SEM	26 / 30
U18EV21C0098	Syed Zulfiquar Ahmed	Section-B	BCOM IV SEM	30 / 30
U18EV21C0123	Akash.ManojKumar.Pawar	Section-B	BCOM IV SEM	18 / 30
U18EV21C0146	Muthu Subramanyam U	Section-C	BCOM IV SEM	26 / 30
U18EV21C0162	Iqra fatima	Section-C	BCOM IV SEM	26 / 30
U18EV21CO139	Deepthi. M	Section-C	BCOM IV SEM	30 / 30
U18EV21C0144	Aman Sinha	Section-C	BCOM IV SEM	30 / 30
U18EV21C0156	Adarsh Mehrotra	Section-C	BCOM IV SEM	30 / 30
U18EV21C0143	Monisha. M	Section-C	BCOM IV SEM	28 / 30
U18EV21C0190	Arpitha B M	Section-C	BCOM IV SEM	30 / 30
U18EV21C0132	Shravani M	Section-C	BCOM IV SEM	30 / 30
U18EV21C0145	Surabhi Pu	Section-C	BCOM IV SEM	30 / 30
U18EV21C0130	Vinodini B	Section-C	BCOM IV SEM	30 / 30
U18EV21C0136	Rajat jain	Section-C	BCOM IV SEM	30 / 30
U18EV21C0182	Deepak Jain	Section-C	BCOM IV SEM	30 / 30
U18EV21CO185	Joselyn	Section-C	BCOM IV SEM	30 / 30
U18EV21C0157	Nikita Kumari	Section-C	BCOM IV SEM	20 / 30

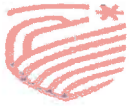
  
**Co-ordinator**  
 Ms. Nagalambika swamy  
 Assistant Professor  
 Dept. of Computer Science

  
**Principal**  
 Principal,  
 M.S. Ramaiah College of Arts, Science & Commerce  
 MSRIT Post  
 Bangalore

M S Ramaiah Nagar  
 MSRIT Post  
 Bangalore 560 054

T +91 80 2360 0966/8597  
 +91 80 2360 6905  
 F +91 80 2360 6213

E principal.msrmcasc@gmail.com  
 W www.msrmcasc.edu.in



**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

## Feedback Responses

**Branch:** 4<sup>th</sup> sem, BCOM & BBA, MS Ramaiah College of Arts, Science and Commerce

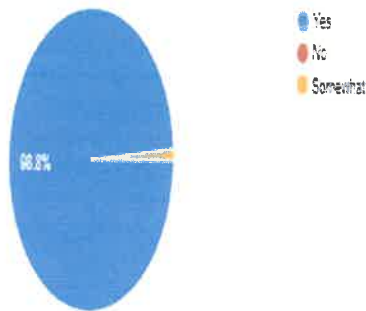
**Value Added Programme:** R-Programming

**Date:** 28th June 2023 to 14th August 2023

**No. of Students Feedback Responses:** 82

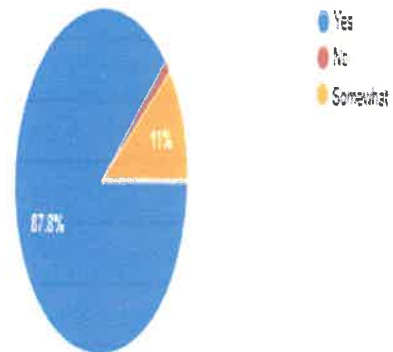
Did the faculty demonstrate a genuine interest in the students' understanding of the course material and progress in the R course?

82 responses



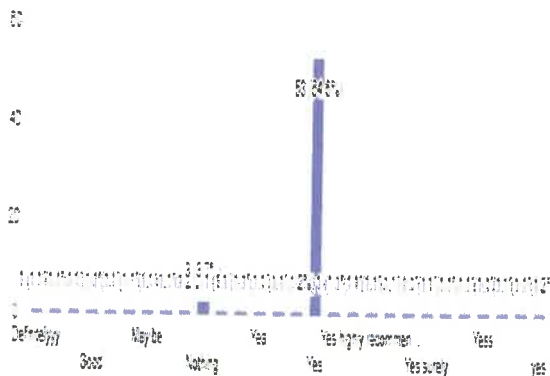
Did the faculty provide clear presentations, handouts, and assignments?

