

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT Approved by AICTE New Delhi & Affiliated to Anna University, Chennai (A Telugu Minority Institution)

20ECEVAC02 – DATA SCIENCE FOUNDATION USING R

EVENT REPORT

Name of the Course: DATA SCIENCE FOUNDATION USING R

Name of the Instructor: Mrs. G. Kavitha. Asst Prof, SVCET

Mr. M. Muthamizlan, Asst Prof, SVCET

Year and Branch: IV & ME-VLSI - ELECTRONICS AND COMMUNICATION ENGINEERING

Duration of Course: 35 Hrs (07.09.2020 to 12.09.2020)

SUMMARY OF THE EVENT:

The Course was inaugurated on **07.09.2020** at 8.30 am by our respectable Principal and HOD. As per the Course plan session was started and went smooth for the remaining days. On the last day **12.09.2020** by 2.30 pm the course was Completed Successfully.

During the Six Days of the program Students were participated with enthusiasm and they finally gained Knowledge on "Data Science Foundation Using R"

ASSESMENT MODE:

No of Students Enrolled: 79

Scheme of Exam: Online

No of Students appeared: 79

No of Students Passed: 79

Date of Exam: 12.09.2020

OUTCOME:

The students were able to understand the programming in R Software, basics of Data Science, Analyses the statics of data, data collections and preprocessing methods.

COORDINATOR

(Mrs. S. Anusha)

HOD/ECE

(Mr.V. Rajeshkumar)

PRINC

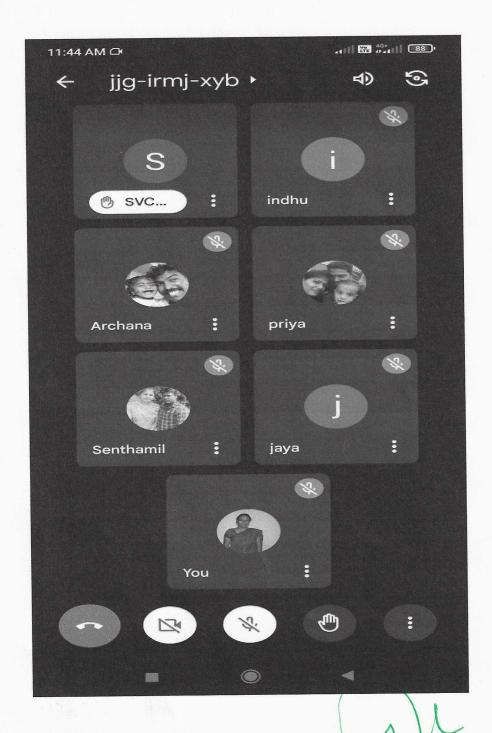




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20ECEVAC02 - DATA SCIENCE FOUNDATION USING R







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REQUEST LETTER

From

Mr. V. Rajesh Kumar HOD /ECE SVCET Thirupachur.

To,

The Principal SVCET Thirupachur

Respected sir,

Sub: Requesting permission to conduct a 6 Days value added course -Reg

As the head of **Electronics and Communication Engineering** Department, I would like to request your support and permission to conduct Training Program on "**Data Science Foundation Using R**" in our department. There is a need that has been identified of keeping the students up to date with the new technologies. Most students would not have knowledge on this area which is not our available in our curriculum. So, there is need for a there is need for this program to challenge the industry opportunities.

The dates for the Training program have been fixed. The Training will start on 07.09.2020 and end on 12.09.2020 (35 Hrs). Will be handled by them Mrs. G. Kavitha Asst. Prof SVCET and Mr. M. Muthamizlan Asst. Prof SVCET. I kindly request your assistance in providing Tea and snack for the participants (students).

Please find the attached Invitation, circular to students, and a presentation highlighting the key areas that will be focused in the Training program.

Thanking You

HOD /ECE

(Mr.V. Rajeshkumar)

rhirupachur

PR NCIPAL Sri Venkateswara Co

Sri Venkateswara College of Engineering and Technology, Thirupachur, Thiruvallur - 631 203 PRINCIPAL

(Dr. J. Venkatesh)



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01.09.2020

CIRCULAR

The department of Electronics and Communication Engineering will be conducting value added course on "Data Science Foundation Using R" from 07.09.2020 to 12.09.2020 (35 Hrs). It is proposed to keep the students up to date with the new technologies.

All the students are requested to participate actively, certificate will be provided for the enrolled Participants.

All the interested candidates should enroll their names to Mrs. S. Anusha, Assistant Professor, Department of Electronics and Communication Engineering on or before 04.09.2020

(Mr.V. Rajeshkumar)

PRINCIPAL

(Dr. J. Venkatesh)

Sri Venkateswara College of Engineering and Technology,

Thirupachur, Thiruvallur - 631 203



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING "DATA SCIENCE FOUNDATION USING R"

Date: 07.09.2020 - 12.09.2020

RESOURCE PERSON

- 1. Mrs. G. Kavitha / Asst Prof / SVCET
- 2. Mr. Muthamizlan / Asst Prof / SVCET

Mr. V. Rajeshkum

HOD / ECE



PRINCIPAL
Sri Venkateswara College of
Engineering and Technology,
Thirupachur, Thiruvallur - 631 203

