19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
EVENT REPORT

Name of the Course: "DATA ANALYSIS IN BIG DATA"

Name of the Instructor: Dr. J Senthil Kumar, Asso Prof, CSE, Lovely Professional University

Year and Branch: III, IV, ME – COMPUTER SCIENCE AND ENGINEERING

Duration of Course: 32 Hrs (**10.02.2020** to **15.02.2020**)

SUMMARY OF THE EVENT:

The Course was inaugurated on **10.02.2020** 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 **15.02.2020** by 3.30 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 Analysis in Big Data"**

ASSESMENT MODE:

No of Students Enrolled: 70

No of Students appeared: 70

Date of Exam: 15.02.2020

Scheme of Exam: Offline

No of Students Passed: 70

OUTCOME:

After finishing this course, the students were able to acquire the Knowledge about the cost reduction and operational Efficiency, able to do the better decision making, able to understand improved data driven go to Market, able to understand the mitigation risk and handle setbacks.

COORDINATOR

(Mrs. S. Divya)

HOD / CSE

(Mr. P. Rethinasabapathy)

PRINCIPAL
Sri Venkateswara College of
Engineering and Technology
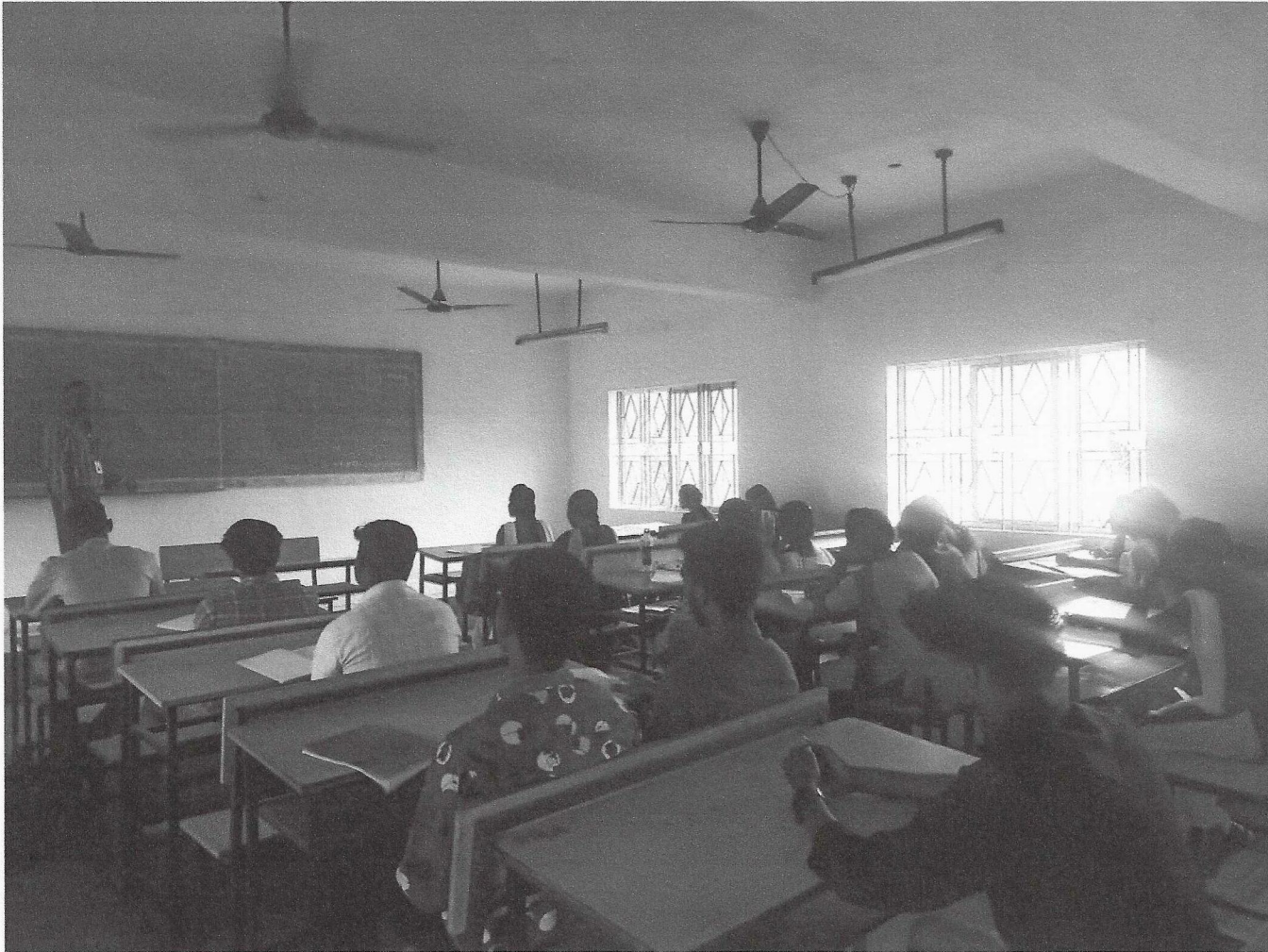Thirupachur, Thiruvallur - 631 203
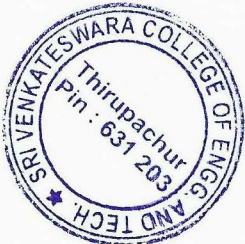
SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY
Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
(A Telugu Minority Institution)

