

**COMPUTER SCIENCE
AND
ENGINEERING**

REQUISITION LETTER

From,

Head of the Department,
Computer Science and Engineering,
JKK Munirajah College of Technology,
T.N.Palayam.

To,

The Principal,
JKK Munirajah College of Technology,
T.N.Palayam.

Permitted
Accepted 07/09/21

Respected Sir,

Sub: Seeking permission for conducting a Certificate Program- Reg

We have planned to conduct a certificate program for II, III and IV year Computer Science students on **"DATA VISUALIZATION USING TABLEAU "** from **13.09.2021 to 20.09.2021** by Program Coordinator **D.VIVEKSANKAR, Analyst & Developer So, I** request you to kindly provide permission to conduct the certificate program.

Thanking You,

D. V. Sankar
07/09/21

Yours Truly,

Place: T.N.Palayam

Date:07.09.2021

Accepted
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JKK MUNIRAJAH COLLEGE
OF TECHNOLOGY
T.N. PALAYAM (Po)-638 506.
GOBI (Tk), ERODE (Dt).



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JKKMCT/CIRCULAR/SEP-23


04/09/2021

CIRCULAR

The Department of Computer Science and Engineering is planning to organize a Certificate Program on “**DATA VISUALIZATION USING TABLEAU**” (36 Hours) for the benefit of the students from **13.09.2021 (Monday) to 20.09.2021 (Monday)**. Students those who are willing to attend the Program can enroll their names to their class in-charges respectively on or before **02.09.2021**.


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Copy To,
All the HODs and Staff Members,
All the Students,
Notice Board, File


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAM SYLLABUS

Name of the Certificate Program : DATA VISUALIZATION USING TABLEAU

Program Code : 21CSEDVUTS01

Name of the Program Coordinator : D.VIVEKSANKAR

Academic Year:2021-2022

Program Contents

Total Hours: 36

Chapter 1: Intro to Data Visualization

- Course Introduction
- Intro to data visualization
- Getting started with Tableau Desktop
- Connecting to the tutorial dataset
- Creating the first charts

Chapter 2: Common charts

- Creating common visualizations (bar charts, line charts etc.)
- Filtering and sorting data
- Adding Titles, Labels, and descriptions
- Publish your work to Tableau Cloud

Chapter 3: Interactions

- Dataviz best practices
- Interactivity with text and visual tooltips
- Interactivity with actions (filter, highlight, URL)
- Assembling dashboards from multiple charts

Chapter 4: Transform the data

- Creating simple calculations in Tableau
- Using table calculations
- Intro to Tableau Prep



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Chapter 5: Advanced visualizations

- Dataviz best practices
- Working with more advanced chart types
- Working with geospatial data and maps

Chapter 6: Data Storytelling

- Intro to data storytelling
- Creating a data story in Tableau
- Overview of the Tableau and Dataviz ecosystem
- Further learning opportunities

Prepared by:

Name: **D. NIVEKSANKAR**

Designation: **ANALYST & DEVELOPER**

D. Niveksankar
2/17/21

PROGRAM COORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAM SCHEDULE

Name of the Certificate Program : DATA VISUALIZATION USING TABLEAU
 Program Code : 21CSEDVUT01
 Name of the Program Coordinator : D.VIVEKSANKAR
 Program Period: 13.09.2021 to 20.09.2021