Dr.J. Venkates



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RESOURCE PERSON PROFILE

Resource person:1

Name

Mrs. G. Kavitha

Designation

Assistant Professor

Department

ECE

Organization

SVCET

Phone Number

Email.ID

8807481706

Qualification

kavithabe5@gmail.com

ME

Experience

9 years

Resource person:2

Name

Mrs. M. Muthamizlan

Designation

Assistant Professor

Department

ECE

Organization

SVCET

Phone Number

9789957106

Email.ID

Muthamizianmuthu@gmail.com

Qualification

ME

Experience

13 Years

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20ECEVAC02 - DATA SCIENCE FOUNDATION USING R

COURSE CONTENT

OBJECTIVES

- To Understand the programming of R software
- To understand the basics of Data science
- To analyses the statistics of data, data collection and pre-processing methods

MODULE-I: INTRODUCTION TO R PROGRAMMING

Introduction: R interpreter, Introduction to major R data structures like vectors, matrices, arrays, list and data frames, Control structures, vectorized if and multiple selection, functions.

MODULE-II: INTRODUCTION TO DATA SCIENCE

Introduction to Data Science-Evolution of Data Science - Data Science Roles - Stages in a Data Science Project - Applications of Data Science in various fields - Data Security Issues.

MODULE-III: DATA COLLECTION PRE-PROCESSING

Data Collection Strategies – Data Pre-Processing Overview –Data Cleaning – Data Integration and Transformation –Data Reduction –Data Discretization

OUTCOMES:

- To Understand the programming in R software.
- To Understand the basics of Data science.
- To analyses the statistics of data, data collection and pre-processing methods

COORDINATOR

(Mrs. S. Anusha)

HOD /ECE

(Mr.V. Rajeshkumar)

PRINCIPAL





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20ECEVAC02 – DATA SCIENCE FOUNDATION USING R <u>COURSE SCHEDULE</u>

Day & Date	Session & Time	ng Schedule –DATA SCIENCE FOU. Speaker Name	Session Topics					
	8.30 am to	Mrs. G. Kavitha, Asst Prof, SVCET	Introduction to R Programming:					
Day 1 &	10.30am	IVITS. G. KAVILIIA, ASSI PTOI, SVCET						
07.09.2020	10.45 am to	Ma Mathamialan Anat Doof SUCET	Interpreter					
07.09.2020		Mr. Muthamizlan, Asst Prof, SVCET	Explain the strengths and weaknesses					
	12.45 pm	M. C. W. M. A. A. D. C. CIMOTT	of R and Python					
	1.30 pm to 3.30pm	Mrs. G. Kavitha, Asst Prof, SVCET	Introduction to major R data structure					
Day 2	8.30 am to	Mr. Muthamizlan, Asst Prof, SVCET	R Programming using Vectors and					
&	10.30am	× ×	Matrices					
08.09.2020	10.45 am to	Mrs. G. Kavitha, Asst Prof, SVCET	R Programming using arrays, list and					
	12.45 pm		data frames					
	1.30 pm to	Mr. Muthamizlan, Asst Prof, SVCET	R Programming using arrays, list and					
	3.30pm		data frames					
Day 3	8.30 am to	Mrs. G. Kavitha, Asst Prof, SVCET	Programming using vectorized if and					
&	10.30am		multiple selection, functions.					
09.09.2020	10.45 am to	Mr. Muthamizlan, Asst Prof, SVCET	Introduction to Data Science					
	12.45 pm	Trial tributation, Plant 101, 5 v CE1	introduction to Data Science					
	1.30 pm to	Mrs. G. Kavitha, Asst Prof, SVCET	Evolution of Data Science - Data					
	3.30pm	Title. G. Havilla, 1650 1101, 5 v OD1	Science Roles					
Day 4	8.30 am to	Mr. Muthamizlan, Asst Prof, SVCET	Stages in a Data Science Project					
&	10.30am	ivii. Ividilaitiizadii, 1 iste 1 ioi, 5 v CE1	Stages in a Data Science Project					
10.09.2020	10.45 am to	Mrs. G. Kavitha, Asst Prof, SVCET	Applications of Data Science in					
	12.45 pm	11101 011111111111111111111111111111111	various fields					
	1.30 pm to	Mr. Muthamizlan, Asst Prof, SVCET	Data Security Issues					
	3.30pm	111111111111111111111111111111111111111						
Day 5	8.30 am to	Mrs. G. Kavitha, Asst Prof, SVCET	Data Collection Strategies					
&	10.30am							
11.09.2020	10.45 am to	Mr. Muthamizlan, Asst Prof, SVCET	Data Pre-Processing Overview					
	12.45 pm	,						
-		Mrs C Varitha Acat Deaf CUCET	Data Classing					
	1.30 pm to	Mrs. G. Kavitha, Asst Prof, SVCET	Data Cleaning					
	3.30pm							
Day 6	8.30 am to	Mr. Muthamizlan, Asst Prof, SVCET	Data Integration and Transformation					
&	10.30am							
12.09.2020	10.45 am to	Mrs. G. Kavitha, Asst Prof, SVCET	Data Reduction					
N 7	12.45 pm							
	1.30 pm to	Mr. Muthamizlan, Asst Prof, SVCET	Data Discretization					
. \ .	2.30pm		\mathcal{O}_{00}					

COORDINATOR

Mrs. S Anusha Thirupachur Pin: 631 203 PRINCIPAL (M

(Mr.V. Rajeshkumar)



