

**E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM**

AN AUTONOMOUS INSTITUTION  
AFFILIATED TO ANNA UNIVERSITY, CHENNAI,  
APPROVED BY AICTE, NEW DELHI  
ACCREDITED BY NAAC WITH GRADE 'A'

**DEPARTMENT OF MANAGEMENT STUDIES**



**VALUE ADDED COURSE REPORT ON "R PROGRAMMING"**

**Organized by Department of Management Studies**

**06-11-2017 to 10-11-2017**

ATTESTED

  
Dr. S. RAMABALAN, M.E., Ph.D.,  
PRINCIPAL

E.G.S. Pillay Engineering College,  
Thelvi, Nagore - 611 002,  
Nagapattinam (Dt) Tamil Nadu.

**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS), NAGAPATTINAM**  
AFFILIATED TO ANNA UNIVERSITY, CHENNAI/ APPROVED BY AICTE, NEW DELHI

ACCREDITED BY NAAC with Grade 'A'  
ACCREDITED BY NBA (B.E. - CIVIL/CSE/ECE/EEE/MECH / B.Tech. - IT)

**DEPARTMENT OF MANAGEMENT STUDIES**

**ORGANIZES A 5 DAY VALUE ADDED PROGRAMME ON "R PROGRAMMING"**

**About the Institution:**

E.G.S. Pillay Engineering College is a self – financing educational institution situated in Nagapattinam, Nagapattinam District. EGSPEC is the vision of Chevalier. Dr. G.S. Pillay, whose determination and dynamism made possible the realization of this institution of excellence. Established in the year 1995 with 3 courses CSE, Mechanical and Chemical, affiliated to Bharathidasan University. (First in Nagapattinam district).

**Vision & Mission of the Institution:**

**Vision:**

Envisioned to transform our institution into a "Global Centre of Academic Excellence."

**Mission:**

To provide world class education to the students and to bring out their inherent talents.  
To establish state-of- the-art facilities and resources required to achieve excellence in teaching -learning and supplementary processes.  
To recruit competent faculty and staff and to provide an opportunity to upgrade their knowledge and skills.  
To have regular interaction with the industries in R&D and offer consultancy, training and testing services.  
To establish centers of excellence in the emerging areas of research.

To offer continuing education and non-formal vocational education programmes that are beneficial to the society.

**About the Department:**

The Department of Management Studies was started in 2001, by focusing its resources exclusively on the budding managers of the future. The department has well-qualified faculty members. The Separate Department Library is preserved with huge volumes of Textbooks and reference books prescribed in the university syllabus and the International and National Journals are available for ready reference of students. MBA Department has Modernized Computer Lab facilities. Our department invites leading personalities from the corporate world to share their views about how the future managerial world will be. It is steadily organizing Guest Lecture and Workshops for enhancement of the students. Our department is facilitated with smart classroom teaching for students and the students are availed with Aptitude and Attitude Development Training Sessions.

**Vision & Mission of the Department:**

**DEPARTMENT VISION:**

"Creation of human resource empowered with management knowledge, skills and attitude to face global challenges."

**DEPARTMENT MISSION:**

Department of Management studies is committed.  
• To create an excellent academic environment for better entrepreneurship, employment, and R & D activities in management related areas.  
• To provide high quality education to the students through efficient faculty members and make them ethical leaders for contributing to the society.  
• To establish state-of-the-art research facilities for enhancing the managerial knowledge and talents needed for the corporate.

**About R Programming:**

R is a programming language for statistical computing and graphics supported by the R Core Team and the R Foundation for Statistical Computing. Created by statisticians Ross Ihaka and Robert Gentleman, R is used among data miners, bioinformaticians and statisticians for data analysis and developing statistical software. Users have created packages to augment the functions of the R language.

**Who can participate?**

BBA & MBA students can take part in the programme.

**About the Programme:**

The programme is planned to be conducted from 06-11-2017 to 10-11-2017. The agenda is given below.

Day 1	Introduction to R Programming
Day 2 & Day 3	Business Analytics - Introductory Courses using R
Day 4 & Day 5	Data Analytics with R

**Resource Person Details:**

Mrs. C. Mallika,  
Assistant Professor,  
Department of Computer Applications,  
E.G.S. Pillay Engineering College

**Coordinator Details:**

Dr. R. Karthi,  
Director - MBA  
+91 98427 74807  
karthi@egspeg.org

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**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)  
DEPARTMENT OF MANAGEMENT STUDIES**

**CIRCULAR**

**01/11/2017**


This is to announce that our department is conducting a value-added course on "R Programming" from 6th November 2017 to 10th November 2017. The course is aimed at providing you with advanced skills and knowledge of R programming language, which is widely used in the field of data science. We encourage all the students to participate in this value-added course, as it will help you in your future careers in data science, business analytics, and other related fields.