Date/ Time	9:30AM to 11:30AM (2 Hours)		11.45 AM to 12.45PM (1 Hour)		1:30 PM to 4.30 PM (3 Hours)
13-09-2021	Course Introduction, Intro to data visualization, Getting started with Tableau Desktop	BREAK	Connecting to the tutorial dataset, Creating the first charts, Common charts, Creating common visualizations (bar charts, line charts etc.)	LUNCH	Filtering and sorting data , Adding Titles, Labels, and descriptions, Publish your work to Tableau Cloud
14-09-2021	Interactions, Dataviz best practices, Interactivity with text and visual tooltips		Interactivity with actions (filter, highlight, URL), Assembling dashboards from multiple charts		Transform the data, Creating simple calculations in Tableau, Using table calculations
15-09-2021	Intro to Tableau Prep, Advanced visualizations, Dataviz best practices		Working with more advanced chart types, Working with geospatial data and maps		Individual Axis, Add Reference Lines, Reference Bands
16-09-2021	Reference Distributions, Basic Maps, Symbol Map, Use Google Maps		Mapbox Maps as a Background Map, WMS Server Map as a Background Map		Filters Introduction, Quick Filters, Filters on Dimensions, Conditional Filters
17-09-2021	Top and Bottom Filters, Filters on Measures, Context Filters, Slicing Filters		Data Source Filters, Extract Filters, Create a Dashboard, Format Dashboard Layout		Create a Device Preview of a Dashboard, Basic Approach to Calculate Rank
20-09-2021	Advanced Approach to Calculate Rank, Calculating Running Total		Intro to data storytelling, Creating a data story in Tableau, Overview of the Tableau and Dataviz ecosystem, Further learning opportunities		Feedback and Discussion

D. Vivek
2/09/21
PROGRAM COORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

RESOURCE PERSON PROFILE

Title of the Programme	DATA VISUALIZATION USING TABLEAU
Duration and Timing of the Programme	36 Hours and 9.30 AM to 4.30 PM
Name of the Resource Person	D.VIVEKSANKAR
Photo Image of the Resource Person	
E-mail	vivek.dhandapani@athenatec.com
Mobile No:	9865316599
Designation	Analyst & Developer
Official Address	Athena Technology Solutions, Sr Towers, 186, 2 Nd Cross St, Shanthi Nagar, Chrompet, Chennai, Tamilnadu 600044
Educational Qualification	B.E (Computer Science and Engineering),
Experience	10 years of Experience
Field of Interest	Data Science, Machine Learning, Artificial Intelligence



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

WILLING STUDENTS NAMELIST

CERTIFICATE PROGRAM ON DATA VISUALIZATION WITH TABLEAU

S.NO	REGISTER NUMBER	NAME	WILLINGNESS		
			YES	NO	SIGN
IV YEAR					
1	731218104002	ANGAMMAL S	✓		S Angel.
2	731218104004	BOOPATHI S	✓		S. Buj
3	731218104006	GEETHA R	✓		R Geetha
4	731218104008	IYYAPPAN L	✓		L. Iyyappan
5	731218104010	JEEVABHARATHI M	✓		M. JeevaBharathi
6	731218104011	JOTHIGA S	✓		S. Jothiga
7	731218104014	MANIKANDAN T	✓		T. Manikandan
8	731218104015	NIRANJANA M	✓		M. Niranjana
9	731218104016	NISHA S	✓		S. Nisha
10	731218104017	RATHISH D	✓		D. Rathish
11	731218104018	SARANYA M	✓		Saranya.m.
12	731218104019	SIBIN DASS S	✓		S. Sibin Dass
13	731218104020	SINDHU S	✓		S. Sindhu
14	731218104021	SINDHUJA V	✓		V. Sindhuja
15	731218104023	SUBRAMANI N	✓		N. Subramani
16	731218104024	THAMARAISELVI R	✓		R. Thirya
17	731218104025	UMA D	✓		D. Uma
18	731218104026	VIJAYA KUMAR S	✓		S. Vijaya Kumar
19	731218104028	VINODH L	✓		L. Vinodh