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20ECEVAC02 - DATA SCIENCE FOUNDATION USING R

Course Code	20ECEVAC02
Name of the Course	DATA SCIENCE FOUNDATION USING R
Duration of the Course	35 HOURS
Academic Year	2020-21
Period of the Course	07.09.2020-12.09.2020

LIST OF STUDENTS ENROLLED

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
1	IV	112417106017	GOKUL ESWARAN.N
2	IV	112417106019	GRACEYAS.M
3	IV	112417106020	HAARTHI I
4	IV	112417106023	ILAKKIYA.P
5	IV	112417106025	KARANAM BHARATH KUMAR REDDY
6	IV	112417106027	KOWSALYA.R
7	IV	112417106029	LAKSHMIPRIYA S
8	IV	112417106031	MADHANRAJ GP
9	IV	112417106033	MALATHI.J
10	IV	112417106037	MOHANAKRISHNAN.D
11	IV	112417106039	MONISHA.P
12	IV	112417106041	NAGENDIRAN.M
13	IV	112417106045	PRASANTHI.B
14	IV	112417106047	PUNITH KUMAR.M
15	IV	112417106049	RAKESH.R
16	IV	112417106051	RAMANUJAM.M
17	IV	112417106053	SADHANA S
18	IV	112417106055	SANGEETHA.V PRIN

Thirupachur Pin: 631 203



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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
19	IV	112417106061	SARAVANAN.K
20	IV	112417106065	SIVA KUMAR K
21	IV	112417106069	SUJITHKUMAR
22	IV	112417106071	SURENDHAR.S
23	IV	112417106075	SWETHA A
24	IV	112417106077	TAMILARASI
25	IV	112417106079	VASUMATHI
26	IV	112417106080	VEERASEKARAN.G
27	IV	112417106082	VINITHA
28	IV	112417106083	YAMINI.K
29	IV	112417106085	YUVARAJ.P
30	IV	112417106086	YUVARANI
31	IV	112417106303	SANTHOSH KUMAR
32	IV	112417106004	ASWINI.U
33	IV	112417106006	BHAVANI.K
34	IV	112417106010	DEVAGI T
35	IV	112417106012	DIVYA.M
36	IV	112417106014	DOMMITHI DINESHKUMAR REDDY
37	IV	112417106016	GNANAVEL M
38	IV	112417106018	GOMATHI S
39	IV	112417106022	HIDAYATHULLAH.A.R
40	IV	112417106024	JANANI.S
41	IV	112417106026	KIRAN SOFIA B
42	IV	112417106030	LAVANYA J
43	IV	112417106032	MAGESWARI.T.M
44	ĬV	112417106034	MARIA VICTORIA A
48,084	COLFEGE	112417106035	MOHAMED NAVAZ



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		(B	gu Minor ny msatataon)								
S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS								
46	IV	112417106036	MOHAMMED NIYAZ.S								
47	IV	112417106038	MONISHA D								
48	IV	112417106040	MUTHULAKSHMI.S								
49	IV	112417106042	PAVITHIRA.S								
50	IV	112417106044	PRAJAPATHI S								
51	IV	112417106046	PRAVEEN KUMAR.R								
52	IV	112417106048	RAGUPATHI B								
53	IV	112417106050	RAKESH KUMAR.R								
54	IV	112417106052	RAMYA.R								
55	IV	112417106054	SANGAMITHIRA A								
56	IV	112417106056	SANJAY.C								
57	IV	112417106058	SANTHOSH KUMAR.S								
58	IV	112417106059	SARANYA.N								
59	IV	112417106060	SARASWATHI.S								
60	IV	112417106063	SHARMILA D								
61	IV	112417106064	SINDHYA.D								
62	IV	112417106066	SIVENESH.E								
63	IV	112417106067	SOWMIYA.Y								
64	IV	112417106068	SREE HARITHA R								
65	IV	112417106070	SUMATHI.M								
. 66	IV	112417106072	SUSMITHA.R								
67	IV	112417106073	M.SWATI								
68	IV	112417106074	SWATHI.S								
69	IV	112417106076	TAMILSELVI.R								
70	IV	112417106084	YUVRAJ.E								
71	IV	112417106304	K.SONIA								
72	AA COL	192417106701	DEEPIKA PRINC								

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS
70	II-ME-		
73	VLSI	112419419001	ANITHA S
74	II-ME-		
74	VLSI	112419419002	DIVYABHRATHI V
7.5	II-ME-		_
75	VLSI	112419419003	KOWSALYA J
70	II-ME-		
76	VLSI	112419419004	MONISHA C
77	II-ME-		
77	VLSI	112419419005	NANDHINI K
70	II-ME-		
78	VLSI	112419419006	SUGANYA J
70	II-ME-		
79	VLSI	112419419007	VINNARASU G

COORDINATOR

(Mrs. S. Anusha)

HOD ÆCE

(Mr.V. Rajeshkumar)

Thirupachur Pin: 631 203



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20ECEVAC02 – DATA SCIENCE FOUNDATION USING R

Course Code	20ECEVAC02
Name of the Course	DATA SCIENCE FOUNDATION USING R
Duration of the Course	35 HOURS
Academic Year	2020-21
Period of the Course	07.09.2020-12.09.2020