  
Director/MBA

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<b>S. No</b>	<b>Description</b>
1	Course Objectives & Outcomes
2	Participants' Name List
3	Participants' Attendance
4	Resource Person Details
5	Course Content
6	Feedback
7	Sample Screenshots
8	Sample Photos
9	Sample Certificates
10	Attainment Analysis

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## Course Objectives:

R programming has become an essential tool for MBA students in data analysis, statistics, and decision making. Here are some of the key objectives of R programming for MBA students:

1. **Data manipulation:** R programming offers a range of functions to manipulate data, including merging, sorting, filtering, and transforming data. This makes it easier to prepare data for statistical analysis.
2. **Descriptive statistics:** R programming provides tools for computing and summarizing descriptive statistics, such as mean, median, mode, standard deviation, and correlation coefficients.
3. **Inferential statistics:** R programming supports a wide range of statistical tests, including t-tests, ANOVA, regression analysis, and chi-square tests. These tests are used to analyze data and draw conclusions about populations based on sample data.
4. **Time-series analysis:** R programming has specialized packages for time-series analysis, including forecasting models, spectral analysis, and state-space models. These packages are useful for analyzing data that varies over time, such as financial data or weather data.
5. **Multivariate analysis:** R programming has packages for conducting multivariate analysis, such as factor analysis, cluster analysis, and principal component analysis. These techniques are used to identify patterns and relationships among multiple variables in a dataset.
6. **Business forecasting:** R programming helps MBA students to forecast future business trends and make informed decisions based on those forecasts. R provides a range of time-series forecasting models that students can use to predict sales, demand, and other business metrics.
7. **Data visualization:** R programming provides tools for creating meaningful visualizations of data, which can help MBA students to communicate their findings effectively to others. R offers a wide range of visualization packages and tools that can be customized to suit specific business needs.

## Course Outcomes:

Students will be able to

1. Use R Programming for their statistical needs.
2. Apply data analysis and statistical modeling.
3. Utilize the concepts of R Programming in future.

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**Participants Details:**

S.NO	REG.NO	STUDENT NAME
1.	E17BAR001	ABILA B
2.	E17BAR002	ABINAYA A
3.	E17BAR003	ANUPRIYA R
4.	E17BAR006	AZHARUDEEN K
5.	E17BAR007	BAKKIYAVATHI S
6.	E17BAR008	BOOPATHI RAJAN T
7.	E17BAR009	BUCHIYA A
8.	E17BAR010	DEVAHI S
9.	E17BAR012	EZHILARASI S
10.	E17BAR016	JANANI S
11.	E17BAR018	KANNAYIRAMOORTHIR
12.	E17BAR019	KASTHURI R
13.	E17BAR020	KAVIYA R
14.	E17BAR022	KAYALVIZHI R
15.	E17BAR023	KEERTHANA A
16.	E17BAR025	KOKILA K
17.	E17BAR028	MADHUMATHY B
18.	E17BAR029	MADHUMITHA K
19.	E17BAR030	MAGESHWARI K
20.	E17BAR032	MANIBALA A
21.	E17BAR034	MANIMOZHI B
22.	E17BAR035	MANIVANNAN N
23.	E17BAR044	NAVAJAYA VIGNESH R
24.	E17BAR045	NIRMALA K
25.	E17BAR046	NIVETHA J
26.	E17BAR048	NIVETHA V

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27.	E17BAR049	PAVITHRA P
28.	E17BAR050	PAVITHRA.M
29.	E17BAR051	PONNARASU S
30.	E17BAR052	POONGUZHALI K R
31.	E17BAR054	PRAMILA.J
32.	E17BAR055	PRASANTHI R
33.	E17BAR059	PREETHI J
34.	E17BAR060	PRITHIVI S
35.	E17BAR064	RAJALAKSHMI S
36.	E17BAR067	REETHA M
37.	E17BAR068	ROOBHIYA M
38.	E17BAR069	SABIYA D
39.	E17BAR070	SANGAVI C
40.	E17BAR073	SANTHIYA P
41.	E17BAR074	SARANYA S(27.5.1997)
42.	E17BAR076	SARAVANAN P G
43.	E17BAR077	SARULATHA S
44.	E17BAR078	SARUMATHY G
45.	E17BAR079	SATHISH KUMAR S
46.	E17BAR082	SOWARNA LAKSHMI A
47.	E17BAR085	STALIN V
48.	E17BAR086	SUBASHREE P
49.	E17BAR087	SUDHANTHIRADEVI V
50.	E17BAR088	SUKANYA G
51.	E17BAR091	VIDHYA R
52.	E17BAR092	VIJAYALAKSHMI P
53.	E17BAR005	Arunya.R
54.	E17BAR011	Dhivya.A
55.	E17BAR013	Gunabalan V
56.	E17BAR014	IrfanUdeen M

