1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years (10)						
1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above (10)						
Year (2019-20)						
Name of the value added courses (with 30 or more contact hours)offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Oracle database Programming with SQL		B-Tech II year I sem	1	36	51	51
Big Data		B-Tech III year I sem	1	30	42	42
				Average percentage of students enrolled in the courses		100

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MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)

(Affiliated to Jawaharlal Nehru Technological University, Hyderabad)

Maisammaguda, Dhulapally, (Post via Kompally), Secunderabad-500 100.

DEPARTMENT OF INFORMATION TECHNOLOGY

REQUISITION LETTER

Date: 10.06.2019

To

The Principal,
Malla Reddy Engineering College (Autonomous),
Maisammaguda, Dhulapally,
Secunderabad – 500100.

Sub-Seeking Permission to conduct workshop on "BIG DATA"- Reg.

Respected Sir,

In connection with the training programs being organized to get knowledge on **BIG DATA**. On behalf of IT department, I requested you to grant permission to organizing the Five days **workshop** on **"BIG DATA"** from 15.07.2019 to 20.07.2019.

So kindly I request you to grant permission to conduct the Seminar in the above said date.

Thank you Sir,

Yours sincerely,

HoD -IT

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Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad, Telangana State – 500100

www.mrec.ac.in

Department of Information Technology

CIRCULAR

Date: 13/03/2019

All the students are hereby informed that Value Added Course on **"Big Data"** on date **15th to 20th July, 2019**, is being organized by the IT department. The resource person for the course is **"Schema Technologies"**.

Students are advised to register their names to the programme coordinator **"Mr. G. Sathish"**, on or before **15th July, 2019** and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.

Head of the Department

**Head
Dept. of Information Technology
Malla Reddy Engg. College (A)
Maisammaguda-500 100.**

Copy to:
1) Circulation in Students classroom
2) All HOD's
3) Notice Boards
4) PA to principal for filing.

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister,Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene,lushgreenenvironmentin Maisammaguda, Gundlapochampally,Medchal(M),Medchal-Malkajgiri District Telangana– 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG- **Cyber Security, Artificial Intelligence and Machine Learning, Data Science and IOT** along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. A. Ramaswami Reddy, Director, MREC (A)** and **Dr. A. Raveendra, Principal, MREC (A)** who have a rich teaching and industrial experience.

Advisory Committee:

Chief Patrons: Sri. Ch. Malla Reddy, Minister-Telangana State-India.
Founder Chairman
Malla Reddy Group of Institutions

Patrons: **Sri.Ch. Mahender Reddy**
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: **Dr.A.RamaSwami Reddy**
Director, MREC (A)
Dr. A. Raveendra
Principal, MREC (A)

Convener: **Dr. S.Kannan**
HOD IT

Coordinator: **Mr.G.Sathish**
Assistant Professor, IT

Organizing Committee:

Mr.A.Venkatrami Reddy, Assistant Professor, IT

Mr.K.Saidi Reddy, Assistant Professor, IT

Mr.G.Sai Krishna, Assistant Professor, IT

Ms.R.Ramya, Assistant Professor, IT

Mr.A.Sailesh, Assistant Professor, IT

Ms.P.Swapna, Assistant Professor, IT

A One-Week workshop (Value added Course)
On
"BIG DATA"
(15-20, July 2019)
In Association with
Schema Technologies Pvt.Ltd.

Organized by
Department of
Information Technology
MALLA REDDY ENGINEERING COLLEGE
(AUTONOMOUS) MAIN CAMPUS
An UGC Autonomous Institution, Approved by AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A' Grade (II Cycle)
Maisammaguda(H), Gundlapochampally (V), Medchal (M), Medchal - Malkajgiri District Telangana - 500100, India.

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Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100.

Registration Form

Name of the Participant :------------------------

Branch& Year :-------------------------------

Name of Institution:-------------------------

Address for Communication:------------------

Mobile Number:-------------------------------

E-Mail ID:-------------------------------------

DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

About the Department:

The Department of Information Technology was established in 2007 with intake of 60 Students and with specific Vision, Mission and Goals. From the day college was affiliated to Jawaharlal Nehru Technological University, Hyderabad (JNTUH) and recognized by AICTE, New Delhi the Department works under the Rules and Regulations JNTUH and AICTE. The course curriculum proposed by the JNTUH will be implemented strictly. However, if required the Department proposes modifications or inclusions of new courses in the curriculum to the JNTUH for consideration

Overview of the Programme

The amount of data produced by mankind is growing rapidly every year. The amount of data produced by us from the beginning of time till 2003 was 5 billion gigabytes. If you pile up the data in the form of disks it may fill an entire football field. The same amount was created in every two days in 2011, and in every ten minutes in 2013. This rate is still growing enormously. Though all this information produced is meaningful and can be useful when processed, it is being neglected.

