



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/CSc/21-22/018

Date: 04/05/2022

CIRCULAR

Department of Computer Science

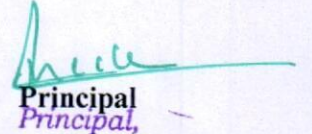
This is to inform to all the BCA students that the department is conducting a Value added course on **"Data Analytics and Data Visualization using Tableau"** from 10th to 25th May 2022. Students who are interested can enrol your names to Mrs Shilpa Nayak on or before 8th May 2022. The resource person is Mr. Rajesh Harikrishnan, Asst. Professor, Firebird Institute of Research Management, Coimbatore.

Registration link: <https://forms.gle/gzZTrVPHQCPaueC46>

Meeting link : <http://meet.google.com/ats-jxsk-xyx>


HOD

Head Of The Department Of Computer Science,
M. S. Ramaiah College Of
Arts Science And Commerce
MSRIT Post, Bangalore - 560 054


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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 post graduate degrees offered by Bengaluru Central University approved by AICTE, New Delhi, recognized by the Government of Karnataka. The college is also recognized by UGC under 2f and 12b of UGC Act 1956, re-accredited "A" grade by NAAC and has ranked 62nd in a NIRF ranking and 1st among the best colleges of Karnataka

About The Department

The Computer Science Department of RCASC aims to educate students in the science and practice of IT. The emphasis is on hands on practical training of software development.. The program enables the student to be updated on the latest revolution on technology and equips the students with the required skills and knowledge to assimilate into the industry at ease.

Objective & Outcome of the Program

Objective: How to explore and manage the data in industries.

Outcome: Understand how to evaluate models generated from data. Apply the reporting tools using Tableau.

Event Coordinator

Shilpa Nayak, Asst.Professor, MSRCASC

Patrons

Dr. M R Jayaram Chairman, GEF
Sri M R Janakiram Director, GEF
Sri M R Kodandaram Director, GEF
Sri B S Ramprasad Chief Executive GEF(E & GS)
Sri G Ramachandra Chief of Finance GEF(E & GS)

Organizing Committee

Dr A Nagarathna Principal, RCASC.
Dr Prathiba V Kalburgi, HOD
Mrs Haripriya G S, Assistant professor
Mrs Suma C Assistant Professor
Mr Lakshnipathi V Assistant Professor
Mrs R Srividya, Assistant Professor
Mrs Dhanashree Vaishali, Asst. Professor
Mrs Savitri K Asst. Professor

Resource Person

Mr. Rajesh Harikrishnan, Assistant Professor,
Firebird Institute of Research in Management
Coimbatore, Tamil Naidu



Value Added Course on Data Analytics and Data Visualization using Tableau



13th May 2022 onwards



Venue : Online

Registration link:

<https://forms.gle/gzZTrVPHQCPaueC46>

Meeting link : <http://meet.google.com/ats-jxsk-xyx>

Organized by
Computer Science Department

M S Ramaiah College of Arts, Science &
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Department of Computer Science

Report on

Value Added Course - Data Analytics and Data Visualization using Tableau

Date: 13-05-2022 to 12-06-2022

Time: 05:00 PM

Online Platform: Google Meet - meet.google.com/nxg-yaqy-isc

Resource Person: Mr. Rajesh Harikrishnan,

Assistant Professor,

Dept. of Information Systems and Analytics Research Squad,

Firebird Institute of Research in Management,

Golf Club Road, Chettipalayam,

Coimbatore, Tamilnadu

No. of Participants: 107 – BCA Students

Course Duration: 30 Hours

Coordinator: Mrs. Shilpa Nayak, Asst. Prof, Department of CS, MSRCASC

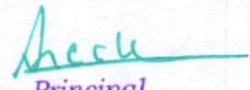
Objective of the program: In this course, students will be introduced to the field of data analytics and data visualization with the various tools Tableau Public offers. Through concepts and exercises, they will learn to identify datasets to connect to, explore, analyse, filter and structure their data to create their desired visualizations.