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57.	E17BAR015	Iswarya S
58.	E17BAR021	Kaviyarasi K
59.	E17BAR024	Kiruthika M
60.	E17BAR026	Krishnaveni B
61.	E17BAR027	Kubera S
62.	E17BAR031	Mahadevan R
63.	E17BAR036	Mathibalan G
64.	E17BAR037	Mohamed Naseem A
65.	E17BAR038	Mohamed Riswan M
66.	E17BAR039	Mohamad syed Ibrahim H
67.	E17BAR040	Mohamed Nasar M
68.	E17BAR041	Mohana Priya N
69.	E17BAR042	Mugesh Kumar M
70.	E17BAR043	Nagalakshmi R
71.	E17BAR047	Nivetha N
72.	E17BAR053	Prakashraj R
73.	E17BAR056	Praveen G
74.	E17BAR057	Praveenkumar B
75.	E17BAR058	Praveenkumar R
76.	E17BAR061	Prithiviraj M
77.	E17BAR062	Priyanka S
78.	E17BAR065	Rajasri M
79.	E17BAR066	Rajeshwari C
80.	E17BAR071	Sangavi K
81.	E17BAR075	Saranya S(08.08.1996)
82.	E17BAR080	Siva Kumar R
83.	E17BAR081	Soundarya U
84.	E17BAR083	Sowmiya M
85.	E17BAR084	Sridevipriya V
86.	E17BAR089	Sukanya K.S

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87.	E17BAR093	Vijayaraj T
88.	E17BAR094	Yogeswari D

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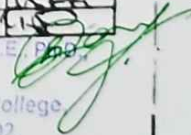
**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)**