82 responses



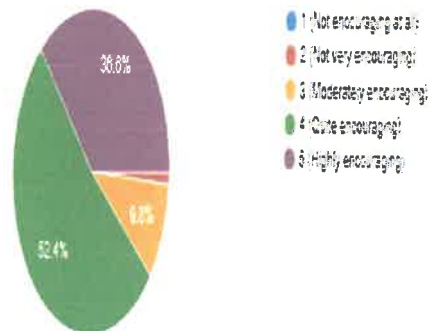
Would you recommend this faculty member for teaching other R courses in the future?

82 responses



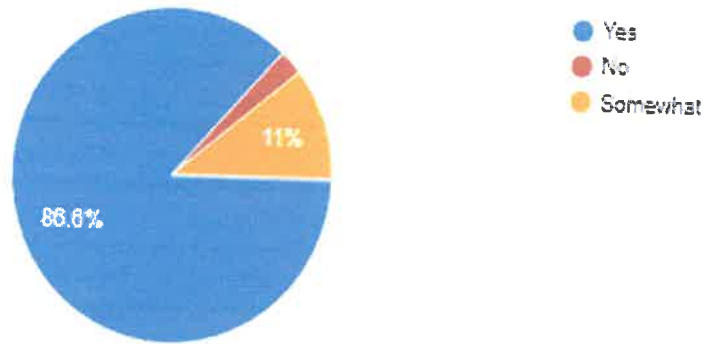
On a scale of 1 to 5, how well did the faculty encourage and facilitate class discussions and student participation?

82 responses



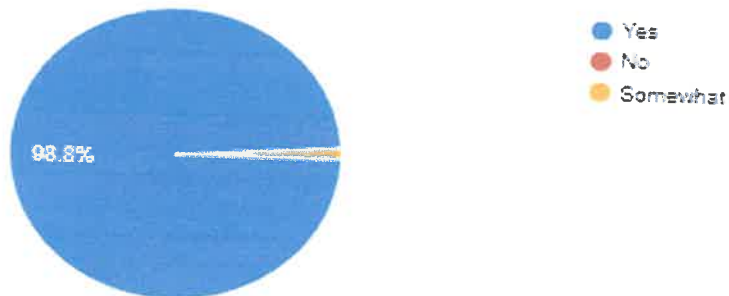
Did the faculty use relevant examples and real-world scenarios to enhance your understanding of R concepts?

82 responses



Have your Skill/knowledge increased as a result of participating in the event?

82 responses



**Co-ordinator**  
Ms. Nagalambika swamy  
Assistant Professor  
Dept. of Computer Science

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

M S Ramaiah Nagar  
MSRIT Post  
Bangalore 560 054

T +91 80 2360 0966/8597  
+91 80 2360 6905  
F +91 80 2360 6213

E principal.msrmcasc@gmail.com  
W www.msrmcasc.edu.in





**RAMAIAH**

College of Arts, Science &  
Commerce

ಎಮ್ ಎಸ್ ರಾಮಾಯ್ 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

**CERTIFICATE**

This is to certify that **GANGOTHRI GOWDA A of BCOM IV Semester** has participated and successfully completed the assessment in Value Added Program on "R-Programming" held from 28th June to 14th August 2023 Organized by the M. S. Ramaiah College of Arts, Science and Commerce, Bangalore.

**Ms. Nagalambika Swamy**

IN-House Trainer

MSRCASC, Bangalore

Principal

MSRCASC, Bangalore



**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

**CERTIFICATE**

This is to certify that JALADANKI PHALGUNA of BBA IV Semester has participated and successfully completed the assessment in Value Added Program on "R-Programming" held from 28th June to 14th August 2023 Organized by the M. S. Ramaiah College of Arts, Science and Commerce, Bangalore.

**Ms. Nagalambika Swamy**

IN-House Trainer

MSRCASC, Bangalore

**Dr. Vatsala G**

Principal

MSRCASC, Bangalore