ATTENDANCE

		REGISTER	NAME OF	07.0	9.20	08.0	9.20	09.0	9.20	10.0	9.20	11.0	9.20	12.09	0.20	TOTAL HOURS (35)
S.NO	YEAR	NUMBER	STUDENTS	6 HC	URS	6 НО	URS	6 HO	URS	6 HO	URS	6 HO	URS	5 HO	URS	(55)
				FN	AN	FN	AN									
1	IV	112417106017	GOKUL ESWARAN. N	1	1	/	/	/	1	/	/	/	/	/	/	35
2	IV	112417106019	GRACEYA S.M	1	1	/	/	/	/	/	1	1	/	/	1	35
3	IV	112417106020	HAARTHI I	1	1	1	/	1	1	1	1	/	/	1	/	35
4	IV	112417106023	ILAKKIYA.	1	1	1	/	/	1	1	/	/	1	/	1	35
5	IV	112417106025	KARANAM BHARATH KUMAR REDDY	1	1	/	/	1	/	/	/	/	/	/	/	35
6 .	IV	112417106027	KOWSALY A.R	1	/	/	1	1	/	1	/	/	/	/	/	35
- 7	ı, IV	112417106029	LAKSHMIP RIYA S	1	1	1	1	/	/	/	1	/	1	/	/	35
8	IV	112417106031	MADHANR AJ GP	1	1	/	/	1	/	1	/	/	1	1	/	35
9	IV	112417106033	MALATHI.J	1	/	/	1	1	1	1	1	1	/	/	/	35
10	IV	112417106037	MOHANAK RISHNAN. D	1	1	1	1	1	/	1	1	1	/	/	/	35
11	IV	112417106039	MONISHA.	1	1	/	1	1	1	1	/	/	1	/	1	35
12	IV	112417106041	NAGENDIR AN.M	/	1	/	1	1	1	/	/	/	1	1	/	35
13	IV	112417106045	PRASANTH I.B	1	1	1	/	1	/	/	/	1	1	/	1	36
14	IV	112417106047	PUNITH KUMAR.M	1	1	/	/	1	1	/	/	/	1	\langle	/	35
15	IV	112417106049	RAKESH.B	COLI	EGFO		/	/	/	/	/	/	//-	RINC	164	35

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			-	10.08	.20	11.08.2	20	12.08.	20	13.08.	20	14.08	.20	15.08.	20	TOTAL
S.N O	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	6 HO	URS	6 HOU	JRS	6 HO	URS	6 HO	URS	6 HO	URS	5 HO	URS	HOURS (35)
		T(C)		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
16	IV	112417106051	RAMANUJ AM.M	1	1	1	/	/	1	/	/	1	1	/	/	35
17	IV	112417106053	SADHANA S	1	1	/	1	-/	1	1	1	/	1	/	/	35
18	IV	112417106055	SANGEETH A.V	/	1	1	1	/	1	1.	1	1	1	/	/	35
19	IV	112417106061	SARAVAN AN.K	1	/	1	1	1	1	1	/	/	1	/	/	35
20	IV	112417106065	SIVA KUMAR K	1	1	1	1	/	/	/	1	/	/	/	/	35
21	IV	112417106069	SUJITHKU MAR	1	1	1	/	/	/	1	1	/	1	/	/	35
22	IV	112417106071	SURENDH AR.S	1	1	1	1	1	/	/	/	1	/	/	/	35
23	IV	112417106075	SWETHA A	1	1	1	/	/	/	/	1	/	/	1	/	36
24	IV	112417106077	TAMILARA SI	1	1	1	1	1	/	/	/	1	/	/	/	35
25	IV	112417106079	VASUMAT HI	1	1	1	/	1	/	/	1	1	1	/	1	36
26	IV	112417106080	VEERASEK ARAN.G	/	1	1	1	1	1	/	1	1	/	1	/	35
27	IV	112417106082	VINITHA	1	1	1	/	1	1	/	1	1	1	/	/	34
28	IV	112417106083	YAMINI.K	1	1	1	/	1	/	1	/	/	/	1	1	35
29	IV	112417106085	YUVARAJ. P	1	1	1	1	/	1	1	1	1	/	/	1	35
30	IV	112417106086	YUVARAN	1	1	1	1	1	1	/	1	1	1	1	/	35
31	IV	112417106303	SANTHOS H KUMAR	1	1	1		1	1	1	/	1	/	1	/	35
32	IV	112417106004	ASWINI.U	1	1	1	1	1	/	/	/	1	1	1	1	34
33	IV	112417106006	BHAVANI. K	1	1	1	1	/	/	1	1	1	/	1	1	3F
34	IV	112417106010	DEVAGI T	1	1	/	1	1	/	/	1	1	1	/	/	35
35	IV	112417106012	DIVYA.M	1	1	1	1	1	1	1	1	/	1	1	/	3F
36	IV	112417106014	DOMMITHI DINESHKU MAR REDDY	1	1	/	/	/	/	1	/	1	/	/	/	3F
37	IV	112417106016	GNANAVE	/	1	./	1	1	1	/	/	1	1	X	/	35
38	IV	112417106018	SOM PHIL		/	1	/	1	/	/	1	X		6	SAL	llege o