Department of Management Studies

R Programming – Value Added Course Attendance

BATCH 2017-2019

S.No	Reg. No	Name	06-11-2017	07-11-2017	08-11-2017	09-11-2017	10-11-2017
1	E17BAR001	ABILA B	B. Abinaya	B. Abinaya	B. Abinaya	B. Abinaya	B. Abinaya
2	E17BAR002	ABINAYA A	A. Abinaya	A. Abinaya	A. Abinaya	A. Abinaya	A. Abinaya
3	E17BAR003	ANUPRIYA R	R. Anupriya	R. Anupriya	R. Anupriya	R. Anupriya	R. Anupriya
4	E17BAR006	AZHARUDEEN K	K. Azharudeen	K. Azharudeen	K. Azharudeen	K. Azharudeen	K. Azharudeen
5	E17BAR007	BAKKIYAVATHI S	S. Bakkivathi	S. Bakkivathi	S. Bakkivathi	S. Bakkivathi	S. Bakkivathi
6	E17BAR008	BOOPATHI RAJAN T	T. Boopathi Rajan	T. Boopathi Rajan	T. Boopathi Rajan	T. Boopathi Rajan	T. Boopathi Rajan
7	E17BAR009	BUCHIYA A	A. Buchiya	A. Buchiya	A. Buchiya	A. Buchiya	A. Buchiya
8	E17BAR010	DEVABI S	S. Devabi	S. Devabi	S. Devabi	S. Devabi	S. Devabi
9	E17BAR012	EZHILARASI S	S. Ezhilarasi	S. Ezhilarasi	S. Ezhilarasi	S. Ezhilarasi	S. Ezhilarasi
10	E17BAR016	JANANI S	S. Janani	S. Janani	S. Janani	S. Janani	S. Janani
11	E17BAR018	KANNAYIRAMOORTHY R	R. Kannayiramoorthy	R. Kannayiramoorthy	R. Kannayiramoorthy	R. Kannayiramoorthy	R. Kannayiramoorthy
12	E17BAR019	KASTHURI R	R. Kasthuri	R. Kasthuri	R. Kasthuri	R. Kasthuri	R. Kasthuri
13	E17BAR020	KAVIYA R	R. Kaviya	R. Kaviya	R. Kaviya	R. Kaviya	R. Kaviya
14	E17BAR022	KAYALVIZHI R	R. Kayalvizhi	R. Kayalvizhi	R. Kayalvizhi	R. Kayalvizhi	R. Kayalvizhi
15	E17BAR023	KEERTHANA A	A. Keerthana	A. Keerthana	A. Keerthana	A. Keerthana	A. Keerthana
16	E17BAR025	KOKILA K	K. Kokila	K. Kokila	K. Kokila	K. Kokila	K. Kokila
17	E17BAR028	MADHUMATHY B	B. Madhumathy	B. Madhumathy	B. Madhumathy	B. Madhumathy	B. Madhumathy
18	E17BAR029	MADHUMITHA K	K. Madhumitha	K. Madhumitha	K. Madhumitha	K. Madhumitha	K. Madhumitha
19	E17BAR030	MAGESHWARI K	K. Mageshwari	K. Mageshwari	K. Mageshwari	K. Mageshwari	K. Mageshwari
20	E17BAR032	MANIBALA A	A. Manibala	A. Manibala	A. Manibala	A. Manibala	A. Manibala
21	E17BAR034	MANIMOZHI B	B. Manimozhi	B. Manimozhi	B. Manimozhi	B. Manimozhi	B. Manimozhi
22	E17BAR035	MANIVANNAN N	N. Manivannan	N. Manivannan	N. Manivannan	N. Manivannan	N. Manivannan
23	E17BAR044	NAVAJAYA VIGNESH R	R. Navajaya Vignesh	R. Navajaya Vignesh	R. Navajaya Vignesh	R. Navajaya Vignesh	R. Navajaya Vignesh
24	E17BAR045	NIRMALA K	K. Nirmala	K. Nirmala	K. Nirmala	K. Nirmala	K. Nirmala
25	E17BAR046	NIVETHA J	J. Nivetha	J. Nivetha	J. Nivetha	J. Nivetha	J. Nivetha
26	E17BAR048	NIVETHA V	V. Nivetha	V. Nivetha	V. Nivetha	V. Nivetha	V. Nivetha
27	E17BAR049	PAVITHRA. M	M. Pavithra	M. Pavithra	M. Pavithra	M. Pavithra	M. Pavithra
28	E17BAR050	PAVITHRA.P	P. Pavithra	P. Pavithra	P. Pavithra	P. Pavithra	P. Pavithra
29	E17BAR051	PONNARASU S	S. Ponnarasu	S. Ponnarasu	S. Ponnarasu	S. Ponnarasu	S. Ponnarasu
30	E17BAR052	POONGUZHALI K R	R. Poonguzhali	R. Poonguzhali	R. Poonguzhali	R. Poonguzhali	R. Poonguzhali
31	E17BAR054	PRAMILA J	J. Pramila	J. Pramila	J. Pramila	J. Pramila	J. Pramila
32	E17BAR055	PRASANTHI R	R. Prasanthi	R. Prasanthi	R. Prasanthi	R. Prasanthi	R. Prasanthi
33	E17BAR059	PREETHI J	J. Preethi	J. Preethi	J. Preethi	J. Preethi	J. Preethi
34	E17BAR060	PRITHIVI S	S. Prithivi	S. Prithivi	S. Prithivi	S. Prithivi	S. Prithivi
35	E17BAR064	RAJALAKSHMI S	S. Rajalakshmi	S. Rajalakshmi	S. Rajalakshmi	S. Rajalakshmi	S. Rajalakshmi
36	E17BAR067	REETHA M	M. Reetha	M. Reetha	M. Reetha	M. Reetha	M. Reetha
37	E17BAR068	ROOBHIYA M	M. Roobhiya	M. Roobhiya	M. Roobhiya	M. Roobhiya	M. Roobhiya
38	E17BAR069	SABIYA D	D. Sabiya	D. Sabiya	D. Sabiya	D. Sabiya	D. Sabiya
39	E17BAR070	SANGAVI C	C. Sangavi	C. Sangavi	C. Sangavi	C. Sangavi	C. Sangavi
40	E17BAR073	SANTHIYA P	P. Santhiya	P. Santhiya	P. Santhiya	P. Santhiya	P. Santhiya
41	E17BAR074	SARANYA S(27.5.1997)	S. Saranya	S. Saranya	S. Saranya	S. Saranya	S. Saranya
42	E17BAR076	SARAVANAN P G	G. Saravanan	G. Saravanan	G. Saravanan	G. Saravanan	G. Saravanan
43	E17BAR077	SARULATHA S	S. Sarulatha	S. Sarulatha	S. Sarulatha	S. Sarulatha	S. Sarulatha
44	E17BAR078	SARUMATHY G	G. Sarumathy	G. Sarumathy	G. Sarumathy	G. Sarumathy	G. Sarumathy
45	E17BAR079	SATHISH KUMAR S	S. Sathish Kumar	S. Sathish Kumar	S. Sathish Kumar	S. Sathish Kumar	S. Sathish Kumar
46	E17BAR082	SOWARNA LAKSHMI A	A. Sowarna Lakshmi	A. Sowarna Lakshmi	A. Sowarna Lakshmi	A. Sowarna Lakshmi	A. Sowarna Lakshmi
47	E17BAR085	STALIN V	V. Stalin	V. Stalin	V. Stalin	V. Stalin	V. Stalin
48	E17BAR086	SUBASHREE P	P. Subashree	P. Subashree	P. Subashree	P. Subashree	P. Subashree
49	E17BAR087	SUDHANTHIRADEVI V	V. Sudhantiradevi	V. Sudhantiradevi	V. Sudhantiradevi	V. Sudhantiradevi	V. Sudhantiradevi
50	E17BAR088	SUKANYA G	G. Sukanya	G. Sukanya	G. Sukanya	G. Sukanya	G. Sukanya

