

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

1.3.2.1 How many new value-added courses are added within the last five years

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
Multimedia Programming	VACIT004	2016	1	38 Hours	38	35
Data Mining	VACIT005	2016	1	32 Hours	36	33
Software Testing	VACIT006	2017	1	32 Hours	36	30



*Ravi*  
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Maisammaguda, Dhulapally,  
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(An UGC Autonomous Institution, Affiliated to JNTUH, Hyderabad Accredited 2<sup>nd</sup> time by NAAC  
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP-II S.C. 1.1)  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100  
www.mrec.ac.in

## Department of Information Technology

### CIRCULAR

Date: 05-10-2016

All the students are hereby informed that Value Added Course on “**Data Mining**” on date 05-10-2016 to 07-11-2016, is being organized by the Information Technology department. The resource person for the course is “IBM PVT”.

Students are advised to register their names to the programme coordinator “Mr. M.Thukkaram Reddy”, on or before 04-10-2016 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

Copy to:

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



  
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## 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. The college is situated in a serene, lush green environment in Maisammaguda, Secunderabad 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- IT 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. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.



### Advisory Committee:

- Chief Patrons:** **Sri. Ch. Malla Reddy,**  
Founder Chairman, MRGI
- Patrons:** **Sri.Ch. Mahender Reddy**  
Secretary, MRGI  
**Dr.Ch.Bhadra Reddy**  
President, MRGI
- Co-Patrons:** **Dr. S. Sudhakara Reddy**  
Principal, MREC (A)
- Convener:** **Mr. V.Sathish Kumar**  
HOD IT
- Coordinator:** **Mr.M. Thukkaram Reddy**  
Assistant Professor, IT

### Organizing Committee:

- Mr.A.Venkatrami Reddy,** Assistant Professor, IT  
**Mr.K.Saidi Reddy,** Assistant Professor, IT  
**Mr.G. Sathish,** Assistant Professor, IT  
**Mr. Chandrasekhar,** Assistant Professor, IT  
**Ms.S.V.V Sitamahalakshmi,** Assistant Professor, IT



*A 32-Hours Value added Course  
On  
"Data Mining"  
05-10-2016 to 07-11-2016  
In Association with  
IBM Pvt.Ltd.*



**Organized by**  
**Department of Information Technology**  
**MALLA REDDY ENGINEERING COLLEGE**  
**MAIN CAMPUS**  
UGC Autonomous Institution, Approved by  
AICTE & Affiliated to JNTUH-Hyderabad  
Accredited by NAAC with 'A' Grade  
Maisammaguda, Telangana - 500100, India.

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**(Post Via Kompally), Sec'bad-500 100**

## Registration Form

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

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

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

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

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

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

Declaration:

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

Signature:

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

Data-oriented techniques for extracting patterns from data. Association rules discovery and usage, ratio rules mining. Dimensionality reduction techniques, data clustering and classification. Link analysis, mining social network graphs. Similarity computations, nearest neighbors, collaborative filtering and recommendation algorithms. Mining data streams.

### Objectives of the Programme

The aim of data mining is to discover structure inside unstructured data, extract meaning from noisy data, discover patterns in apparently random data, and use all this information to better understand trends, patterns, correlations, and ultimately predict customer behavior.

### Topics to be covered

- Introduction to Data Mining
- What is data mining
- Related technologies - Machine Learning, DBMS, OLAP, Statistics
- Data Mining Goals
- Stages of the Data Mining Process

- Data Mining Techniques
- Knowledge Representation Methods
- Applications
- Data mining algorithms: Classification Basic learning/mining tasks
- Inferring rudimentary rules: 1R algorithm
- Decision trees
- Covering rules
- Experiments with Weka - decision trees, rules
- Clustering
- Basic issues in clustering
- First conceptual clustering system: Cluster/2
- Partitioning methods: k-means, expectation maximization (EM)
- Hierarchical methods: distance-based agglomerative and divisible clustering

### Certificate

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

### Outcome of the Program

By completing the course the students will be able: To fully understand standard data mining methods and techniques such as

- Association rules, data clustering and classification. Learn new, advanced techniques for emerging applications (e.g. social network
- Analysis, stream data mining). Gain practical intuition about how to apply these techniques on datasets of realistic
- Sizes using modern data analysis frameworks

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**Department of Information Technology**

Value Added Course

on

**"Data Mining"**

05-10-2016 to 07-11-2016

**Course Contents**

Date	Topic
05-10-2016 to 07-11-2016	Applications
	Data mining algorithms: Classification
	Basic learning/mining tasks
	Inferring rudimentary rules: IR algorithm
	Decision trees
	Covering rules
	Experiments with Weka - decision trees, rules
	Clustering
	Basic issues in clustering
	First conceptual clustering system: Cluster/2
	Partitioning methods: k-means, expectation maximization (EM)
	Hierarchical methods: distance-based agglomerative and divisible clustering
	Applications
	Data mining algorithms: Classification
Basic learning/mining tasks	



*Ravinder*  
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**(Post Via Kompally), Sec'bad-500 100**

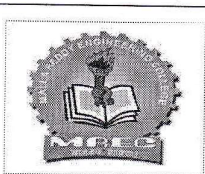
*V. S. H. K.*  
**HOD-IT**

Date	Time	Topic	Resource Person
05-10-2016 to 07-11- 2016	4:15 –5:15 PM	Clustering	IBM
	4:15 –5:15 PM	Basic issues in clustering	IBM
	4:15 –5:15 PM	First conceptual clustering system: Cluster/2	IBM
	4:15 –5:15 PM	Partitioning methods: k-means, expectation maximization (EM)	IBM
	4:15 –5:15 PM	Hierarchical methods: distance-based agglomerative and divisible clustering	IBM
	4:15 –5:15 PM	Clustering	IBM
	4:15 –5:15 PM	Basic issues in clustering	IBM