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			NAMES	10.08	3.20	11.08.	20	12.08	3.20	13.08	.20	14.08	.20	15.08.2	20	TOTAL
S.N O	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	6 HC	URS	6 HOU	JRS	6 HO	URS	6 HO	URS	6 HO	URS	5 HOU	JRS	HOURS (35)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
39	IV	112417106022	HIDAYATH ULLAH.A.R	1	/	1	1	-/	1	/	/	/	/	/	/	35
40	IV	112417106024	JANANI.S	1	1	/	1	1	1	1	1	1	/	/	1	35
41	IV	112417106026	KIRAN SOFIA B	1	1	/	/	/	/	1	/	1	/	1	1	35
42	IV	112417106030	LAVANYA J	1	1	1	/	1	/	/	1	1	/	1	1	35
43	IV	112417106032	MAGESWA RI.T.M	1	1	1	1	1	1	1	1	/	/	/	1	35
44	IV	112417106034	MARIA VICTORIA A	1	1	1	/	1	1	/	1	1	1	1	1	35
45	IV	112417106035	MOHAMED NAVAZ	1	1	1	/	1	1	/	/	1	/	1	1	35
46	IV	112417106036	MOHAMM ED NIYAZ.S	1	1	1	1	1	1	1	1	1	/	1	1	35
47	IV	112417106038	MONISHA D	1	1	1	1	/	1	/	1	1	1	1	/	35
48	IV	112417106040	MUTHULA KSHMI.S	1	1	1	1	1	/	1	1	1	1	1		35
49	IV	112417106042	PAVITHIR A.S	1	1	/	1	1	/	1	1	1	/	1	/	35
50	IV	112417106044	PRAJAPAT HI S	1	/	1	/	1	1	1	1	1	1	/	1	35
51	IV	112417106046	PRAVEEN KUMAR.R	1	1	/	1	1	1	1	/	1	1	/	/	35
52	IV	112417106048	RAGUPAT HI B	1	1	1	/	1	1	/	1	1	1	1	1	35
53	IV	112417106050	RAKESH KUMAR.R	1	1	1	/	1	1	1	1	1	1	1	1	35
54	IV	112417106052	RAMYA.R	1	1	/	1	1	1	1	/	1	/	1	1	36
55	IV	112417106054	SANGAMIT HIRA A	1	1	/	1	/	1	/	/	1	1	/	/	35
56	IV	112417106056	SANJAY.C	1	1	/		1	1	1	1	1	1	/	1	35
57	IV	112417106058	SANTHOS H KUMAR.S	1	/	1	1	1	/	1	/	1	1	1/	/	35
58	IV	112417106059	SARANYA. N	1	1	1	1	1	1	1	/	1	1	1	/	35
59	IV	112417106060	SARASWA THI.S	1	1	1	1	1	1	1	1	1	/	/	/	35
60	IV	112417106063	SHARMILA	1	1	1	1	/	1	1	1	1	1	X	/	35
61	IV	112417106064	SINDHY ACO	LEGE		/	1	1	1	/	1	1	1)	X	V	35
			SINDHAACO D SA Thiru	ipach 631 20	THE NOG						Sri	Venk	ates	Wara	Colle	ge of



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				10.08	.20	11.08.	20	12.08	.20	13.08	.20	14.08	.20	15.08.	20	TOTAL
S.N O	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	6 HO	URS	6 HO	URS	6 HO	URS	6 HO	URS	6 HO	URS	5 HO	URS	HOURS (35)
		1,01,22		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	(33)
62	IV	112417106066	SIVENESH. E	1	1	/	1	1	1	1	1	1	/	1	1	35
63	IV	112417106067	SOWMIYA. Y	1	1	1	/	1	/	1	1	/	1	1	1	35
64	IV	112417106068	SREE HARITHA R	1	1	1.	1	1	1	1	1	1	1	1	1	35
65	IV	112417106070	SUMATHI. M	1	1	1	1	/	/	/	1	1	1	/	1	35
66	IV	112417106072	SUSMITHA .R	1	1	/	/	1	1	/	1	1	/	/	1	35
67	IV	112417106073	M.SWATI	1	1	1	1	/	1	/	1	/	1	/	1	35
68	IV	112417106074	SWATHI.S	1	1	/	/	/	1	/	/	1	/	/	1	35
69	IV	112417106076	TAMILSEL VI.R	1	1	1	/	1	1	/	/	/	/	/	/	35
70	IV	112417106084	YUVRAJ.E	1	1	1	1	/	1	1	1	/	1	1	/	35
71	IV	112417106304	K.SONIA	1	1	/	1	/	/	1	1	1	1	1	/	35
72	IV	112417106701	DEEPIKA	1	1	1	1	/	1	1	1	1	/	/	/	35
73	II-ME- VLSI	112419419001	ANITHA S	/	1	1	1	1	1	1	/	/	1	1	/	35
74	II-ME- VLSI	112419419002	DIVYABHR ATHI V	/	1	/	/	1	/	/	1	/	1	/	1	35
75	II-ME- VLSI	112419419003	KOWSALY A J	1	1	1	1	/	/	/	1	1	/	/	/	35
76	II-ME- VLSI	112419419004	MONISHA C	1	1	1	1	/	/	1	/	1	1	/	/	35
77	II-ME- VLSI	112419419005	NANDHINI K	1	1	/	1	/	1	/	1	1	/	1	1	35
78	II-ME- VLSI	112419419006	SUGANYA J	1	1	1	1	/	/	1	1	1	1	1	1	35
79	II-ME- VLSI	112419419007	VINNARAS U G	/	1	1	1	1	1	1	1	/	1	1	1	35