Course Outline:

1. Introduction to Data Analytics
2. Foundations for building Data Visualizations
3. Tableau – Visualization: Charts, Tooltips, Maps,
4. Creating Dashboards & Stories
5. Formatting Visualizations
6. Manipulating Data in Tableau
7. Tableau Operations
8. Advanced Visualization
9. Charts & Graphs in Tableau
10. Tableau Functions

Mr. Rajesh Harikrishnan, gave a fantastic presentation giving us the information regarding basic knowledge of Data Analysis and Data Visualization which helps us communicate data more effectively. Tableau is a data analytics and visualization tool. It's the leading data analytics and visualization tool in the market. Tableau comes with a very easy drag-drop interface which makes it easy to learn and you can work on almost every type of data in Tableau. It uses visual elements to tell a story within the data while making it more engaging and easily accessible. This makes it an excellent choice for data analysts. This course provided hands-on information, taught by an experienced trainer.

Students learned the essential features of the Tableau, which is important in order to work on it:


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- Installation of Tableau,
- Understanding different sections in Tableau,
- Process of accessing data sets.
- How to use filters on geographical locations, and how to label charts.
- Time Series Analysis, combining fields, and how to find grand total and running total, Table calculations.
- How to keep reference points, and how to apply waterfall set up,
- Tree map, and scatter chart.
- Various functions such as logical, numeric, string, and relational.

All the above exercises were worked on different data sets such as:

- Super Store Data Set
- Flipkart,
- car parking,
- agriculture,
- Big basket
- IPL cricket

The sessions were interactive and involved students' active participation. The students gave positive feedback about the course.

The certificates were given to the participants after the successful completion of the course by assessing their knowledge gained during this course. The gained knowledge was assessed using the assessment procedure.

Assessment Procedure:

Criteria	Marks
MCQ	20
Attendance	10
Practical Exercise	10
Total	40

Learning outcomes:

- Understand how to evaluate models generated from data and apply the reporting tools using Tableau.
- Design effective data visualizations in order to provide new insights into a research question or communicate information to the viewer.
- Find and select appropriate data that can be used in order to create a visualization that answers a particular research question.
- Handle data and data visualizations in a manner that demonstrates an understanding of ethical considerations surrounding data (including data storage, citation, and protection).
- Properly document and organize data and visualizations in order to prepare them for reuse.