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20	731218104301	KAVIYARASAN.M	✓		10.15.2015
21	731218104302	KIRUTHIKA.S	✓		10.15.2015
III YEAR					
22	731219104004	BALAKRISHNAN.V	✓		V. Balaji
23	731219104005	BHUVANESHWARI.M	✓		m. Bhuvan
24	731219104006	DHATCHANA MOORTHY.A.P	✓		A. P. Dhatchana
25	731219104007	ELAKKIYA.D		✓	
26	731219104010	INDHUMATHI.P	✓		P. Indhu
27	731219104011	MADHAN.M		✓	
28	731219104012	MAHESHWARI.M	✓		m. Maheshwari
29	731219104014	MOHANRAJ.S		✓	
30	731219104015	PAVITHRA.R	✓		R. Pavithra
31	731219104016	PRATHAP.N	✓		N. Prathap
32	731219104017	PRAVIN.S	✓		S. Pravin
33	731219104018	PRIYA.S	✓		S. Priya
34	731219104019	RAMYA.V	✓		V. Ramya
35	731219104021	SANTHA MOORTHY.R	✓		R. Santha
36	731219104022	SENTHIL KUMAR.V	✓		V. Senthil Kumar
37	731219104023	SUBASH CHANDRAN.P	✓		P. Subash Chandran
38	731219104024	SUDHA DHARANI.R	✓		R. Sudha Dharani
39	731219104025	SURIYA.R	✓		R. Suriya
40	731219104026	SURIYA SARASWATHI.M	✓		M. Suriya Saraswathi
41	731219104027	TAMILSELVAN.A	✓		A. Tamilselvan
42	731219104028	VENNILA.C	✓		C. Vennila



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II YEAR					
43	731220104001	ABINAYA G	✓		G. Arun
44	731220104003	BALU R	✓		R. Arun
45	731220104004	CHARLES WILLIAM.L	✓		L. Arun
46	731220104005	DEEPAK.S	✓		S. Arun
47	731220104006	DEEPIKA.S	✓		S. Arun
48	731220104007	DHARANISELVI. M	✓		M. Arun
49	731220104008	DODDAMMA.P		✓	
50	731220104009	JAGATHESWARAN.P	✓		P. Arun
51	731220104010	KARUNYAA.M	✓		M. Arun
52	731220104011	KATHIRESAN.K		✓	
53	731220104012	KAVIN.M	✓		M. Arun
54	731220104014	LOGANATHAN.T		✓	
55	731220104015	MAGESH.S		✓	
56	731220104019	NIRMALRAJ.S	✓		
57	731220104021	RAMYA.S	✓		S. Arun
58	731220104022	ROHITH.R	✓		R. Arun
59	731220104023	ROSHMA I	✓		I. Arun
60	731220104024	SIVALINGAM.K	✓		S. Arun
61	731220104025	SUNDARAGANESAN.K		✓	
62	731220104026	THENMOZHI.B	✓		B. Arun
63	731220104028	VIGNESH.M	✓		M. Arun
64	731220104029	VINISHA.T	✓		
65	731220104030	VINITHA.A	✓		
66	731220104031	VINOTHKUMAR.R	✓		R. Arun



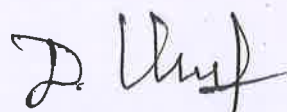
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67	731220104301	BOOPALAN.M		✓	
68	731220104302	DHAMODARAN.G		✓	
69	731220104303	SANTHOSH.L		✓	
M.E CSE I YEAR					
70	731221405001	ARUNKUMAR R		✓	R. Arun
71	731221405002	CHARLY S		✓	S.Chary
72	731221405003	DEEPA G		✓	Deepa G.
73	731221405004	DEEPARANI P		✓	P. Deepa
74	731221405005	GAYATHRI S		✓	S. Gayathri
75	731221405006	INDHIRAN R		✓	R. Indhiran
76	731221405007	LOGARAJA S		✓	S. Logaraja
77	731221405008	NAVEEN S		✓	S. Naveen
78	731221405009	PONMANI A		✓	A. Ponmani
79	731221405010	RAJESH KUMAR A		✓	A. Rajesh Kumar
80	731221405011	RANJANI R		✓	R. Ranjani
81	731221405012	SATHISH KUMAR V		✓	V. Sathish Kumar
82	731221405013	SAVITHA K		✓	K. Savitha
83	731221405014	SURESHKUMAR P		✓	P. Suresh Kumar
84	731221405015	VINOTHINI C		✓	C. Vinothini
M.E CSE II YEAR					
85	731220405001	ANUKRISHNAN K R		✓	K.R. Anukrishnan