COORDINATOR

(Mes. S. Anusha)

Thirupachur

Fin: 631 203

PRINCIPAL

Sri Venkateswara College of Engineering and Technology, Thirupachur, Thiruvallur - 631 203

HOD/ECE

(Mr.V. Rajeshkumar)



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20ECEVAC02 - DATA SCIENCE FOUNDATION USING R

TEST QUESTIONS

- 1. The most convenient way to use R is at a graphics workstation running a system
 - a) windowing
 - b) running
 - c) interfacing system.
 - d) matrix
- 2. Point out the wrong statement?
 - a) Setting up a workstation to take full advantage of the customizable features of R is a Straight forward thing
 - b) q0 is used to quit the R program
 - c) R has an inbuilt help facility similar to the man facility of UNIX
 - d) Windows versions of R have other optional help systems also
- 3. Point out the wrong statement?
 - a) Windows versions of R have other optional help system also
 - b) The help. Search command (alternatively??) allows searching for help in Various ways
 - c) R is case insensitive as are most UNIX based packages, so A and a are different symbols and would refer to different variables
 - d) \$ R is used to start the R program
- 4. Which of the following statement is alternative to
 - a) help (solve)
 - b) print (solve)
 - c) bind (solve)
 - d) matrix (solve)
- 5. Elementary commands in R consist of either-or assignments.
 - a) utilstats
 - b) language
 - c) expressions
 - d) packages
- 6. text editor provides more general support mechanisms via ESS for working interactively with R.
 - a) EAC
 - b) Emacs .
 - c) Shell
 - d) ECAP
- 7. Point out the wrong statement?

Pin: 631 203

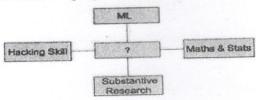
- a) The grammar of the language determines whether an expression is complete or not
- b) The <- symbol is the assignment operator in R
- c) The ## character indicates a comment
- d) R does not support multi-line comments or comment blocks



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- 8. Files containing R scripts end with extension
 - a). S
 - b). R
 - c) Rp
 - d). SP
- 9. Point out the wrong statement?
 - a) operator is used to create integer sequences
 - b) The numbers in the square brackets are part of the vector itself
 - c) There is a difference between the actual R object and the manner in which that R object is printed to the console
 - d) Files containing R a script ends with extension. R
- 10. If commands are stored in an external file, say commands. R in the working directory work, they may be executed at any time in an R session with the command
 - a) source ("commands. R")
 - b) exec ("commands. R")
 - c) execute ("commands. R")
 - d) exact ("command. R")
- 11. Which of the following would be more appropriate to be replaced with question mark in the following figure?



- a) Data Analysis
- b) Data Science
- c) Descriptive Analytics
- d) None of the mentioned
- 12. Point out the correct statement.
 - a) Raw data is original source of data
 - b) Preprocessed data is original source of data
 - c) Raw data is the data obtained after processing steps
 - d) Not mentioned
- 13. Which of the following is performed by Data Scientist?
 - a) Define the question
 - b) Create reproducible code
 - c) Challenge results
 - d) All of the mentioned
- 14. Which of the following is the most important language for Data Science?
 - a) Java
 - b) Ruby
 - c) R
 - d) None of the mentioned





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- 15. Point out the wrong statement.
 - a) Merging concerns combining datasets on the same observations to produce a result
 - b) Data visualization is the organization of information according to preset spec.
 - c) Subletting can be used to select and exclude variables and observations
 - d) All of the mentioned
- 16. Which of the following approach should be used to ask Data Analysis question?
 - a) Find only one solution for particular problem
 - b) Find out the question which is to be answered
 - c) Find out answer from dataset without asking question
 - d) None of the mentioned
- 17. Which of the following is one of the key data science skills?
 - a) Statistics
 - b) Machine Learning
 - c) Data Visualization
 - d) All of the mentioned
- 18. Raw data should be processed only one time.
 - a) True
 - b) False
- 19. Which of the following is a key characteristic of a hacker?
 - a) Afraid to say they don't know the answer
 - b) Willing to find answers on their own
 - c) Not Willing to find answers on their own
 - d) All of the mentioned
- 20. Which of the following is characteristic of Processed Data?
 - a) Data is not ready for analysis
 - b) All steps should be noted
 - c) Hard to use for data analysis
 - d) None of the mentioned

COORDINATOR

(Mrs. S. Anusha)

HOD ÆCE

(Mr.V. Rajeshkumar)





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20ECEVAC02 – DATA SCIENCE FOUNDATION USING R FEEDBACK FORM

FEEDBACK FORM	
20ECEVAC02- Data Science Foundation Using R	
* Indicates required guestion	
THE REPORT OF THE CONTROL OF THE CON	
YEAR/SEM	
REGISTER NUMBER & NAME OF STUDENT	
II/IV - 112419106020 - SOFIYA R -12.09.2020	
1. This course was interesting	
a) Strongly Agree	
D) Agree	
C) Moderate	
d) Disagree	*
e) Strongly Disagree	
2. Was this course useful?	
a) Strongly Agree	
✓ b) Agree	
C) Moderate	
d) Disagree	
e) Strongly Disagree	
3. During the course did you find any technical Difficulties?	i i
a) Strongly Agree	
b) Agree	
C) Moderate	
e) Strongly Disagree Thirupachur	1
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4. Did the instructor delivered the information, you didn't know already
a) Strongly Agree
b) Agree
c) Moderate
d) Disagree
e) Strongly Disagree
5. The Subject matter was presented effectively
a) Strongly Agree
✓ b) Agree
C) Moderate
(d) Disagree
e) Strongly Disagree
6. This instructor helped me learn about how the course works in the real world.
a) Strongly Agree
✓ b) Agree
c) Moderate
d) Disagree
e) Strongly Disagree
7. This instructor provided information I can use to be successful in my career.
7. This instructor provided information real use to be successful in my datest.
a) Strongly Agree
b) Agree
c) Moderate
d) Disagree
e) Strongly Disagree