Heck

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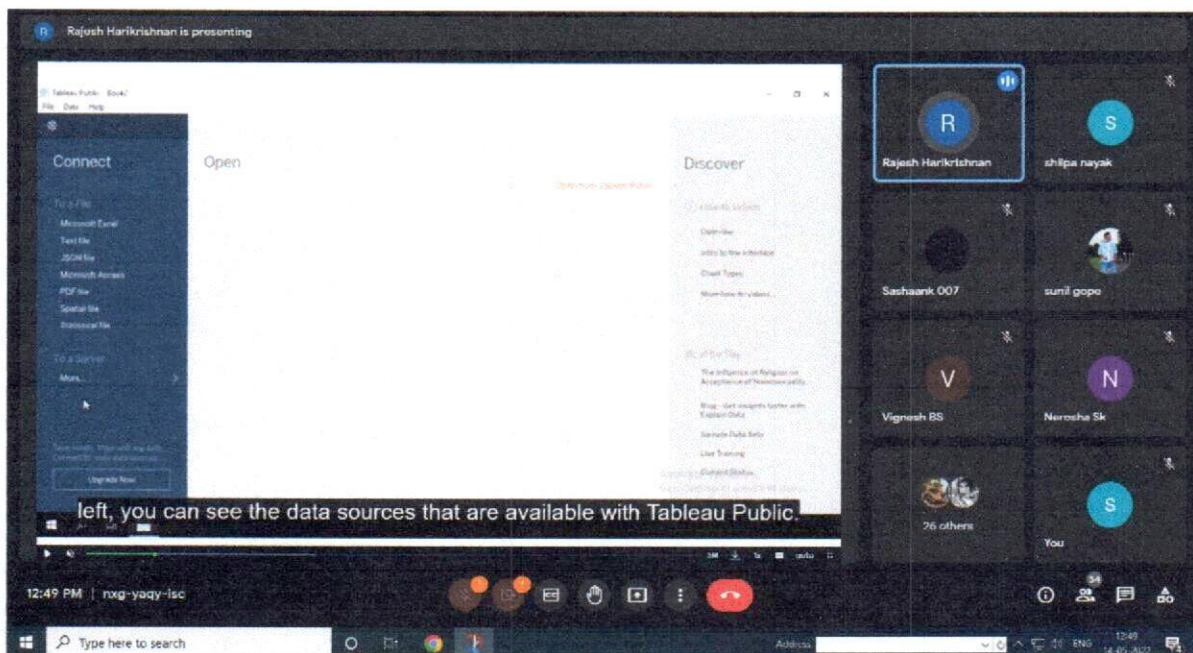
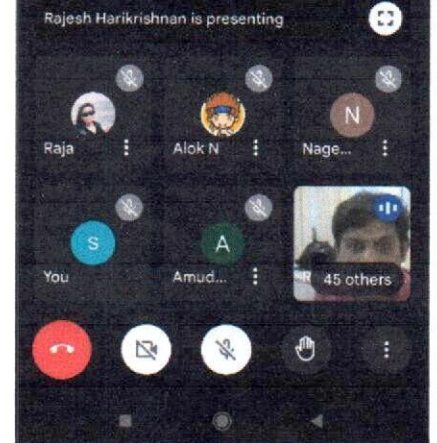
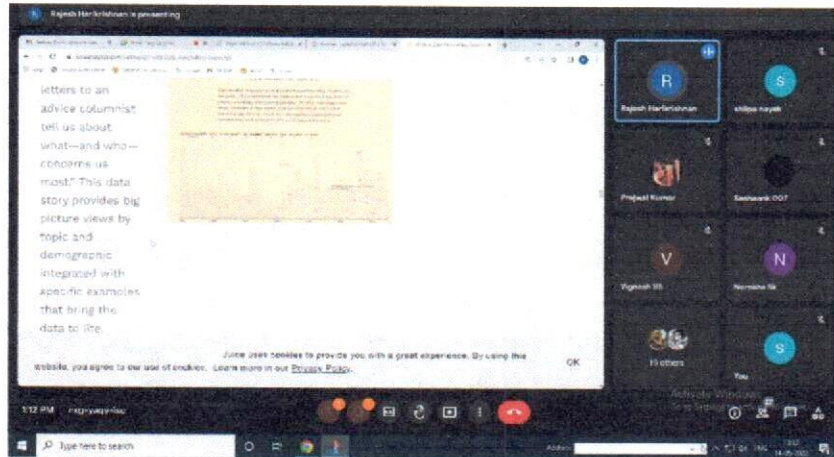
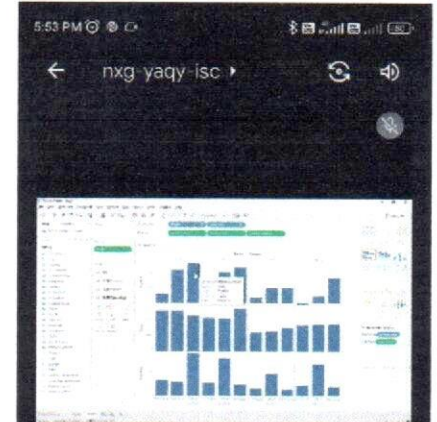
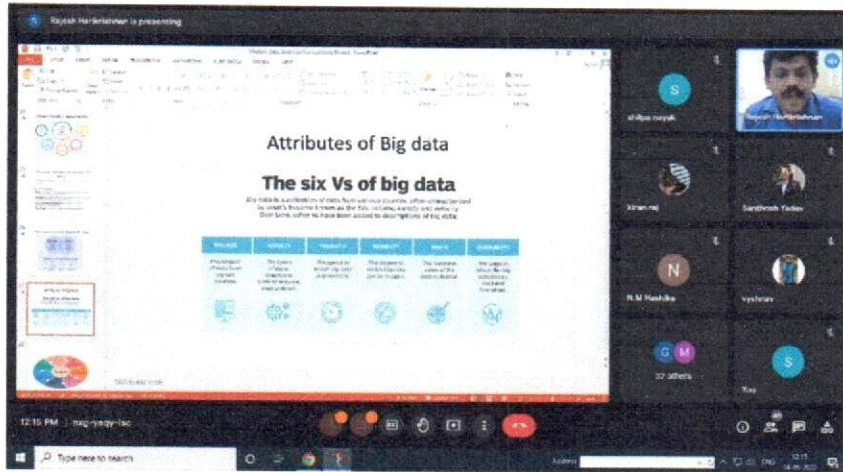