Objectives of the Programme

- To study the basic technologies that forms the foundations of Big Data.
- To study the programming aspects of cloud computing with a view to rapid prototyping of complex applications.
- To understand the specialized aspects of big data including big data application and big data analytics.

- To study different types Case studies on the current research and applications of the Hadoop and big data in industry.

Topics to be covered

- ❖ Introduction to Big data and Hadoop
- ❖ Basics of Hive and Impala & Working with Hive and Impala.
- ❖ Implementation of Spark Applications Client/Server Architecture.
- ❖ Spark RDD Optimization techniques
- ❖ Common patterns in Apache Spark Data Processing.
- ❖ Apache Spark Streaming: Processing many batches & Analyzing Data with DataFrame Queries.
- ❖ Writing, Configuring and Running Apache Spark Applications & Apache Spark Streaming: Data Sources.

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program

Student must be able to understand the specialized aspects of big data with the help of different big data applications,Student must be know the recent research trends related to Hadoop File System, MapReduce and Google File System etc.Student must be able to represent the analytical aspects of Big Data.

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Malla Reddy Engineering Colleg
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Maisammaguda, Dhulapally,

Malla Reddy Engineering College
Department of Information Technology
Big Data Participants (13.07.2019-20.07.2019)

S.No	Roll No	Name
1	17J41A1201	Akiti Rohith Reddy
2	17J41A1202	Anmishetty Naga Priya
3	17J41A1204	B Sruthi
4	17J41A1205	V Abhishek
5	17J41A1206	Dhevarshini Reddy
6	17J41A1207	Battu Naveen Raju
7	17J41A1210	Cheekoti Vinayraj
8	17J41A1211	Chinnagaraju Naveen Kumar
9	17J41A1212	Chirra Akhila
10	17J41A1215	Gajula Akhila
11	17J41A1219	Indraganti Shanmukha Priya
12	17J41A1220	K Mohana Deepthi
13	17J41A1221	Karukola Narsing Rao
14	17J41A1222	Kasanagottu Sai Shankar
15	17J41A1224	Kucharikanti Manikanta Reddy
16	17J41A1225	Kuninti Keerthi Reddy
17	17J41A1226	Kushal Arya N
18	17J41A1227	M Rohit
19	17J41A1228	M V Akshay Raj
20	17J41A1229	Medishetti Sathwik
21	17J41A1230	Mittapally Aditya Vardhan
22	17J41A1231	Mohammed Rehan Abbas
23	17J41A1232	Mundra Niharika
24	17J41A1235	Navakoti Rugved
25	17J41A1236	Nenavath Rakesh Nayak
26	17J41A1237	Nune Sai Kiran
27	17J41A1238	Peddinti Yamini
28	17J41A1239	Perolla Rajashekar Reddy
29	17J41A1240	Pochugari Pavan Kalyan Reddy
30	17J41A1242	Podduturi Sameer Reddy
31	17J41A1243	Pooja Hotker
32	17J41A1245	Potru Prathyusha
33	17J41A1246	Preet Pal Singh Sandhu
34	17J41A1247	Raavi Lokesh
35	17J41A1248	Rekula Vinuthna Reddy
36	17J41A1249	Rodda Sree Charan Reddy
37	17J41A1251	Palepu Sarayu
38	17J41A1252	Shalkhi David
39	17J41A1253	Shivam Zanwar
40	17J41A1255	Sushanth Singh Thakur
41	17J41A1256	Tallapally Dheeraj
42	17J41A1257	Thallada Tejaswi
43	17J41A1258	Yalala Nikhitha
44	17J41A1259	Yandamuri Saimounika
45	17J41A1260	Zareena Naaz

HoD-IT

Head
Dept. of Information Technology
Malla Reddy Engg. College (A)
Maisammaguda-500 100.