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"

Value Added Course on "Data Analysis in Big Data" Handled by

Dr. J Senthil Kumar, Associate Prof, Lovely Professional University

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

REQUEST LETTER

From

P. Rethinasabapathy
HOD /CSE
SVCET
Thirupachur.

Permitted

To,

The Principal
SVCET
Thirupachur

Respected sir,

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

As the Head of **Computer Science and Engineering** Department, I would like to request your support and permission to conduct Training Program on **"Data Analysis in Big Data"** 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 10.02.2020 and end on 15.02.2020 (32 Hrs). Will be handled by **Dr. J. Senthil Kumar, Asso Prof, Lovely Profession University**. 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/CSE

(Mr. P. Rethinasabapathy)

PRINCIPAL

(Dr. J. Venkatesh)

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

SRI VENKATESWARA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT

Approved by AICTE New Delhi & Affiliated to Anna University, Chennai

(A Telugu Minority Institution)

04.02.2020

CIRCULAR

The department of Computer Science and Engineering will be conducting value added course on **"Data Analysis in Big Data"** from **10.02.2020** to **15.02.2020** (32 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. Divya, Assistant Professor, Department of Computer Science Engineering on or before **07.02.2020**.

HOD/CSE

(Mr. P. Rethinasabapathy)

PRINCIPAL

(Dr. J. Venkatesh)

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

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

THIRUPACHUR - 631203, THIRUVALLUR TK , & DT
APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

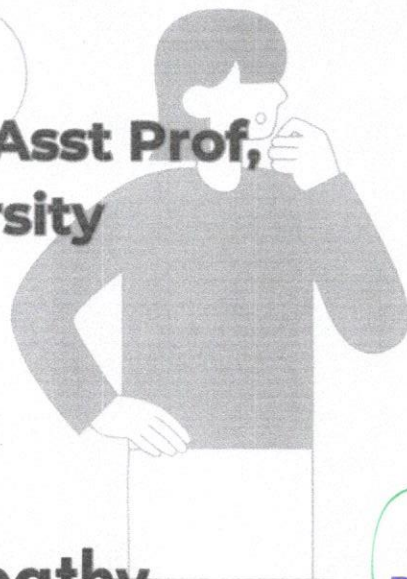## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
"DATA ANALYSIS IN BIG DATA "

Date : 10.02.2020 - 15.02.2020

RESOURCE PERSON
1. Dr. J. Senthil Kumar, Asst Prof,
Lovely Profesion University

Mr. P. Rethinasabapathy
HOD / CSE

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

Dr.J. Venkatesh
PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY
Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
(A Telugu Minority Institution)

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
RESOURCE PERSON PROFILE

Name	:	Dr. J Senthil Kumar
Designation	:	Associate Professor
Department	:	CSE
Organization	:	School of Computer Science and Engineering, Lovely Professional University
Phone Number	:	7973972825
Email.ID	:	senthil.266@lpu.co.in
Qualification	:	MTech, PhD
Experience	:	15Years

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

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
COURSE CONTENT

OBJECTIVES

- Helps organization harness their data and use it to identify new opportunities
- Smarter business moves.
- Create personalized marketing campaigns.
- Provide better customer service.

MODULE-1 INTRODUCTION TO DATA ANALYTICS

Predictive data analytics. Predictive analytics may be the most commonly used category of data analytics, predictive data analytics, diagnostic data analytics, and descriptive data analytics.

MODULE-2 OVERVIEW OF BIG DATA AND USING BIG DATA IN BUSINESS

Control data, process data, clean data, analyze data, dialogue with consumers, Re-develop products, perform risk analysis, data safety, create new revenue streams.