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Data Analytics and Data Visualization using Tableau

13th May 2022 to 12th June 2022



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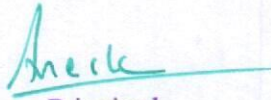
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VAC - Data analytics using Tableau

MCQs

30 Questions

- Tableau was introduced in the year of
 - 2000
 - 2002
 - 2003**
 - 2005
- Tableau was founded by
 - Chris Stolte**
 - Chris Jordan
 - Alexander Fleming
 - Chris Morris
- Tableau is ____
 - Tableau is a people in Business Intelligence Industry
 - Tableau is suitable for factory industry only
 - Tableau is a new alternative for data programming
 - Tableau is a powerful and fastest growing data visualization tool used in the Business Intelligence Industry**
- Views in Tableau ____
 - Dashboard
 - Story
 - Sheet
 - All of above**
- Which of the following is NOT a Tableau Field data type?
 - String
 - Number (whole)
 - Boolean
 - Float**
- What are the components of a Dashboard?
 - Horizontal
 - Vertical
 - Image Extract
 - All of the above**
- Which of the following Data Pane items cannot be dragged onto the Filters Shelf?
 - Measures
 - Dimensions
 - Parameters**
 - Sets
- What are the file extensions in Tableau?
 - Tableau Workbook (.twb)


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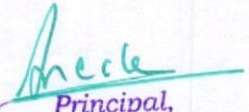
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- b) Tableau Packaged Workbook (.twbx)
c) Tableau Data Source(.tds)
d) **All of the above**
9. Which of the following allows tableau publicly accessible?
a) Tableau Reader
b) Tableau Desktop
c) **Tableau Public**
d) None of Above
10. The Tableau Product Suite consists of _____
a) Tableau Desktop ,Tableau Public, Tableau Online, Tableau Server, Tableau Measure
b) **Tableau Desktop, Tableau Public ,Tableau Online ,Tableau Server ,Tableau Reader**
c) Tableau Desktop ,Tableau Public ,Tableau Dimension ,Tableau Server, Tableau Reader
d) Tableau Desktop ,Tableau Public ,Tableau Online, Tableau Server ,Tableau Organic
11. Who is the parent company of Tableau?
a) Microsoft
b) **Salesforce**
c) Workday
d) Google
12. Visualization Tools are
a) Qlikview
b) Power BI
c) Sisense
d) **All of the above**
13. Current Version of Tableau is
a) 2020.1
b) 2020.2
c) **2020.3**
d) 2020.4
14. Marks secured in a exam is
a) Dimension
b) **Measure**
c) Attribute
d) Table
15. Order Date of product is
a) **Dimension**
b) Measure
c) Attribute
d) Table
16. Which of the following is true about big data?
a) Big data can be processed using traditional techniques


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- b) Big data refers to data sets that are at least a petabyte in size
- c) Big data analysis does not involve reporting and data mining techniques
- d) Big data has low velocity meaning that it is generated slowly

17. Tableau is used to create

- a) Dashboards
- b) Data stories
- c) Geographical visualization
- d) All of the above

18. There are _____ forms of Big Data.

- a) 3
- b) 5
- c) 7
- d) 9

19. What are the V's of big data?

- a) Volume, Velocity
- b) Variety, Variability
- c) Veracity, Visualization, and Value.
- d) All of the above

20. The types of Big Data are _____.

- a) Structured Data
- b) Semi-Structured Data
- c) Unstructured Data
- d) All of the above