  
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51	E17BAR091	VIDHYA R	D. Vidya	D. Vidya	D. Vidya	D. Vidya	D. Vidya
52	E17BAR092	VIJAYALAKSHMI P	P. Vijaya	P. Vijaya	P. Vijaya	P. Vijaya	P. Vijaya
53	E17BAR005	Arunya R	R. Aruna	R. Aruna	R. Aruna	R. Aruna	R. Aruna
54	E17BAR011	Dhivya A	A. Dhivya	A. Dhivya	A. Dhivya	A. Dhivya	A. Dhivya
55	E17BAR013	Gunabalan V	V. Gunabalan	V. Gunabalan	V. Gunabalan	V. Gunabalan	V. Gunabalan
56	E17BAR014	IrfanUdeen M	M. Irfan	M. Irfan	M. Irfan	M. Irfan	M. Irfan
57	E17BAR015	Iswarya S	S. Iswarya	S. Iswarya	S. Iswarya	S. Iswarya	S. Iswarya
58	E17BAR021	Kaviyarasi K	K. Kaviyarasi	K. Kaviyarasi	K. Kaviyarasi	K. Kaviyarasi	K. Kaviyarasi
59	E17BAR024	Kiruthika M	M. Kiruthika	M. Kiruthika	M. Kiruthika	M. Kiruthika	M. Kiruthika
60	E17BAR026	Krishnaveni B	B. Krishnaveni	B. Krishnaveni	B. Krishnaveni	B. Krishnaveni	B. Krishnaveni
61	E17BAR027	Kuberan S	S. Kuberan	S. Kuberan	S. Kuberan	S. Kuberan	S. Kuberan
62	E17BAR031	Mahadevan R	R. Mahadevan	R. Mahadevan	R. Mahadevan	R. Mahadevan	R. Mahadevan
63	E17BAR036	Mathibalagan G	G. Mathibalagan	G. Mathibalagan	G. Mathibalagan	G. Mathibalagan	G. Mathibalagan
64	E17BAR037	Mohamed Naseem A	A. Mohamed Naseem	A. Mohamed Naseem	A. Mohamed Naseem	A. Mohamed Naseem	A. Mohamed Naseem
65	E17BAR038	Mohamed Riswan M	M. Mohamed Riswan	M. Mohamed Riswan	M. Mohamed Riswan	M. Mohamed Riswan	M. Mohamed Riswan
66	E17BAR039	Mohamad syed Ibrahim H	H. Mohamad syed Ibrahim	H. Mohamad syed Ibrahim	H. Mohamad syed Ibrahim	H. Mohamad syed Ibrahim	H. Mohamad syed Ibrahim
67	E17BAR040	Mohamed Nasar M	M. Mohamed Nasar	M. Mohamed Nasar	M. Mohamed Nasar	M. Mohamed Nasar	M. Mohamed Nasar
68	E17BAR041	Mohana Priya N	N. Mohana Priya	N. Mohana Priya	N. Mohana Priya	N. Mohana Priya	N. Mohana Priya
69	E17BAR042	Mugesh Kumar M	M. Mugesh Kumar	M. Mugesh Kumar	M. Mugesh Kumar	M. Mugesh Kumar	M. Mugesh Kumar
70	E17BAR043	Nagalakshmi R	R. Nagalakshmi	R. Nagalakshmi	R. Nagalakshmi	R. Nagalakshmi	R. Nagalakshmi
71	E17BAR047	Nivetha N	N. Nivetha	N. Nivetha	N. Nivetha	N. Nivetha	N. Nivetha
72	E17BAR053	Prakashraj R	R. Prakashraj	R. Prakashraj	R. Prakashraj	R. Prakashraj	R. Prakashraj
73	E17BAR056	Praveen G	G. Praveen	G. Praveen	G. Praveen	G. Praveen	G. Praveen
74	E17BAR057	Praveenkumar B	B. Praveenkumar	B. Praveenkumar	B. Praveenkumar	B. Praveenkumar	B. Praveenkumar
75	E17BAR058	Praveenkumar R	R. Praveenkumar	R. Praveenkumar	R. Praveenkumar	R. Praveenkumar	R. Praveenkumar
76	E17BAR061	Prithviraj M	M. Prithviraj	M. Prithviraj	M. Prithviraj	M. Prithviraj	M. Prithviraj
77	E17BAR062	Priyanka S	S. Priyanka	S. Priyanka	S. Priyanka	S. Priyanka	S. Priyanka
78	E17BAR065	Rajasri M	M. Rajasri	M. Rajasri	M. Rajasri	M. Rajasri	M. Rajasri
79	E17BAR066	Rajeshwari C	C. Rajeshwari	C. Rajeshwari	C. Rajeshwari	C. Rajeshwari	C. Rajeshwari
80	E17BAR071	Sangavi K	K. Sangavi	K. Sangavi	K. Sangavi	K. Sangavi	K. Sangavi
81	E17BAR075	Saranya S (08.08.1996)	S. Saranya	S. Saranya	S. Saranya	S. Saranya	S. Saranya
82	E17BAR080	Siva Kumar R	R. Siva Kumar	R. Siva Kumar	R. Siva Kumar	R. Siva Kumar	R. Siva Kumar
83	E17BAR081	Soundarya U	U. Soundarya	U. Soundarya	U. Soundarya	U. Soundarya	U. Soundarya
84	E17BAR083	Sowmiya M	M. Sowmiya	M. Sowmiya	M. Sowmiya	M. Sowmiya	M. Sowmiya
85	E17BAR084	Sridevipriya V	V. Sridevipriya	V. Sridevipriya	V. Sridevipriya	V. Sridevipriya	V. Sridevipriya
86	E17BAR085	Sukanya K.S	S. Sukanya	S. Sukanya	S. Sukanya	S. Sukanya	S. Sukanya
87	E17BAR090	Swathi S	S. Swathi	S. Swathi	S. Swathi	S. Swathi	S. Swathi
88	E17BAR093	Vijayaraj T	T. Vijayaraj	T. Vijayaraj	T. Vijayaraj	T. Vijayaraj	T. Vijayaraj
89	E17BAR094	Yogeswari D	D. Yogeswari	D. Yogeswari	D. Yogeswari	D. Yogeswari	D. Yogeswari