MODULE-3 TECHNOLOGIES FOE HANDLING BIG DATA AND UNDERSTANING HANDOOP ECOSYSTEM

Data storage, data mining, data analytics, data visualization, YARN, HDFS, MapReduce spark, spark MML Lib, solar, Lucene, zookeeper, Oozie

MODULE-4 FUNDAMENTALS OF MAPREDUCE AND HBASE AND DATABASES AND DATA WAREHOUSES

Traditional way for parallel and distributed processing, what is MapReduce? MapReduce e example, MapReduce advantages, MapReduce program, ehat is database? What is data warehouse, uses of database.

OUTCOMES

1. Cost reduction and operational efficiency
2. Faster, better decision making
3. Improved data-driven go to market
4. Mitigate risk and handle setbacks

COORDINATOR
(Mrs. S. Divya)

HOD / CSE
(Mr. P. Rethinasabapathy)

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

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
<u>COURSE SCHEDULE</u>

6 Days Training Schedule – "Data Analysis in Big Data"			
Day & Date	**Session & Time**	**Speaker Name**	**Session Topics**
Day 1 & 10.02.2020	8.30 am to 10.30am	Dr. J Senthil Kumar, Asso Prof, LPU	Predictive data analytics. Diagnostic data analytics
	10.45 am to 12.45 pm	Dr. J Senthil Kumar, Asso Prof, LPU	Predictive analytics may be the most commonly used category of data analytics
	1.30 pm to 3.30pm	Dr. J Senthil Kumar, Asso Prof, LPU	Prescriptive data analytics
Day 2 & 11.02.2020	8.30 am to 10.30am	Dr. J Senthil Kumar, Asso Prof, LPU	Descriptive data analytics
	10.45 am to 12.45 pm	Dr. J Senthil Kumar, Asso Prof, LPU	Control Data, Process Data
	1.30 pm to 3.30pm	Dr. J Senthil Kumar, Asso Prof, LPU	Clean Data, Analyze Data
Day 3 & 12.02.2020	8.30 am to 10.30am	Dr. J Senthil Kumar, Asso Prof, LPU	Dialogue with Consumers, Re-Develop products Perform risk analysis, Data safety
	10.45 am to 12.45 pm	Dr. J Senthil Kumar, Asso Prof, LPU	Create new revenue streams
Day 4 & 13.02.2020	8.30 am to 10.30am	Dr. J Senthil Kumar, Asso Prof, LPU	Data Analytics, Data Visualization
	10.45 am to 12.45 pm	Dr. J Senthil Kumar, Asso Prof, LPU	YARN, HDFS, MapReduce, Spark, Spark MML Lib
	1.30 pm to 2.30pm	Dr. J Senthil Kumar, Asso Prof, LPU	Solar, Lucene, Zookeeper, Oozie
Day 5 & 14.02.2020	8.30 am to 10.30am	Dr. J Senthil Kumar, Asso Prof, LPU	Traditional Way for parallel and distributed processing
	10.45 am to 12.45 pm	Dr. J Senthil Kumar, Asso Prof, LPU	What is MapReduce? MapReduce Example
	1.30 pm to 2.30pm	Dr. J Senthil Kumar, Asso Prof, LPU	MapReduce Advantages
Day 6 & 15.02.2020	8.30 am to 10.30am	Dr. J Senthil Kumar, Asso Prof, LPU	MapReduce Program
	10.45 am to 12.45 pm	Dr. J Senthil Kumar, Asso Prof, LPU	What is database? What is data warehouse
	1.30 pm to 3.30pm	Dr. J Senthil Kumar, Asso Prof, LPU	Uses of database & Test

COORDINATOR

(Mrs. S. Divya)

HOD / CSE

(Mr. P. Rethinasabapathy)

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

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT

Approved by AICTE New Delhi & Affiliated to Anna University, Chennai

(A Telugu Minority Institution)

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"

Course Code	19CSEVAC02
Name of the Course	DATA ANALYSIS IN BIG DATA
Duration of the Course	32 HOURS
Academic Year	2019-20
Period of the Course	10.02.2020-15.02.2020

LIST OF STUDENTS ENROLLED

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	SIGNATURE
1	III	112417104026	PAVITHRA E	
2	III	112417104027	PREETHA R	
3	III	112417104028	PREETHA R	
4	III	112417104029	PREETHI B	
5	III	112417104030	PREETHI B	
6	III	112417104031	PUNITHAN R	
7	III	112417104032	RAGURAMAN K	
8	III	112417104033	RAJESH KANNAN K	
9	III	112417104034	SANTHOSH S	
10	III	112417104035	SHANTHI S	
11	III	112417104036	SHILPA S	
12	III	112417104038	TEENA J	
13	III	112417104039	UPPULURI SAI JEEVAN	
14	III	112417104040	VENKATESAN N	
15	III	112417104041	VIJAYASREE M	
16	III	112417104042	VIMALA T	
17	III	112417104303	SANDALIYA M	