21. Facebook Tackles Big Data With _____

- a) Prism
- b) Prism Data
- c) Project Prism
- d) None of the above

22. The examples of Big Data are _____.

- a) stock exchanges
- b) jet engines
- c) social media sites
- d) All of the above

23. Advantage(s) of Big Data is(are)___

- a) Big data analysis derives innovative solutions.
- b) Big data analysis helps in understanding and targeting customers.
- c) It helps in optimizing business processes.
- d) All of the above

24. Advantages of Big Data are _____

- a) Big data analysis derives innovative solutions.
- b) Big data analysis helps in understanding and targeting customers.
- c) It helps in optimizing business processes.

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- d) All of the above
25. What is true about data visualization?
- a) Data Visualization helps users in analyzing a large amount of data in a simpler way
 - b) Data Visualization makes complex data more accessible, understandable, and usable
 - c) Data Visualization is a graphical representation of data
 - d) All of the above
26. Data visualization tools provide an accessible way to see and understand _____ in data.
- a) trends
 - b) outliers
 - c) patterns
 - d) All of the above
27. Which method shows hierarchical data in a nested format?
- a) Treemaps
 - b) Scatter plots
 - c) Area charts
 - d) Population pyramid
28. The importance of data visualization are
- a) Leading the target audience to focus on business insights to discover areas that require attention
 - b) Revealing previously unnoticed key points about the data sources to help decision makers compose data analysis reports
 - c) Helping decision makers understand how the business data is being interpreted to determine business decisions
 - d) All of the above
29. What are the benefits of data visualization?
- a) Better analysis
 - b) Identifying patterns
 - c) Exploring business insights
 - d) All of the above
30. A _____ is a line that provides an approximation of the relationship between the variables.
- a) Sparkline
 - b) Gridline
 - c) Trendline
 - d) Dropline

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M S Ramaiah College of Arts, Science and Commerce

