ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

Permanently Affiliated to JNTUK, Kakinada * Approved by AICTE, New Delhi * Accredited by NAAC
Recognized by UGC Under section 2(f) and 02 (B) of UGC Act 1956
ADB ROAD, ADITYA NAGARA, SURAMPALEM-533437

Department of Information Technology

Date: 27.01.2020.

To
The principal
Aditya College of Engineering & Technology
Surampalem

Respected sir,

[Through Head of the Department]

Sub: Request for your approval to organize a certification course on "DATA VISUALISATION USING R" – reg.

It's our greatest pleasure to bring to your kind notice that, we the Department of Information Technology would like to train our 2nd year B.Tech students in the **DATA VISUALISATION USING R** adapted initially, with the help of our staff; as the present world is moving over the software design & simulations and also is a part of the Information Technology. It will be more helpful to the students in theoretical and technical point of view. In this regard we are requesting your permission for further proceedings.

Resource Person	:	G.BhanuPrasad, Assistant Professor, CSE DEPT, MRECW.
Honorarium	:	Rs. 5000/-

forwarded to The Principal

Course Coordinator

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 43:

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Department of Information Technology

Date: 28.01.2020.

CIRCULAR

All the 2nd year students are here by informed that a One-week program is arranged to enhance the knowledge on **DATA VISUALISATION USING R,** as per the schedule from 17th February 2020 to 22nd February 2020. It is mandatory to all the students to attend the program and utilize the opportunity. The schedule is attached.

Course Coordinator: KOVVURI NAGA BHARGAVI
Assistant Professor
IT Department

Head of the Department

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Department of Information Technology

DATA VISUALISATION USING R Syllabus

1. Introduction to R programming
2. Basic charting.
3. Charts for data distribution.
4. Plots exploring differences in groups.
5. Relationships between variables.
6. Compositional data.
7. Exploratory charts.
8. Scatter plot matrices.
9. Conditioning plots.
10. Lattice graphs.
11. Interaction plots.
12. Adding to charts.
13. Additional data series.
14. Best-fit lines.
15. Customizing graphical parameters.
16. Altering margins.
17. Working with colour.
18. Changing graphical parameters.
19. Saving graphs.
20. Export graphics to disk files.

Course Coordinator

Head of the Department

PRINCIPAL
Aditya College of
Engineering & Technology
SURAMPALEM- 533 437

Department of Information Technology

Schedule of DATA VISUALISATION USING R Syllabus:

17.02.2020: Day-1

FN   Introduction to R programming

AN   Basic charting, Charts for data distribution.

18.02.2020: Day-2

FN   Plots exploring differences in groups.

AN   Relationships between variables.

19.02.2020: Day-3

FN   Relationships between variables.

AN   Compositional data, Exploratory charts.

20.02.2020: Day-4

FN   Adding to charts, Additional data series.

AN   Customizing graphical parameters.

21.02.2020: Day-5

FN   Changing graphical parameters, Saving graphs.

AN   Export graphics to disk files.

22.02.2020: Day-6

FN   Assessment test

AN   Valedictory

Course Coordinator   **Head of the Department**

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