PRINCIPAL

Sri Venkateswara College of

Engineering and Technology,

Thirupachur, Thiruvallur - 631 203

SRI VENKATESWARA
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	SIGNATURE
18	IV	112416104001	ABITHA.S	
19	IV	112416104002	AISHWARYA.G	
20	IV	112416104003	ALAMELU.D	
21	IV	112416104004	ARUL VINAYAGAM	
22	IV	112416104005	BALAJI.V.S	
23	IV	112416104006	CHANDRU PRAKASH.J	
24	IV	112416104007	DRAVID.S	
25	IV	112416104008	GAJALAKSHMI.V	
26	IV	112416104009	GOKUL.P	
27	IV	112416104010	GUKANATHAN.S	
28	IV	112416104011	HARINGDON.R	
29	IV	112416104012	INDUMATHY.S	
30	IV	112416104013	ISHWARYA.A	
31	IV	112416104014	JAYASRI.J	
32	IV	112416104016	JESY.B	
33	IV	112416104017	KAVITHA.R	
34	IV	112416104018	KAVIYA.D	
35	IV	112416104019	KEERTHANA.S	
36	IV	112416104020	KIRTHIGA.R	
37	IV	112416104021	KRISHNAMOORTHY.K	
38	IV	112416104022	MAHALAKSHMI.M	
39	IV	112416104023	MOHANAVALLI.T	
40	IV	112416104024	NAGAJOTHI.K	
41	IV	112416104025	NIKHITHA.A.S	

SRI VENKATESWARA
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	SIGNATURE
42	IV	112416104026	NIVETHITHA.S	
43	IV	112416104027	PAVITHRA.V(1/6/99)	
44	IV	112416104028	PAVITHRA.V(8/6/99)	
45	IV	112416104029	POOVIZHI.D	
46	IV	112416104030	PREETHA.B	
47	IV	112416104031	PRITHIYA.M	
48	IV	112416104032	RAMYA.A	
49	IV	112416104034	RUPAN KUMAR S	
50	IV	112416104035	SABARISAN.P	
51	IV	112416104036	SANJAY.K	
52	IV	112416104037	SATHIYA.S	
53	IV	112416104039	SHALINI.G	
54	IV	112416104041	SUMAN RAJ.R	
55	IV	112416104042	SURALAKSHMI.V	
56	IV	112416104044	SWATHY ATCHAYAA.B	
57	IV	112416104045	SWETHA.M	
58	IV	112416104046	SWETHA.M	
59	IV	112416104048	THULASI RAMAN	
60	IV	112416104049	VASANTH.V	
61	IV	112416104050	VENNILA.M.G	
62	IV	112416104051	VIJAYAKUMAR.V	
63	IV	112416104052	VINOTH KUMAR.T.S	
64	IV	112416104053	YUVARAJ.N	
65	IV	112416104701	INAKOLLU HEMA SUDHA	

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

SRI VENKATESWARA
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	SIGNATURE
66	ME-CSE	112419405006	VINOTH KUMAR K	
67	ME-CSE	112418405003	GANESAN S	
68	ME-CSE	112418405006	RAJESH R	
69	ME-CSE	112418405007	SANGEETHA S	
70	ME-CSE	112418405008	VINODHINI A	

COORDINATOR

(Mrs. S. Divya)

HOD / CSE

(Mr. P. Rethinasabapathy)

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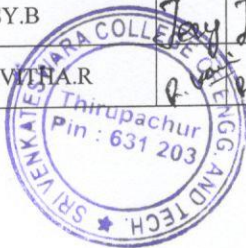Thirupachur, Thiruvallur - 631 203

SRI VENKATESWARA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT

Approved by AICTE New Delhi & Affiliated to Anna University, Chennai

(A Telugu Minority Institution)

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"

Course Code	19CSEVAC02
Name of the Course	DATA ANALYSIS IN BIG DATA
Duration of the Course	32 HOURS
Academic Year	2019-20
Period of the Course	10.02.2020-15.02.2020

ATTENDANCE SHEET

S.NO	YEAR	REGISTER NUMBER	NAME OF STUDENTS	15.07.19 6 HOURS		16.07.19 6 HOURS		17.09.19 6 HOURS		18.07.19 4 HOURS		19.07.19 4 HOURS		20.07.19 6 HOURS		TOTAL HOURS (32)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1	III	112417104026	PAVITHRA E													32
2	III	112417104027	PREETHA R													32
3	III	112417104028	PREETHA R													32
4	III	112417104029	PREETHI B													32
5	III	112417104030	PREETHI B													32
6	III	112417104031	PUNITHAN R													32
7	III	112417104032	RAGURAMAN K													32
8	III	112417104033	RAJESH KANNAN K													32
9	III	112417104034	SANTHOSH S													32
10	III	112417104035	SHANTHI S													32
11	III	112417104036	SHILPA S													32
12	III	112417104038	TEENA J													32
13	III	112417104039	UPPULURI SAI JEEVAN													32