V. Subrahmanyam  
HoD-IT



*Ramiah*  
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## Malla Reddy Engineering College

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### Department of Information Technology

#### Data Mining Participates (05-10-2016 to 07-11-2016)

Sl.No	Roll No	Name
1	13J41A1201	ADEPU SRI RAM CHARAN DAS
2	13J41A1202	ALETI AKHILESH
3	13J41A1203	ANKIT SETHI
4	13J41A1204	B PRIYANKA
5	13J41A1205	B.K. SACHIN KUMAR
6	13J41A1206	BANDI MOUNIKA DEVI
7	13J41A1207	BATCHU POOJITHA
8	13J41A1208	BURHANUDDIN Y BARFI
9	13J41A1209	CHIKOTI RAJASRI
10	13J41A1210	CHILAGANI SINDHUJA
11	13J41A1211	CHINTHA PAVANI
12	13J41A1212	CHOWDERPALLY SAI TEJA
13	13J41A1213	GADDAM AKARSH REDDY
14	13J41A1214	GANDHAM SAINIKHIL YADAV
15	13J41A1215	GUDE SAI VIKAS
16	13J41A1216	GUNREDDY CHARAN TEJA REDDY
17	13J41A1217	KAILA DURGA PRASAD
18	13J41A1218	KANASANI PRIYANKA
19	13J41A1219	KESIRAJU CHINMAI SAI SRIVASTHVA
20	13J41A1220	KOLLOJU SHAMSUNDER
21	13J41A1221	KONTHAM LAVANYA REDDY
22	13J41A1222	KOPPULA CHATURVEDI GOUD
23	13J41A1223	M RAKESH
24	13J41A1224	MADHURI SAI PRAKASH

25	13J41A1225	MULAGALA SRI ADI LAKSHMI
26	13J41A1226	MUNDRU MAHEETH
27	13J41A1227	N. ARVIND KUMAR
28	13J41A1228	NAGULAPALLY VINITHA
29	13J41A1229	NALLA MANOJ REDDY
30	13J41A1230	NANNURI HARSHA
31	13J41A1231	P.VISHAL
32	13J41A1232	PADMA PREM
33	13J41A1233	PA KRISHNA CHAITANYA
34	13J41A1234	PATNAMSHETTI SATISH
35	13J41A1235	PRANAY RAMAN
36	13J41A1236	PURELLA MOUNIKA

*V. Sathish Kumar*

**HoD-IT**

**Head**

**Dept. of Information Technology  
Malla Reddy Engg. College (A)  
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## Certificate Of Completion



This is to certify that Mr. /Ms. B PRIYANKA bearing Roll.No 13J41A1204 has successfully completed Certificate / Value Added Course / Workshop on "DATA MINING" conducted by the Department of Information Technology, from 05-10-2016 to 07-11-2016, with the collaboration with "IBM Private Limited".

*Thuragan*  
COORDINATOR

*Ushashay*  
HOD

*Renu*  
PRINCIPAL



*Renu*  
PRINCIPAL  
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## Certificate Of Completion



This is to certify that Mr. /Ms. ANKIT SETHI bearing Roll.No 13J41A1203 has successfully completed Certificate / Value Added Course / Workshop on "DATA MINING" conducted by the Department of Information Technology, from 05-10-2016 to 07-11-2016, with the collaboration with "IBM Private Limited".

*Thiruparam*  
COORDINATOR

*V. Subrahmanyam*  
HOD

*Ramesh*  
PRINCIPAL



*Ramesh*  
PRINCIPAL  
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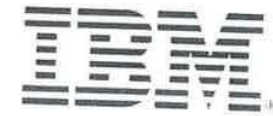


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## Certificate Of Completion



This is to certify that Mr. /Ms. *ALATI AKHILESH* bearing Roll.No 13J41A1202 has successfully completed Certificate / Value Added Course / Workshop on "DATA MINING" conducted by the Department of Information Technology, from 05-10-2016 to 07-11-2016, with the collaboration with "IBM Private Limited".

*Thiruvaram*  
COORDINATOR

*V.S. Lakshmi*  
HOD

*[Signature]*  
PRINCIPAL



*Ravi*  
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## Certificate Of Completion



This is to certify that Mr. /Ms. ADEPU SRI RAM CHARAN DAS bearing Roll.No 13J41A1201 has successfully completed Certificate / Value Added Course / Workshop on "DATA MINING" conducted by the Department of Information Technology, from 05-10-2016 to 07-11-2016, with the collaboration with "IBM Private Limited".

*Thupkaram*  
COORDINATOR



*V. Subrahmanyam*  
HOD

*Ramesh*  
PRINCIPAL  
Malla Reddy Engineering College  
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*[Signature]*  
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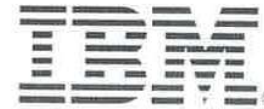


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This is to certify that Mr. /Ms. «Name» bearing Roll.No «Roll\_No» has successfully completed Certificate / Value Added Course / Workshop on “DATA MINING” conducted by the Department of Information Technology, from 05-10-2016 to 07-11-2016, with the collaboration with “IBM Private Limited”.

*Thupkavem*  
COORDINATOR

*V. S. Lakshmi*  
HOD

*Ravinder*  
PRINCIPAL



*Ravinder*  
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