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021

CERTIFICATE PROGRAM ON DATA VISUALIZATION USING TABLEAU

ENROLLED STUDENTS NAMELIST

DATE: 13.09.2021 to 20.09.2021

S.NO	REGISTER NUMBER	NAME
IV YEAR		
1	731218104002	ANGAMMAL S
2	731218104004	BOOPATHI S
3	731218104006	GEETHA R
4	731218104008	IYYAPPAN L
5	731218104010	JEEVABHARATHI M
6	731218104011	JOTHIGA S
7	731218104014	MANIKANDAN T
8	731218104015	NIRANJANA M
9	731218104016	NISHA S
10	731218104017	RATHISH D
11	731218104018	SARANYA M
12	731218104019	SIBIN DASS S
13	731218104020	SINDHU S
14	731218104021	SINDHUJA V
15	731218104023	SUBRAMANI N
16	731218104024	THAMARAISELVI R
17	731218104025	UMA D
18	731218104026	VIJAYA KUMAR S
19	731218104028	VINODH L
20	731218104301	KAVIYARASAN.M
21	731218104302	KIRUTHIKA.S
III YEAR		
22	731219104004	BALAKRISHNAN.V



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23	731219104005	BHUVANESHWARI.M
24	731219104006	DHATCHANA MOORTHI.A.P
25	731219104010	INDHUMATHI.P
26	731219104012	MAHESHWARI.M
27	731219104015	PAVITHRA.R
28	731219104016	PRATHAP.N
29	731219104017	PRAVIN.S
30	731219104018	PRIYA.S
31	731219104019	RAMYA.V
32	731219104022	SENTHIL KUMAR.V
33	731219104023	SUBASH CHANDRAN.P
34	731219104024	SUDHA DHARANI.R
35	731219104025	SURIYA.R
36	731219104026	SURIYA SARASWATHI.M
37	731219104027	TAMILSELVAN.A
38	731219104028	VENNILA.C
II YEAR		
39	731220104001	ABINAYA G
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47	731220104012	KAVIN.M
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50	731220104022	ROHITH.R
51	731220104023	ROSHMA I
52	731220104024	SIVALINGAM.K
53	731220104026	THENMOZHI.B
54	731220104028	VIGNESH.M
55	731220104029	VINISHA.T
56	731220104030	VINITHA.A
57	731220104031	VINOTHKUMAR.R



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M.E-CSE - II YEAR		
58	731221405001	ARUNKUMAR R
59	731221405002	CHARLY S
60	731221405003	DEEPA G
61	731221405004	DEEPARANI P
62	731221405005	GAYATHRI S
63	731221405006	INDHIRAN R
64	731221405007	LOGARAJA S
65	731221405008	NAVEEN S
66	731221405009	PONMANI A
67	731221405010	RAJESH KUMAR A
68	731221405011	RANJANI R
69	731221405012	SATHISH KUMAR V
70	731221405013	SAVITHA K
71	731221405014	SURESHKUMAR P
72	731221405015	VINOTHINI C
M.E-CSE - II YEAR		
73	731220405001	ANUKRISHNAN K R