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SCHEMA TECHNOLOGIES
Software Training, Development & Placement

CERTIFICATE OF COMPLETION

This is to certify that Mr. /Ms. *Zareena Naaz* bearing Roll No. *17J41A1260* has successfully completed Certificate / Value Added Course / Workshop on *"Big Data"* conducted by the Department of Information Technology, from 15 July 2019 to 20 July 2019, with the collaboration of *"Schema Technologies"*.

COORDINATOR

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DEPARTMENT OF INFORMATION TECHNOLOGY

Value Added Course

on

"BIG DATA"

15-20, July 2019

Course Content

Date	Topic
15.07.2019 To 20.07.2019	Introduction to Big data and Hadoop Ecosystem
	HDFS and YARN
	MapReduce and Sqoop
	Basics of Hive and Impala & Working with Hive and Impala
	Types of Data Formats
	Advanced Hive concept and data file partitioning
	Apache flume and HBase
	Pig
	Basics of Apache Spark
	RDDS in Spark
	Implementation of Spark Applications
	Spark Parallel Processing
	Spark RDD Optimization techniques
	Spark Algorithm
	Spark SQL
	Distributed processing
	Distributed Data persistence
	Common patterns in Apache Spark Data Processing
	Apache Spark Streaming introduction to DStreams
	Working with Data Frames and Schemes
	Working with Datasets in Scala
	Apache Spark Streaming: Processing many batches & Analyzing Data with DataFrame Queries
	Writing, Configuring and Running Apache Spark Applications & Apache Spark Streaming: Data Sources

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This is to certify that Mr. /Ms. Yandamuri Saimounika bearing Roll No.17J41A1259 has successfully completed Certificate / Value Added Course / Workshop on "Big Data" conducted by the Department of Information Technology, from 15 July 2019 to 20 July 2019, with the collaboration of "Schema Technologies".

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CERTIFICATE OF COMPLETION

This is to certify that Mr. /Ms. *Yalala Nikhitha* bearing Roll No. *17J41A1258* has successfully completed Certificate / Value Added Course / Workshop on "*Big Data*" conducted by the Department of *Information Technology*, from *15 July 2019* to *20 July 2019*, with the collaboration of "*Schema Technologies*".

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Software Training, Development & Placements

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This is to certify that Mr. /Ms. Thallada Tejaswi bearing Roll No.17J41A1257

has successfully completed Certificate / Value Added Course / Workshop on "Big Data" conducted

by the Department of Information Technology, from 15 July 2019 to 20 July 2019 , with the

collaboration of "Schema Technologies".

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CERTIFICATE OF COMPLETION

This is to certify that Mr. /Ms. *Tallapally Dheeraj* bearing Roll No.17J41A1256 has successfully completed Certificate / Value Added Course / Workshop on "Big Data" conducted by the Department of Information Technology, from 15 July 2019 to 20 July 2019, with the collaboration of "Schema Technologies".

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SCHEMA TECHNOLOGIES
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This is to certify that Mr. /Ms. *Sushanth Singh Thakur* bearing Roll No.17J41A1255 has successfully completed Certificate / Value Added Course / Workshop on "Big Data" conducted by the Department of Information Technology, from 15 July 2019 to 20 July 2019, with the collaboration of "Schema Technologies".

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This is to certify that Mr. /Ms. *Shivam Zanwar* bearing Roll No.17J41A1253 has successfully completed Certificate / Value Added Course / Workshop on "Big Data" conducted by the Department of Information Technology, from 15 July 2019 to 20 July 2019, with the collaboration of "Schema Technologies".

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CERTIFICATE OF COMPLETION

This is to certify that Mr. /Ms. *Shalkhi David* bearing Roll No. *17J41A1252* has successfully completed Certificate / Value Added Course / Workshop on "*Big Data*" conducted by the Department of *Information Technology*, from *15 July 2019* to *20 July 2019*, with the collaboration of "*Schema Technologies*".

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SCHEMA TECHNOLOGIES
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This is to certify that Mr. /Ms. *Palepu Sarayu* bearing Roll No. *17J41A1251* has successfully completed Certificate / Value Added Course / Workshop on *"Big Data"* conducted by the Department of Information Technology, from *15 July 2019* to *20 July 2019*, with the collaboration of *"Schema Technologies"*.

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