Value Added Course - Data Analytics and Data Visualization using Tableau

Date: 13th May 2022 to 12th June 2022

Student List

Sl.No	Timestamp	Name	Email	Reg. No	Course	Sem
1	2022/05/10 10:31:30 AM GMT+5:30	Nerosha SK	nerosha2001sk@gmail.com	R1917643	BCA	6
2	2022/05/10 11:08:25 AM GMT+5:30	Rajshri Majhi	rajshrimajhi@gmail.com	R1917659	BCA	6
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4	2022/05/10 11:25:22 AM GMT+5:30	Pradeep E	pradeerakee@gmail.com	R1917651	BCA	6
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8	2022/05/10 8:22:06 AM GMT+5:30	Tushar Pokar	tusharpokar77@gmail.com	R2107672	BCA	4
9	2022/05/10 8:32:59 AM GMT+5:30	Madhavi Hathwar P	madhavihathwar@gmail.com	R1917634	BCA	6
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12	2022/05/10 9:04:45 AM GMT+5:30	Pranshu Anand	pranshu29anand@gmail.com	R1917654	BCA	6
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82	2022/05/12 7:46:19 PM GMT+5:30	Harsh	harshsingh25102002@gmail.com		BCA	4
83	2022/05/12 7:47:18 PM GMT+5:30	Hemanshi bhatt	HEMANSHIBHATT2003@GMAIL.COM	20BCA23	BCA	4
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85	2022/05/12 7:51:24 PM GMT+5:30	Manjunath A Gaded	manjunathgaded46@gmail.com	R1917637	BCA	6
86	2022/05/12 7:52:52 PM GMT+5:30	Shilpa v	shilpatweet@gmail.com	R2017662	BCA	4
87	2022/05/12 7:52:56 PM GMT+5:30	Rajalakshmi Y V	rajalakshmi3698@gmail.com	R1917658	BCA	6
88	2022/05/12 7:56:19 PM GMT+5:30	Sushmitha Singh .P	sushmitha2820@gamil.com	R1917671	BCA	6
89	2022/05/12 7:57:18 PM GMT+5:30	Tanvi Gupta	guptatanvi2001@gmail.com	R1917673	BCA	6
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92	2022/05/12 7:58:26 PM GMT+5:30	Sheela. B	sheelabalu003@gmail.com	R2017661	BCA	4
93	2022/05/12 8:00:04 PM GMT+5:30	Vignesh Lokesh P G	vignesh.lokesh2002@gmail.com	R2017675	BCA	4
94	2022/05/12 8:01:23 PM GMT+5:30	P. Persi Priscilla	persipriscilla5@gmail.com	R2017638	BCA	4
95	2022/05/12 8:02:40 PM GMT+5:30	Gorantla Yeshaswini	yeshureddy91@gmail.com	R2017620	BCA	4
96	2022/05/12 8:09:15 PM GMT+5:30	Supriya GR	ravisupriya176@gmail.com	R2017668	BCA	4
97	2022/05/12 8:15:11 PM GMT+5:30	Spandana NC	spandananc90@gmail.com	R1917669	BCA	6
98	2022/05/12 8:21:42 PM GMT+5:30	Jason Martin Dsouza	jasondsouza2002@gmail.com	R2017626	BCA	4
99	2022/05/12 8:24:38 PM GMT+5:30	C ELDO RUFUS	celdorufus@gmail.com	R2017615	BCA	4
100	2022/05/12 8:30:52 PM GMT+5:30	Sunil gope	nil25sunil@gmail.com	R2017667	Bca	4
101	2022/05/12 8:36:26 PM GMT+5:30	Akshitha R	akshithar21@gmail.com	R1917605	BCA	6
102	2022/05/12 8:40:42 PM GMT+5:30	Sadiyah Azra	sadiyahazra1005@gmail.com	R1917664	BCA	6
103	2022/05/12 9:04:50 PM GMT+5:30	Swathi O	swathireddyswathi2001@gmail.com	R1917672	BCA	6
104	2022/05/12 9:30:03 PM GMT+5:30	Rachana K	rachanak1805@gmail.com	R1917656	BCA	6
105	2022/05/12 9:32:07 PM GMT+5:30	CHOVATIYA PRIYANKA MAHESHBHAI	priyankamrjp@gmail.com	R1917609	BCA	6
106	2022/05/12 9:40:10 PM GMT+5:30	Gaurab chauhan	gauravc12han@gmail.com	R2017619	BCA	4
107	2022/05/12 9:55:41 PM GMT+5:30	Ravi Kiran	ravikiran4216@gmail.com	R2017647	BCA	4

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CERTIFICATE OF COMPLETION

This Certifies that

Nerosha SK

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

A handwritten signature in blue ink, likely belonging to the Co-ordinator.

Co-ordinator

(Dept. of Computer Science)

A handwritten signature in blue ink, likely belonging to the Head of Department (HOD).

HOD

(Dept. of Computer Science)

A handwritten signature in blue ink, likely belonging to the Principal.

PRINCIPAL

Dr. A. Nagarathna



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Co-ordinator

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HOD

(Dept. of Computer Science)

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This Certifies that

Vaishali k

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

Co-ordinator

(Dept. of Computer Science)

HOD

(Dept. of Computer Science)

PRINCIPAL

Dr. A. Nagarathna



RAMAIAH

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CERTIFICATE OF COMPLETION

This Certifies that

Abhishek a parekar

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Tushar Pokar

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Madhavi Hathwar P

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
13th May, 2022 to 12th June, 2022.

Co-ordinator

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CERTIFICATE OF COMPLETION

This Certifies that

Bhumika Padaliya

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Uma P

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

Co-ordinator

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CERTIFICATE OF COMPLETION

This Certifies that

Pranshu Anand

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

prajwal kumar

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Nishanth nv

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Abishek A

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CERTIFICATE OF COMPLETION

This Certifies that

Rithik k

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Avranil Patra

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

N.M Hashika

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Shalini M

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

SACHIN KUMAR

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Rushabh mohan bhor

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

Amudha S

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Thomas P Kurian

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

Yathy Suresh

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

HARSHA R

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Govardhan

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Rohan A

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Mohammed javeed

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CERTIFICATE OF COMPLETION

This Certifies that

Koushik

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CERTIFICATE OF COMPLETION

This Certifies that

Aditya Chakraborty

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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Rahul Raj