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

SRI VENKATESWARA

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	15.07.19 6 HOURS		16.07.19 6 HOURS		17.09.19 6 HOURS		18.07.19 4 HOURS		19.07.19 4 HOURS		20.07.19 6 HOURS		TOTAL HOURS (32)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
14	III	112417104040	VENKATESAN N													32
15	III	112417104041	VIJAYASREE M													32
16	III	112417104042	VIMALA T													32
17	III	112417104303	SANDALIYA M													32
18	IV	112416104001	ABITHA.S													32
19	IV	112416104002	AISHWARYA.G													32
20	IV	112416104003	ALAMELU.D													32
21	IV	112416104004	ARUL VINAYAGAM													32
22	IV	112416104005	BALAJI.V.S													32
23	IV	112416104006	CHANDRU PRAKASH.J													32
24	IV	112416104007	DRAVID.S													32
25	IV	112416104008	GAJALAKSHMI.V													32
26	IV	112416104009	GOKUL.P													32
27	IV	112416104010	GUKANATHAN.S													32
28	IV	112416104011	HARINGDON.R													32
29	IV	112416104012	INDUMATHY.S													32
30	IV	112416104013	ISHWARYA.A													32
31	IV	112416104014	JAYASRI.J													32
32	IV	112416104016	JESY.B													32
33	IV	112416104017	KAVITHA.R													32

PRINCIPAL

Sri Venkateswara College of

Engineering and Technology,

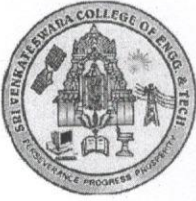Thirupachur, Thiruvallur - 631 203

SRI VENKATESWARA
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	15.07.19 6 HOURS		16.07.19 6 HOURS		17.09.19 6 HOURS		18.07.19 4 HOURS		19.07.19 4 HOURS		20.07.19 6 HOURS		TOTAL HOURS (32)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
34	IV	112416104018	KAVIYA.D													32
35	IV	112416104019	KEERTHANA.S													32
36	IV	112416104020	KIRTHIGA.R													32
37	IV	112416104021	KRISHNAMOORTHY.K													32
38	IV	112416104022	MAHALAKSHMI.M													32
39	IV	112416104023	MOHANAVALLI.T													32
40	IV	112416104024	NAGAJOTHI.K													32
41	IV	112416104025	NIKHITHA.A.S													32
42	IV	112416104026	NIVETHITHA.S													32
43	IV	112416104027	PAVITHRA.V													32
44	IV	112416104028	PAVITHRA.V													32
45	IV	112416104029	POOVIZHI.D													32
46	IV	112416104030	PREETHA.B													32
47	IV	112416104031	PRITHIYA.M													32
48	IV	112416104032	RAMYA.A													32
49	IV	112416104034	RUPAN KUMAR S													32
50	IV	112416104035	SABARISAN.P													32
51	IV	112416104036	SANJAY.K													32
52	IV	112416104037	SATHIYA.S													32
53	IV	112416104039	SHALINI.C													32

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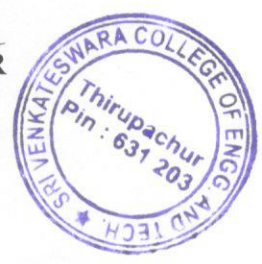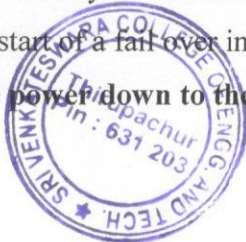Thirupachur, Thiruvallur - 631 203

SRI VENKATESWARA
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	15.07.19 6 HOURS		16.07.19 6 HOURS		17.09.19 6 HOURS		18.07.19 4 HOURS		19.07.19 4 HOURS		20.07.19 6 HOURS		TOTAL HOURS (32)
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
54	IV	112416104041	SUMAN RAJ.R													32
55	IV	112416104042	SURALAKSHMI.V													32
56	IV	112416104044	SWATHY ATCHAYAA.B													32
57	IV	112416104045	SWETHA.M													32
58	IV	112416104046	SWETHA.M													32
59	IV	112416104048	THULASI RAMAN													32
60	IV	112416104049	VASANTH.V													32
61	IV	112416104050	VENNILA.M.G													32
62	IV	112416104051	VIJAYAKUMAR.V													32
63	IV	112416104052	VINOTH KUMAR.T.S													32
64	IV	112416104053	YUVARAJ.N													32
65	IV	112416104701	INAKOLLU HEMA SUDHA													32
66	ME-CSE	112419405006	VINOTH KUMAR K													32
67	ME-CSE	112418405003	GANESAN S													32
68	ME-CSE	112418405006	RAJESH R													32
69	ME-CSE	112418405007	SANGEETHA S													32
70	ME-CSE	112418405008	VINODHINI A													32