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8. 0	overall how do you rate the Training Program?	*		
	a) Strongly Agree			
V	b) Agree			
	c) Moderate			
	d) Disagree			
	e) Strongly Disagree		,	

Submitted 12/09/2020 3:20PM

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20ECEVAC02 – DATA SCIENCE FOUNDATION USING R

TEST QUESTIONS

Responses cannot be edited

20ECEVAC02- Data Science Foundation Using R

20ECEVAC02- Data Science Foundation Using R

* Indicates required question

YEAR/SEM
REGISTER NUMBER & NAME OF STUDENT

II/IV - 112419106020 - SOFIYA R

- 1. The most convenient way to use R is at a graphics workstation running a system
- a) windowing
- (b) running
- c) interfacing system.
- () d) matrix





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2. Point out the wrong statement?
a) Setting up a workstation to take full advantage of the customizable features of R is a Straightforward thing
b) q0 is used to quit the R program
c) R has an inbuilt help facility similar to the man facility of UNIX
d) Windows versions of R have other optional help systems also
3. Point out the wrong statement?
a) Windows versions of R have other optional help system also
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(b) print (solve)
C) bind (solve)
d) matrix (solve)
5. Elementary commands in R consist of either or assignments.
(a) utilstats
(b) language
c) expressions
COLLEGE
d) packages
Thirupachur Pin: 631 203
Thirupachur Pin: 631 2033 Engineering and Technology
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Thirupachur, Thiruvallur - 631 203



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	(A Telugu Minority Institution)
6 F	i text editor provides more general support mechanisms via ESS for working interactively with
	a) EAC
(b) Emacs
	c) Shell
	d) ECAP
7.	Point out the wrong statement?
C	a) The grammar of the language determines whether an expression is complete or not.
C	b) The <- symbol is the assignment operator in R
•	
C	d) R does not support multi-line comments or comment blocks
8. F	Files containing R scripts end with extension
0	a) .S
•	b) .R
\bigcirc	c) .Rp
\bigcirc	d) .SP
9. P	oint out the wrong statement?
\cap	a) operator is used to create integer sequences
•	b) The numbers in the square brackets are part of the vector itself
0	c) There is a difference between the actual R object and the manner in which that R object is printed to the console
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Engineering and Technology, Thirupachur, Thiruvallur - 631 203



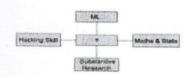
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10. If commands are stored in an external file, say commands. R in the working directory work, they may be executed at any time in an R session with the command

- a) source ("commands.R")
- b) exec ("commands.R")
- c) execute ("commands.R")
- d) exect ("command.R")

11. Which of the following would be more appropriate to be replaced with question mark in the following figure?



- Option 1a) Data Analysis
- (b) Data Science
- c) Descriptive Analytics
- d) None of the mentioned

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1:	2.	Point	out	the	correct	statement.
----	----	-------	-----	-----	---------	------------

•	a) Raw data is original source of data
0	b) Preprocessed data is original source of data
\bigcirc	c) Raw data is the data obtained after processing steps
0	d) Not mentioned
13.	Which of the following is performed by Data Scientist?
\bigcirc	a) Define the question
\bigcirc	b) Create reproducible code
\bigcirc	c) Challenge results
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14.	Which of the following is the most important language for Data Science?
0	a) Java
0	b) Ruby
(0)	c) R
0	d) None of the mentioned
15.	Point out the wrong statement.
\cap	a) Merging concerns combining datasets on the same observations to produce a result
•	b) Data visualization is the organization of information according to preset spec.
	c) Subsetting can be used to select and exclude variables and observations
	d) All of the mentioned
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	Thirupachur Company Sri Vanda Sri Va

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Engineering and Technology, Thirupachur, Thiruvallur - 631 203



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16. Which of the following approach should be used to ask Data Analysis question? a) Find only one solution for particular problem b) Find out the question which is to be answered c) Find out answer from dataset without asking question d) None of the mentioned 17. Which of the following is one of the key data science skills? a) Statistics b) Machine Learning c) Data Visualization d) All of the mentioned 18. Raw data should be processed only one time a) True b) False 19. Which of the following is a key characteristic of a hacker a) Afraid to say they don't know the answer b) Willing to find answers on their own c) Not Willing to find answers on their own d) All of the mentioned





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20. Which of the following is characteristic of Processed Data?

a) Data is not ready for analysis

b) All steps should be noted

c) Hard to use for data analysis

d) None of the mentioned

Submitted 12/09/2020,3:15PM

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20ECEVAC02 - DATA SCIENCE FOUNDATION USING R