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65	731221405008	NAVEEN S	/	/	/	/	/	/	/	/	/	/	/	
66	731221405009	PONMANI A	/	/	/	/	/	/	/	/	/	/	/	
67	731221405010	RAJESH KUMAR A	/	/	/	/	/	/	/	/	/	/	/	
68	731221405011	RANJANI R	/	/	/	/	/	/	/	/	/	/	/	
69	731221405012	SATHISH KUMAR V	/	/	/	/	/	/	/	/	/	/	/	
70	731221405013	SAVITHA K	/	/	/	/	/	/	/	/	/	/	/	
71	731221405014	SURESHKUMAR P	/	/	/	/	/	/	/	/	/	/	/	
72	731221405015	VINOTHINI C	/	/	/	/	/	/	/	/	/	/	/	
M.E-CSE - II YEAR														
73	731220405001	ANUKRISHNAN K R	/	/	/	/	/	/	/	/	/	/	/	
TOTAL NO OF STUDENTS PRESENT			73	73	71	71	72	72	73	73	72	72	73	73
TOTAL NO OF STUDENTS ABSENT			NIL	NIL	02	02	01	01	NIL	NIL	01	01	NIL	NIL
SIGNATURE OF THE PROGRAM COORDINATOR			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
SIGNATURE OF THE HOD			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

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PROGRAM COORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2020-2021

DATA VISUALIZATION USING TABLEAU

ASSESSMENT

ANSWER ALL QUESTIONS (30*1=30 MARKS)

1. Default aggregation used for tree map _____

- A) Avg
- B) Count
- C) Sum
- D) Countd

2. The best feature Tableau are except _____

- A) Collaboration of data
- B) Data Blending
- C) Real time analysis
- D) Data is more small and fit

3. How do you find the field is discrete in Tableau ?

- A) Green color
- B) # symbol
- C) Blue color
- D) None

4. What percent of total profits do the top 10 customer by Sales represent?

- A) 5.03%
- B) 17.54%
- C) 16.26%
- D) 3.50%

5. Which of the following is not a Trend Line model ?

- A) Linear Trend Line
- B) Binomial Trend Line
- C) Exponential Trend Line
- D) Logarithmic Trend Line



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6. Where can we apply global filters?

- A) Dashboards
- B) Stories
- C) Sheets
- D) All of the above

7. 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

8. Tableau File Extension is _____

- A) .twbx
- B) .twby
- C) .twbw
- D) .twbz

9. What is the possible cause of the data not being updated?

- A) Data Extract needs an update
- B) The data source configuration of Data Extract needs to be refreshed
- C) Services on Data Extract are not running
- D) The workers of Data Extract are taking a timeout

10. What type of join is used in blending?

- A) Left join
- B) Full join
- C) Right join
- D) Inner join

11. A justifiable reason to utilize a projectile chart.

- A) Looking at the genuine against the objective deals
- B) Examining the pattern for an era
- C) Showing the business development for a specific year
- D) Adding information and ascertaining tally measure

12. What insight will the Link Utilization Hourly Trend give you?

- A) This will allow us to identify the specific times during the day the bandwidth utilization is the highest



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- B) This will allow us to identify the critical links that don't need attention
- C) This will allow us to correlate bandwidth usage to user traffic
- D) This will allow us to identify and set the optimum bandwidth thresholds in Tableau

13. Data Values available for the visualization _____

- A) Basic Expression
- B) Table Calculation
- C) None of the above
- D) LoD Expression

14. In which Region do all Product Categories fall beneath the overall average profit?

- A) East
- B) West
- C) Central
- D) South

15. Current Version of Tableau is _____

- A) 2020.1
- B) 2020.4
- C) 2020.3
- D) 2020.2

16. Which of these is not a datatype in Tableau?

- A) Integer
- B) Character
- C) Float
- D) String

17. What are the steps that should be done if the data on the dashboard is not updated?

- A) Access Solarwinds, refresh data, Access DNAC, refresh data, go to web app and refresh settings
- B) Access web app on <url>, check worker and aggregator, reach out to Trends Service desk and escalate the issue
- C) Access web app on <url>, login, proceed to services tab, run worker and aggregator
- D) Access web app on <url>, login, remove data sources, add data sources back, run worker and aggregator



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18. Who is the parent company of Tableau?