COORDINATOR

(Mrs. S. Divya)

HOD / CSE

(Mr. P. Rethinasabapathy)

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

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
TEST QUESTIONS

1. Point out the wrong statement?

a) Hardtop's processing capabilities are huge and its real advantage lies in the ability to process terabytes & petabytes of data

b) Hadoop uses a programming model called "MapReduce", all the programs should confirm to this model in order to work on Hadoop platform

c) The programming model, MapReduce, used by Hadoop is difficult to write and test

d) All of the mentioned

2. Choose the correct statement?

a) Master assigns work to all the slaves

b) Client need to interact with master first, as it is the single place where all the meta data is available

c) We cannot edit data once written in Hadoop

d) All of these

3. …………..can best be described as a programming model used to develop Hadoop-based applications that can process massive amounts of data.

a) MapReduce

b) Mahout

c) Oozie

d) All of the mentioned

4. ……………jobs are optimized for scalability but not latency.

a) Map Reduce

b) Drill

c) Hive

d) Oozie

5. Under Hadoop High Availability, Fencing means.

a) Preventing a previously active name node from start running again

b) Preventing the start of a fail over in the event of network failure with the active name node

c) Preventing the power down to the previously active name node

d) Preventing a previously active name node from writing to the edit log

6. The fully distributed mode of installation(without virtualization) needs a minimum of

a) Physical machine

b) 2 Physical machines

c) 3 Physical machines

d) 4 Physical machines

7. What is a Daemon?

a) Process or service that runs in background

b) Applications submitted by user

c) Web application running on web server

d) None of these

8. What are the different phases in Big Data Analytics?

a) Partitioning

b) Shuffle

c) Sort

d) All of the above

9. What are the typical functions of Job Tracker?

a) Accepts jobs from clients

b) It talks to the Name Node to determine the location of the data

c) It locates Task Tracker nodes with available slots at or near the data

d) All of the above

10. Facebook Tackles Big Data With based on Hadoop.

a) Project Prism

b) Prism

c) Project Big

d) Project Data

11. According to analysts, for what can traditional IT systems provide a foundation when they're integrated with big data technologies like Hadoop?

a) Big data management and data mining

b) Data warehousing and business intelligence

c) Management of Hadoop clusters

d) Collecting and storing unstructured data

12. All of the following accurately describe Hadoop, EXCEPT:

a) Open source

b) Real-time

c) Java-based

d) Distributed computing approach

13. ………….. has the world's largest Hadoop cluster.

a) Apple

b) Datamatics

c) Facebook

d) None of the mentioned

14. What are the five V's of Big Data?

a) Volume

b) Velocity

c) Variety

d) All the above

15. ……………. hides the limitations of Java behind a powerful and concise Clojure API for Cascading.

a) Scalding

b) Cascalog

c) Hcatalog

d) Healding

16. What are the main components of Big Data?

a) MapReduce

b) HDFS

c) YARN

d) All of these

17. What are the different features of Big Data Analytics?

a) Open-Source

b) Scalability

c) Scalability

d) All the above

18. Define the Port Numbers for Name Node, Task Tracker and Job Tracker.

a) Name Node

b) Task Tracker

c) Job Tracker

d) All of the above

19. Facebook Tackles Big Data With…………. based on Hadoop

a) Project Prism

b) Prism

c) Project Data

d) Project Bid

20. What is a unit of data that flows through a Flume agent?

a) Record

b) Event

c) Row

d) Log

COORDINATOR

(Mrs. S. Divya)

HOD / CSE

(Mr. P. Rethinasabapathy)

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

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
<u>FEEDBACK FORM</u>

Student Reg. No. & Name: 11241710 4036 X Shilpa·S

Sem & Year: 6 & III   **Date:** 15·02·2020

Evaluating the following Question

1. This course was interesting

a) Strongly Agree ✓   b) 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?

a) Strongly Agree   b) Agree   c) Moderate   d) Disagree ✓ e) Strongly Disagree

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.