*[Signature]*

Course Coordinator

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## PROFILE

Name	Mrs.C.Mallika
Designation	Associate Professor
Qualification	MCA,MBA,M.Phil,(Ph.D.,)
Experience	12 Years
Conference	International -07 National-09
Publication	05
FDP/Seminar/workshop/attended	25
FDP-Organized	01-Anna university
No Project student guide	60 students
Professional Affiliations	ISTE Member
Fund received from other agencies	Rs-20,000 from TNSCST in Chennai, Rs .6,000 From TamilNadu Government for student project
Awarded Received	100% produced Academic result in Anna university Examination
Other Information	NBA coordinator, Lab Coordinator, Project Coordinator, Alumni Coordinator, Fine arts coordinator

  
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## **Structure and Content of the programme from 06-11-2017 to 10-11-2017 R Programming**

### **Introduction:**

R is a powerful programming language that has gained popularity in recent years, especially in the field of data analysis and statistical computing. Developed by Ross Ihaka and Robert Gentleman in 1993, R is an open-source software that is free to use and has a large community of users and developers. This report provides an overview of R programming, including its history, features, and applications.

In today's business world, data analysis and statistical modeling are essential skills for MBA students. R is a powerful programming language that is widely used for data analysis, statistical modeling, and data visualization. This report provides an overview of R programming and its use for MBA students.

**Below are the snippets of topics taught by Mrs. C. Mallika during the course:**

### **Scope of R Programming for MBA Students:**

**Data Analysis:** R is a versatile tool for data analysis and manipulation, which makes it an ideal choice for MBA students who need to analyze data and make informed business decisions. R has a variety of functions and packages that make it easy to clean, manipulate, and visualize data.

**Statistical Modeling:** R is a powerful tool for statistical modeling, including linear regression, logistic regression, and time series analysis. MBA students can use R to build and evaluate models that can help them make informed business decisions.

**Data Visualization:** R is a valuable tool for data visualization, including scatter plots, histograms, and bar charts. MBA students can use R to visualize data and results, which can help them communicate their findings and make more informed business decisions.

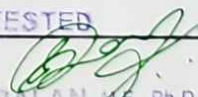
**Machine Learning:** R is used for machine learning, including decision trees, random forests, and neural networks. MBA students can use R to build and evaluate machine learning models, which can help them make informed business decisions.

### **How to Learn R Programming:**

**Online Resources:** There are a variety of online resources for learning R programming, including tutorials, forums, and online courses. MBA students can use these resources to learn the basics of R programming and how to apply it to their specific needs.

**Books:** There are a variety of books available on R programming, including introductory texts, advanced texts, and books that focus on specific applications. MBA students can use these books to learn more about R programming and how to apply it to their specific needs.