- A)Salesforce
- B)Workday
- C)Microsoft
- D)Google

19. What are the file extensions in Tableau ?

- A)Tableau Packaged Workbook (.twbx)
- B)Tableau Data Source(.tds)
- C)Tableau Workbook (.twb)
- D)All of the above

20. Which of these is NOT a tableau file format?

- A)tde
- B)tdb
- C)twb
- D)twbx

21. What is the percent of total Sales for the 'Home Office' Customer Segment in July of 2012?

- A)20.14%
- B)23.50%
- C)32.565
- D)23.97%

22. Power BI is a product of _____

- A)Facebook
- B)Oracle
- C)Microsoft
- D)SAP

23. Which of the following files types contains a Tableau Workbook along with local data?

- A).hyper
- B).twbx
- C).tde
- D).twb

24. How do you find the field is continuous in tableau?

- A) symbol
- B)Blue color
- C)Green color
- D)None of the above



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25. Which of the following Data Pane items cannot be dragged onto the Filters Shelf?

- A) Measures
- B) Dimensions
- C) Parameters
- D) Sets

26. What is Tableau?

- A) Tableau is a new alternative for data programming
- B) Tableau is suitable for factory industry only
- C) Tableau is a people in Business Intelligence Industry
- D) Tableau is a powerful and fastest growing data visualization tool used in the Business Intelligence Industry

27. Views in Tableau _____

- A) Dashboard
- B) Story
- C) Sheet
- D) All of above

28. How many maximum tables can you join in Tableau?

- A) 16
- B) 8
- C) 32
- D) 2

29. Which of the following is NOT a Tableau Field data type?

- A) String
- B) Number (whole)
- C) Boolean
- D) Float


30. What are the components of a Dashboard?

- A) Vertical
- B) Horizontal
- C) Image Extract
- D) All of the above


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

CERTIFICATE PROGRAM ON " DATA VISUALIZATION USING TABLEAU "

STUDENTS MARKLIST

DATE: 13.09.2021 to 20.09.2021

S.NO	REG. NO	NAME	MARKS
IV YEAR			
1	731218104002	ANGAMMAL S	98
2	731218104004	BOOPATHI S	86
3	731218104006	GEETHA R	85
4	731218104008	IYYAPPAN L	76
5	731218104010	JEEVABHARATHI M	68
6	731218104011	JOTHIGA S	69
7	731218104014	MANIKANDAN T	89
8	731218104015	NIRANJANA M	73
9	731218104016	NISHA S	95
10	731218104017	RATHISH D	90
11	731218104018	SARANYA M	83
12	731218104019	SIBIN DASS S	92
13	731218104020	SINDHU S	76
14	731218104021	SINDHUJA V	80
15	731218104023	SUBRAMANI N	86
16	731218104024	THAMARAISELVI R	79
17	731218104025	UMA D	80
18	731218104026	VIJAYA KUMAR S	87
19	731218104028	VINODH L	82
20	731218104301	KAVIYARASAN.M	84
21	731218104302	KIRUTHIKA.S	96
III YEAR			
22	731219104004	BALAKRISHNAN.V	60
23	731219104005	BHUVANESHWARI.M	96
24	731219104006	DHATCHANA MOORTHY.A.P	84



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25	731219104010	INDHUMATHI.P	64
26	731219104012	MAHESHWARI.M	69
27	731219104015	PAVITHRA.R	<u>46</u>
28	731219104016	PRATHAP.N	72
29	731219104017	PRAVIN.S	84
30	731219104018	PRIYA.S	77
31	731219104019	RAMYA.V	79
32	731219104022	SENTHIL KUMAR.V	84
33	731219104023	SUBASH CHANDRAN.P	68
34	731219104024	SUDHA DHARANI.R	63
35	731219104025	SURIYA.R	90
36	731219104026	SURIYA SARASWATHI.M	93
37	731219104027	TAMILSELVAN.A	95
38	731219104028	VENNILA.C	82
II YEAR			
39	731220104001	ABINAYA G	76
40	731220104003	BALU R	94
41	731220104004	CHARLES WILLIAM.L	<u>48</u>
42	731220104005	DEEPAK.S	78
43	731220104006	DEEPIKA.S	85
44	731220104007	DHARANISELVI. M	73
45	731220104009	JAGATHESWARAN.P	56
46	731220104010	KARUNYAA.M	82
47	731220104012	KAVIN.M	84
48	731220104019	NIRMALRAJ.S	85
49	731220104021	RAMYA.S	93
50	731220104022	ROHITH.R	<u>43</u>
51	731220104023	ROSHMA I	88