a) Strongly Agree ✓   b) Agree   c) Moderate   d) Disagree e) Strongly Disagree

8. Overall how do you rate the Training Program?

a) Strongly Agree ✓   b) Agree   c) Moderate   d) Disagree e) Strongly Disagree

Student Signature

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

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"
TEST QUESTIONS

Student Reg. No. & Name: 11241610404042 & Suralakshmi. V

Sem & Year: 8 X IV   Date: 15.02.2020

1. Point out the wrong statement?

a) Hardtop's processing capabilities are huge and its real advantage lies in the ability to process terabytes & petabytes of data

b) Hadoop uses a programming model called "MapReduce", all the programs should confirm to this model in order to work on Hadoop platform

c) The programming model, MapReduce, used by Hadoop is difficult to write and test

d) All of the mentioned

2. Choose the correct statement?

a) Master assigns work to all the slaves

b) Client need to interact with master first, as it is the single place where all the meta data is available

c) We cannot edit data once written in Hadoop

d) All of these

3. …………..can best be described as a programming model used to develop Hadoop-based applications that can process massive amounts of data.

a) MapReduce

b) Mahout

c) Oozie

d) All of the mentioned

4. ……………jobs are optimized for scalability but not latency.

a) Map Reduce

b) Drill

c) Hive

d) Oozie

19/20

d) Project Data

11. According to analysts, for what can traditional IT systems provide a foundation when they're integrated with big data technologies like Hadoop?

a) Big data management and data mining

b) Data warehousing and business intelligence

c) Management of Hadoop clusters

d) Collecting and storing unstructured data

12. All of the following accurately describe Hadoop, EXCEPT:

a) Open source

b) Real-time

c) Java-based

d) Distributed computing approach

13. ………….. has the world's largest Hadoop cluster.

a) Apple

b) Datamatics

c) Facebook

d) None of the mentioned

14. What are the five V' s of Big Data?

a) Volume

b) Velocity

c) Variety

d) All the above

15. …………… hides the limitations of Java behind a powerful and concise Clojure API for Cascading.

a) Scalding

b) Cascalog

c) Hcatalog

d) Healding

16. What are the main components of Big Data?

a) MapReduce

b) HDFS

c) YARN

d) All of these

17. What are the different features of Big Data Analytics?

a) Open-Source

b) Scalability

c) Scalability

d) All the above

18. Define the Port Numbers for Name Node, Task Tracker and Job Tracker.

a) Name Node

b) Task Tracker

c) Job Tracker

d) All of the above

19. Facebook Tackles Big Data With………….. based on Hadoop

a) Project Prism

b) Prism

c) Project Data

d) Project Bid

20. What is a unit of data that flows through a Flume agent?

a) Record

b) Event

c) Row

d) Log

19CSEVAC02 - "DATA ANALYSIS IN BIG DATA"

Course Code	19CSEVAC02
Name of the Course	DATA ANALYSIS IN BIG DATA
Duration of the Course	32 HOURS
Academic Year	2019-20
Period of the Course	10.02.2020-15.02.2020

STUDENT EVALUATION SHEET

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
1	III	112417104026	PAVITHRA E	32	80
2	III	112417104027	PREETHA R	32	85
3	III	112417104028	PREETHA R	32	80
4	III	112417104029	PREETHI B	32	85
5	III	112417104030	PREETHI B	32	85
6	III	112417104031	PUNITHAN R	32	80
7	III	112417104032	RAGURAMAN K	32	85
8	III	112417104033	RAJESH KANNAN K	32	80
9	III	112417104034	SANTHOSH S	32	80
10	III	112417104035	SHANTHI S	32	90
11	III	112417104036	SHILPA S	32	85
12	III	112417104038	TEENA J	32	80
13	III	112417104039	UPPULURI SAI JEEVAN	32	80
14	III	112417104040	VENKATESAN N	32	80
15	III	112417104041	VIJAYASREE M	32	80
16	III	112417104042	VIMALA T	32	80
17	III	112417104303	SANDALIYA M		85

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

S.NO	YEAR	REGISTER NUMBER	NAMEOF STUDENTS	ATTENDANCE	MARK
18	IV	112416104001	ABITHA.S	32	80
19	IV	112416104002	AISHWARYA.G	32	90
20	IV	112416104003	ALAMELU.D	32	80
21	IV	112416104004	ARUL VINAYAGAM	32	85
22	IV	112416104005	BALAJI.V.S	32	85
23	IV	112416104006	CHANDRU PRAKASH.J	32	85
24	IV	112416104007	DRAVID.S	32	85
25	IV	112416104008	GAJALAKSHMI.V	32	85
26	IV	112416104009	GOKUL.P	32	80
27	IV	112416104010	GUKANATHAN.S	32	80
28	IV	112416104011	HARINGDON.R	32	85
29	IV	112416104012	INDUMATHY.S	32	80
30	IV	112416104013	ISHWARYA.A	32	85
31	IV	112416104014	JAYASRI.J	32	80
32	IV	112416104016	JESY.B	32	90
33	IV	112416104017	KAVITHA.R	32	95
34	IV	112416104018	KAVIYA.D	32	80
35	IV	112416104019	KEERTHANA.S	32	85
36	IV	112416104020	KIRTHIGA.R	32	95
37	IV	112416104021	KRISHNAMOORTHY.K	32	95
38	IV	112416104022	MAHALAKSHMI.M	32	80
39	IV	112416104023	MOHANAVALLI.T	32	85
40	IV	112416104024	NAGAJOTHI.K	32	85
41	IV	112416104025	NIKHITHA.A.S	32	85