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This Certifies that

Mahesh S R

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Nithesh A Kumar

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Raj Aryan

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CERTIFICATE OF COMPLETION

This Certifies that

Deekshitha B

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This Certifies that

B. S. Anshu

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Bhoomika S

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This Certifies that

Chaithanya

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Esha Patel

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Sindhu.v

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Manisha Kumari

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

VYSHNAV MV

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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Commerce



CERTIFICATE OF COMPLETION

This Certifies that

Supriya Goswami

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Sandra

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Shahzad Bin Shahjahan

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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This Certifies that

P Sirekha

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CERTIFICATE OF COMPLETION

This Certifies that

R . Thanushree

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

Navanigha K K

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Anis Das

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Kishan Kumar Upadhyay

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Gowtham Rineesh S

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CERTIFICATE OF COMPLETION

This Certifies that

Vinutha YN

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

HARI PRASAD S

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CERTIFICATE OF COMPLETION

This Certifies that

Pooja R

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

SOWMYA SHREE G.S

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CERTIFICATE OF COMPLETION

This Certifies that

Manju Murthy k

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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This Certifies that

Monazir khan

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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This Certifies that

Naveen E

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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This Certifies that

Subhash S Bharadwaj

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Hema Athota

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This Certifies that

Akash s

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Vignesh BA

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

PRATIK NAYAK

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CERTIFICATE OF COMPLETION

This Certifies that

Nagendra.N

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Yeshaswini G

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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CERTIFICATE OF COMPLETION

This Certifies that

Inderdeep singh

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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Dr. A. Nagarathna



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CERTIFICATE OF COMPLETION

This Certifies that

Sanjay

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

Co-ordinator

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HOD

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CERTIFICATE OF COMPLETION

This Certifies that

Mohammed sahil

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

Co-ordinator

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CERTIFICATE OF COMPLETION

This Certifies that

Kiran raj

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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CERTIFICATE OF COMPLETION

This Certifies that

Riya Sinha

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Salman Umer

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CERTIFICATE OF COMPLETION

This Certifies that

Sandeep Kumar M

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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eswar gadamsetty

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This Certifies that

Kesavan S

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Vindhya V R

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Rahul C

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This Certifies that

Hamsa reddy. V

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Salman Pasha S

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Roshni M

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Alok N

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This Certifies that

Keerthi T R

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Harsh

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CERTIFICATE OF COMPLETION

This Certifies that

Hemanshi bhatt

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Abhishek A

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Manjunath A Gaded

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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This Certifies that

Shilpa v

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This Certifies that

Rajalakshmi Y V

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CERTIFICATE OF COMPLETION

This Certifies that

Sushmitha Singh .P

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CERTIFICATE OF COMPLETION

This Certifies that

Tanvi Gupta

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

VIVEK KUMAR

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CERTIFICATE OF COMPLETION

This Certifies that

Sonia sarah s

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CERTIFICATE OF COMPLETION

This Certifies that

Sheela. B

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CERTIFICATE OF COMPLETION

This Certifies that

Vignesh Lokesh P G

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P. Persi Priscilla

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This Certifies that

Gorantla Yeshaswini

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Supriya GR

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Spandana NC

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CERTIFICATE OF COMPLETION

This Certifies that

Jason Martin Dsouza

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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C ELDO RUFUS

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CERTIFICATE OF COMPLETION

This Certifies that

Sunil gope

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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Akshitha R

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This Certifies that

Swathi O

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from
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This Certifies that

Rachana K

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CERTIFICATE OF COMPLETION

This Certifies that

CHOVATIYA PRIYANKA MAHESHBHAI

has successfully completed the course on '**Data Analytics and Data Visualization using Tableau**' organized by Department of Computer Science, MSRCASC from 13th May, 2022 to 12th June, 2022.

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This Certifies that

Gaurab chauhan

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This Certifies that

Ravi Kiran

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