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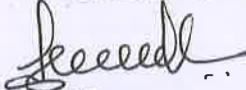
52	731220104024	SIVALINGAM.K	46
53	731220104026	THENMOZHI.B	63
54	731220104028	VIGNESH.M	88
55	731220104029	VINISHA.T	86
56	731220104030	VINITHA.A	99
57	731220104031	VINOTHKUMAR.R	92
ME CSE I YEAR			
58	731221405001	ARUNKUMAR R	90
59	731221405002	CHARLY S	88
60	731221405003	DEEPA G	76
61	731221405004	DEEPARANI P	73
62	731221405005	GAYATHRI S	99
63	731221405006	INDHIRAN R	85
64	731221405007	LOGARAJA S	81
65	731221405008	NAVEEN S	79
66	731221405009	PONMANI A	95
67	731221405010	RAJESH KUMAR A	98
68	731221405011	RANJANI R	95
69	731221405012	SATHISH KUMAR V	72
70	731221405013	SAVITHA K	76
71	731221405014	SURESHKUMAR P	63
72	731221405015	VINOTHINI C	61
ME CSE II YEAR			
73	731220405001	ANUKRISHNAN K R	92

Note: The students those who have secured above 50 Marks and above are considered eligible for program completion.


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021-2022

SUMMARY/ OUTCOME REPORT

Name of the Certificate Program : DATA VISUALIZATION USING TABLEAU

Program Code : 21CSEDVUT01

Name of the Program Coordinator : D.VIVEKSANKAR

Number of Students Enrolled : 73

Duration:36 Hours

Number of Students Completed : 69

I hereby affirm that the entire Program contents in the Certificate Program “DATA VISUALIZATION USING TABLEAU” listed in the Syllabus have been actually learned by the students as the part of the prescribed co-curricular activities through Certificate Program.

I confirmed that the Certificate Program title as DATA VISUALIZATION USING TABLEAU Work Bench was done by me in the beginning of this semester and Program delivery with attendance of the students were recorded.


I confirmed that all registered students for this Certificate Program were actively attended and learned well throughout the duration of this Program. And all students were successfully completed and eligible to receive the participation certificate.

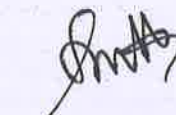
OUTCOME: Students shall be able to gain the knowledge in


- (i) To Understand and describe the main concepts of data visualization
- (ii) To Understand the main chart types and their recommended usage
- (iii) Create ad-hoc reports, data visualizations, and dashboards using Tableau Desktop
- (iv) Publish the created visualizations to Tableau Server and/or Tableau Public

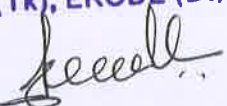
Name : D. VIVEKSANKAR

Designation: ANALYST & DEVELOPER


PROGRAM COORDINATOR


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Knowledge IV - CE has successfully completed the Add On course

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ICE has successfully completed the Add on course
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This is to certify that Mr/Mrs.....SURYA SARASWATHI M..... of

.....CE..... has successfully completed the Add on course

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This is to certify that Mr/Mrs. SURYA R of

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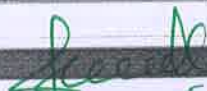
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This is to certfyd that Mr/Mrs..... CHARLES WILLIAM I..... of


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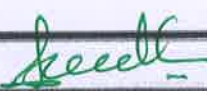
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I-ME has successfully completed the Add on course

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titled "DATA VISUALIZATION USING TABLEAU" organized by Department of
Computer Science and Engineering.

Duration: 13.09.2021 to 20.09.2021

COORDINATOR

HOD

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