Course Code	20ECEVAC02	
Name of the Course	DATA SCIENCE FOUNDATION USING	
Duration of the Course	35 HOURS	
Academic Year	2020-21	
	07.09.2020-12.09.2020	

STUDENT EVALUATION SHEET

s.no	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
1	IV	112417106017	GOKUL ESWARAN.N	35	85
2	IV	112417106019	GRACEYAS.M	36	85
3	IV	112417106020	HAARTHI I	35	90
4	IV	112417106023	ILAKKIYA.P	36	90
5	IV	112417106025	KARANAM BHARATH KUMAR REDDY	35	95
6	IV	112417106027	KOWSALYA.R	35	95
7	IV	112417106029	LAKSHMIPRIYA S	35	90
8	IV	112417106031	MADHANRAJ GP	35	95
9	IV	112417106033	MALATHI.J	35	100
10	IV	112417106037	MOHANAKRISHNAN.D	35	95
11	IV	112417106039	MONISHA.P	36	95
12	IV	112417106041	NAGENDIRAN.M	35	95
13	ÍV	112417106045	PRASANTHI.B	35	100
14	IV	112417106047	PUNITH KUMAR.M	35	85
15	IV	112417106049	RAKESH.R	35	100
16	IV	112417106051	RAMANUJAM.M	35	85
17	IV	112417106053	SADHANA S	35	100
18	IV	112417106655	SANGEETHA.V	3/5	85

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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
19	IV	112417106061	SARAVANAN.K	35	90
20	IV	112417106065	SIVA KUMAR K	35	95
21	IV	112417106069	SUJITHKUMAR	35	95
22	IV	112417106071	SURENDHAR.S	35	95
23	IV	112417106075	SWETHA A	35	95
24	IV	112417106077	TAMILARASI	35	90
25	IV	112417106079	VASUMATHI	35	90
26	IV	112417106080	VEERASEKARAN.G	35	95
27	IV	112417106082	VINITHA	35	95
28	IV	112417106083	YAMINI.K	35	80
29	IV	112417106085	YUVARAJ.P	35	85
30	IV	112417106086	YUVARANI	35	85
31	IV	112417106303	SANTHOSH KUMAR	35	85
32	IV	112417106004	ASWINI.U	35	90
33	IV	112417106006	BHAVANI.K	35	90
34	IV	112417106010	DEVAGIT	35	90
35	IV	112417106012	DIVYA.M	35	85
36	IV	112417106014	DOMMITHI DINESHKUMAR REDDY	35	85
37	IV	112417106016	GNANAVEL M	35	90
38	IV	112417106018	GOMATHI S	35	100
39	IV	112417106022	HIDAYATHULLAH.A.R	35	100
40	IV.	112417106024	JANANI.S	35	90
41	IV	112417106026	KIRAN SOFIA B	35	95
42	IV	112417106030	LAVANYA J	35	95
43	IV	112417106032	MAGESWARI.T.M	35	95
44	IV	112417106034	MARIA VICTORIA A	35	85
45	IV	11241710603	ALLEGE A	135	1 85



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S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
46	IV	112417106036	MOHAMMED NIYAZ.S	35	90
47	IV	112417106038	MONISHA D	35	90
48	IV	112417106040	MUTHULAKSHMI.S	36	90
49	IV	112417106042	PAVITHIRA.S	35	95
50	IV	112417106044	PRAJAPATHI S	35	95
51	IV	112417106046	PRAVEEN KUMAR.R	35	95
52	IV	112417106048	RAGUPATHI B	35	85
53	IV	112417106050	RAKESH KUMAR.R	35	85
54	IV	112417106052	RAMYA.R	35	8-5
55	IV	112417106054	SANGAMITHIRA A	35	85
56	IV	112417106056	SANJAY.C	35	85
57	IV	112417106058	SANTHOSH KUMAR.S	35	90
58	IV	112417106059	SARANYA.N	35	90
59	IV	112417106060	SARASWATHI.S	35	90
60	IV	112417106063	SHARMILA D	35	90
61	IV	112417106064	SINDHYA.D	35	85
62	IV	112417106066	SIVENESH.E	35	100
63	IV	112417106067	SOWMIYA.Y	35	85
64	IV	112417106068	SREE HARITHA R	35	90
65	IV	112417106070	SUMATHI.M	35	95
66	IV	112417106072	SUSMITHA.R	35	95
67	IV	112417106073	M.SWATI	35	95
68	IV	112417106074	SWATHI.S	35	80
69	IV	112417106076	TAMILSELVI.R	35	85
70	IV	112417106084	YUVRAJ.E	35	90
71	IV	112417106304	K.SONIA	35	95
72	IV	112417106701	PEEPIKA:	PRINCIPA	80

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COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
(A Telugu Minority Institution)

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
73	II-ME-VLSI	112419419001	ANITHA S	36	85
74	II-ME-VLSI	112419419001	DIVYABHRATHI V	35	90
75	II-ME-VLSI	112419419003	KOWSALYA J	35	90
76	II-ME-VLSI	112419419004	MONISHA C	36	90
77	II-ME-VLSI	112419419005	NANDHINI K	35	85
78	II-ME-VLSI	112419419006	SUGANYA J	35	95
79	II-ME-VLSI	112419419007	VINNARASU G	35	95

COORDINATOR

(Mrs. S. Anusha)

HOD/ECE

(Mr.V. Rajeshkumar)



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