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

SRI VENKATESWARA
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
42	IV	112416104026	NIVETHITHA.S	32	80
43	IV	112416104027	PAVITHRA.V	32	85
44	IV	112416104028	PAVITHRA.V	32	85
45	IV	112416104029	POOVIZHI.D	32	85
46	IV	112416104030	PREETHA.B	32	85
47	IV	112416104031	PRITHIYA.M	32	80
48	IV	112416104032	RAMYA.A	32	80
49	IV	112416104034	RUPAN KUMAR S	32	80
50	IV	112416104035	SABARISAN.P	32	80
51	IV	112416104036	SANJAY.K	32	85
52	IV	112416104037	SATHIYA.S	32	80
53	IV	112416104039	SHALINI.G	32	85
54	IV	112416104041	SUMAN RAJ.R	32	80
55	IV	112416104042	SURALAKSHMI.V	32	95
56	IV	112416104044	SWATHY ATCHAYAA.B	32	80
57	IV	112416104045	SWETHA.M	32	90
58	IV	112416104046	SWETHA.M	32	90
59	IV	112416104048	THULASI RAMAN	32	80
60	IV	112416104049	VASANTH.V	32	80
61	IV	112416104050	VENNILA.M.G	32	85
62	IV	112416104051	VIJAYAKUMAR.V	32	85
63	IV	112416104052	VINOTH KUMAR.T.S	32	80
64	IV	112416104053	YUVARAJ.N	32	80
65	IV	112416104701	INAKOLLU HEMA SUDHA		80

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

SRI VENKATESWARA
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
66	ME-CSE	112419405006	VINOTH KUMAR K	32	90
67	ME-CSE	112418405003	GANESAN S	32	95
68	ME-CSE	112418405006	RAJESH R	32	90
69	ME-CSE	112418405007	SANGEETHA S	32	80
70	ME-CSE	112418405008	VINODHINI A	32	85

COORDINATOR

(Mrs. S. Divya)

HOD / CSE

(Mr. P. Rethinasabapathy)

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

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms SURALAKSHMI. V (112416104042) UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

CO-ORDINATOR

HOD / CSE

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

PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

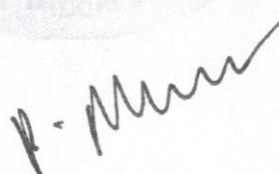This is to certify that Mr/Ms   MOHANAVALLI.T.(112416104028) .... UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

CO-ORDINATOR

HOD / CSE

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

PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms .....VIMALA .T (12A 1710 4042)......... UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

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

CO-ORDINATOR

Thirupachur
Pin : 631 203

HOD / CSE

PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

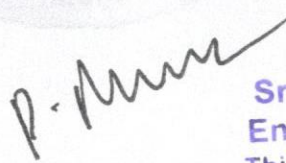This is to certify that Mr/Ms ....PREETHA. R (112417104027).......... UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

Thirupachur
Pin : 631 203
SRI VENKATESWARA COLLEGE OF ENGG AND TECH.

CO-ORDINATOR

HOD / CSE

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

PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT
APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms **SANGEETHA S(112418405007)** UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

CO-ORDINATOR

HOD / CSE

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

PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

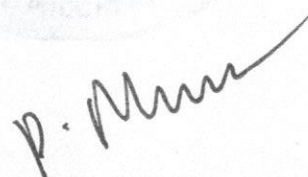This is to certify that Mr/Ms RAJESH. R (112418405006.) .... UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

CO-ORDINATOR

HOD / CSE

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

PRINCIPAL

SRI VENKATESWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur - 631203, Thiruvallur TK , & DT

APPROVED by AICTE, New Delhi and Affiliated to Anna University , Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms .......VASANTH.V.(112416105049.)......... UG/PG

Department of Computer Science and Engineering has successfully completed

Value Added Course titled 'DATA ANALYSIS IN BIG DATA'

held from 10.02.2020 to 15.02.2020

CO-ORDINATOR

HOD / CSE

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

PRINCIPAL