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Community: R has a large community of users and developers, who are a valuable resource for MBA students. MBA students can ask questions, share their experiences, and learn from others who are using R programming.

### **Benefits of using R for Data Analysis:**

**Versatility:** R is a versatile tool that can be used for a wide range of data analysis tasks, from basic data cleaning and manipulation to advanced statistical modeling and machine learning. R also has a vast array of packages and functions that can be used to perform specific data analysis tasks, making it a flexible and efficient tool for data analysis.

**User-friendly Interface:** R has a user-friendly interface, with a simple and intuitive syntax that makes it easy to use for even those with limited programming experience. This makes it a great choice for individuals who are new to data analysis and programming, as well as those who are already familiar with other programming languages.

**Graphics and Visualization:** R is also an excellent tool for data visualization, with a wide range of packages and functions for creating plots, graphs, and charts. These visualizations can be used to quickly and easily communicate data insights and results, making it easier for stakeholders to understand and interpret complex data.

### **Steps involved in conducting a basic data analysis using R:**

**Importing Data:** The first step in conducting a data analysis using R is to import the data. This can be done using the `read.csv` function, which allows you to import a data file in CSV format into R.

**Cleaning and Manipulating Data:** After the data has been imported, it may need to be cleaned and manipulated to prepare it for analysis. This can be done using R functions and packages, such as `dplyr` and `tidyr`, which provide tools for cleaning, transforming, and aggregating data.

**Exploratory Data Analysis:** The next step is to perform exploratory data analysis, which involves reviewing the data and generating summary statistics to get a better understanding of the data structure and distribution. This can be done using R functions and packages, such as `summary` and `ggplot2`, which provide tools for generating summary statistics and creating visualizations.

**Modeling:** Once the data has been prepared and reviewed, it can be used to build statistical models or perform machine learning analysis. R has a wide range of packages and functions for building models, including linear regression, logistic regression, and decision trees.

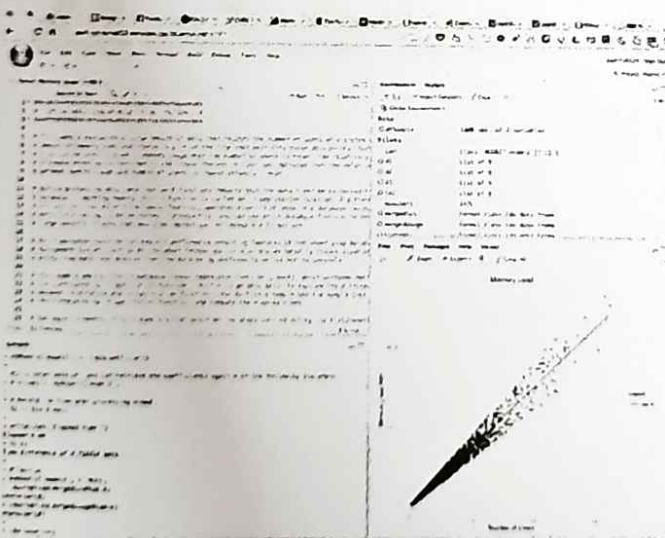
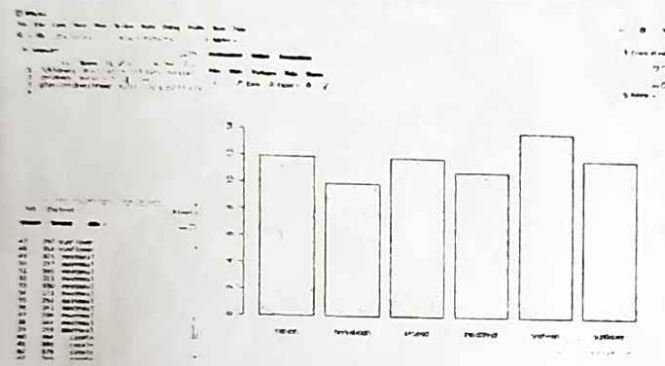
**Interpreting Results:** The final step is to interpret the results of the analysis, including reviewing the results of the models and visualizations. The results can be used to draw conclusions, make predictions, or inform decision-making.

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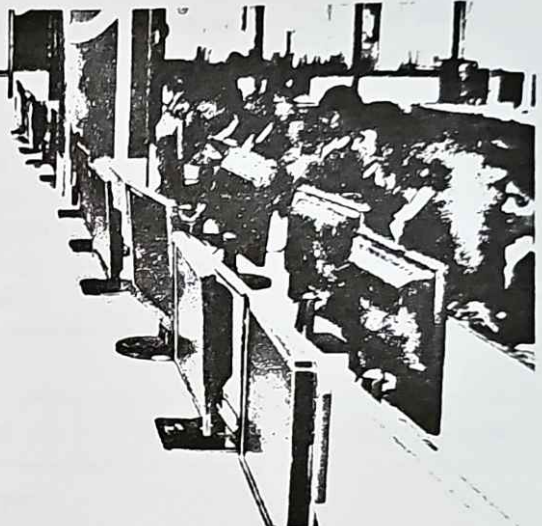
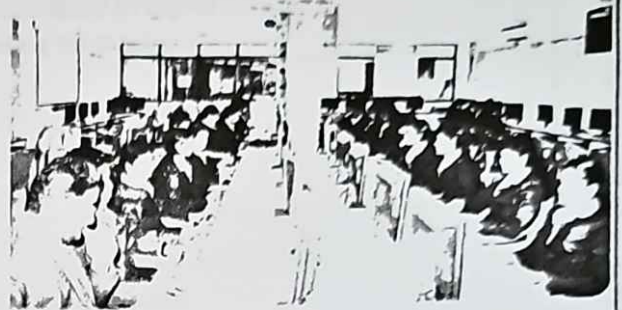
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# Sample Screenshots:



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**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),  
DEPARTMENT OF MANAGEMENT STUDIES  
Feedback for Path Finding for B School**

Name of the student: <i>Prashanti</i>				
Class: <i>MBA</i>				
Section: <i>A</i>				
Batch: <i>2017-2019</i>				
1. The information presented today was clear and easy to understand				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree
2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree
3. The presenter spoke in a way that was clear and easy to understand				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree
4. The presenter interacted well with the audience				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree
5. The presenter seemed well-informed about the topic				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree
6. You are likely to use this information in the future				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree
7. How would you rate the overall experience of the event				
Strongly Agree	<input checked="" type="radio"/> Agree	<input type="radio"/> Neutral	<input type="radio"/> Disagree	<input type="radio"/> Strongly Disagree

*[Signature]*  
Signature

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**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),  
DEPARTMENT OF MANAGEMENT STUDIES  
Feedback for Value Added Course on R Programming**

Name of the student: V. Stalin

Class: 1MBA - A

Section: A

Batch: 2017-19

1. The information presented today was clear and easy to understand

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

<input type="checkbox"/> Strongly Agree	<input checked="" type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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3. The presenter spoke in a way that was clear and easy to understand

<input type="checkbox"/> Strongly Agree	<input checked="" type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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4. The presenter interacted well with the audience

<input type="checkbox"/> Strongly Agree	<input checked="" type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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5. The presenter seemed well-informed about the topic

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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6. You are likely to use this information in the future

<input type="checkbox"/> Strongly Agree	<input checked="" type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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7. How would you rate the overall experience of the event

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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*V. Stalin*  
Signature

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**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),  
DEPARTMENT OF MANAGEMENT STUDIES  
Feedback for Value Added Course on R Programming**

Name of the student: S. Priyanka

Class: I MBA 'B'

Section: B'

Batch: 2017-2019

1. The information presented today was clear and easy to understand

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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2. The materials used (eg. Presentation, slides, videos) were helpful and contained useful information.

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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3. The presenter spoke in a way that was clear and easy to understand

<input type="checkbox"/> Strongly Agree	<input checked="" type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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4. The presenter interacted well with the audience

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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5. The presenter seemed well-informed about the topic

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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6. You are likely to use this information in the future

<input type="checkbox"/> Strongly Agree	<input checked="" type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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7. How would you rate the overall experience of the event

<input checked="" type="checkbox"/> Strongly Agree	<input type="checkbox"/> Agree	<input type="checkbox"/> Neutral	<input type="checkbox"/> Disagree	<input type="checkbox"/> Strongly Disagree
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Thethi, Nagore - 641 092.

Nagapattinam, Tamil Nadu,

Sample Certificates:



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**DEPARTMENT OF MANAGEMENT STUDIES**

THIS CERTIFIES THAT

**ABINAYA A**

HAS SUCCESSFULLY COMPLETED THE R PROGRAMMING  
VALUE ADDED COURSE AND HAS AWARDED GRADE 'O'

10 NOVEMBER 2017

Mrs. B. Asha Daisy  
Course In-Charge

Dr. R. Karthi,  
Director & Head-MBA



**E.G.S PILLAY ENGINEERING COLLEGE (AUTONOMOUS) NAGAPATTINAM**  
**DEPARTMENT OF MANAGEMENT STUDIES**

THIS CERTIFIES THAT

**ABILA B**

HAS SUCCESSFULLY COMPLETED THE R PROGRAMMING  
VALUE ADDED COURSE AND HAS AWARDED GRADE 'O'

10 NOVEMBER 2017

Mrs. B. Asha Daisy  
Course In-Charge

Dr. R. Karthi,  
Director & Head-MBA

ATTESTED

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