



**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(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-Malkajiri District, Secunderabad,  
Telangana State – 500100  
www.mrec.ac.in

## Department of Computer Science and Engineering

### CIRCULAR

Date: 01-08-2017

All the students are hereby informed that Value Added Course on “**MACHINE LEARNING**” on dated **08<sup>TH</sup> AUG to 12<sup>th</sup> AUG 2017**, is being organized by the **Computer Science and Engineering** department. The resource person for the course is “**Dr KVG Rao**”.

Students are advised to register their names to the programme coordinator “**Mr. P V Ramana Murthy, Associate Professor, CSE**”, on or before 05-18-2017 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.



*Ramana*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

## 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, lush green environment in 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 courses provides PG courses and MBA 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.

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## 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.S. Sudhakara Reddy**  
Principal, MREC (A)

**Convener:** **Dr. O. Obulesu**  
HOD CSE

**Coordinator:** **Mr. P.V. Ramana Murthy**  
Associate Professor, CSE

**Resource Person:** **Dr KVG Rao, GNITS**

## Organizing Committee:

**Dr. G.Charles Babu** ,Professor, CSE  
**Dr. S. Dhanalakshmi**, Professor, CSE  
**Mr. Sanjeeva Polepaka**, Associate Professor, CSE  
**Mr. K Arun Kumar**, Assistant Professor, CSE  
**Ms. S. Sandhya Rani**, Assistant Professor, CSE  
**Mr.Md. Inayathulla**, Assistant Professor, CSE  
**Mr.A.Lakshman**, Assistant Professor, CSE  
**Mr.Yarava Rokesh Kumar**, Assistant Professor, CSE  
**Mrs.G. Vamshi Krishna**, Assistant Professor, CSE



*A One-Week Skill development Course  
(Value added Course)*

*On*

**"Machine Learning"**  
(8<sup>th</sup> Aug to 12<sup>th</sup> Aug, 2017)



*Organized by*  
**Department of**

**Computer Science and Engineering**  
**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.

## 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

  
**PRINCIPAL**  
Malla Reddy Engineering College  
(Autonomous)  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500 100

## About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc.

The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

### Overview of the Programme

Machine learning is an application of AI that is based on the idea that when machines are provided new data, they can learn, grow, and develop on their own without explicit human intervention/programming.

The primary goal of the *workshop* was to bring together providers of *machine learning* toolkits and framework providers with Web platform practitioners to enrich the Open Web Platform with better foundations for *machine learning*.

### Objectives of the Programme

This course creates exposure in identifying the various components in Machine Learning.

To make the students understand algorithms of Machine learning.

To provide the knowledge in supervised and unsupervised methods.

To provide the knowledge and assist the participants in developing new concepts of Machine Learning.

### Topics to be covered

- Introduction of Machine learning
- Supervised methods.
- Unsupervised methods.
- Reinforcement learning
- Sample programs using R Tool
- Hands-on experience using R Tool

### Certificate

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

### Outcome of the program,

On completion of this course, participants will be able to have a good understanding of the fundamental issues and challenges of machine learning: data, model selection, model complexity, etc.

Appreciate the underlying mathematical relationships within and across Machine Learning algorithms and the paradigms of supervised and un-supervised learning.





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500100

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## MACHINE LEARNING SYLLABUS

- 1. Introduction to ML** - Definition of learning systems, Goals and applications of machine learning. Aspects of developing a learning system: training data, concept representation, function approximation.
- 2. Inductive Classification** - The concept learning task, Concept learning as search through a hypothesis space, General-to-specific ordering of hypotheses, Finding maximally specific hypotheses, Version spaces and the candidate elimination algorithm. Learning conjunctive concepts, The importance of inductive bias.
- 3. Decision Tree Learning** - Representing concepts as decision trees, Recursive induction of decision trees, Picking the best splitting attribute: entropy and information gain, Searching for simple trees and computational complexity, Occam's razor. Overfitting, noisy data, and pruning.
- 4. Ensemble Learning** - Using committees of multiple hypotheses, Bagging, boosting, and DECORATE, Active learning with ensembles.
- 5. Experimental Evaluation of Learning Algorithms** - Measuring the accuracy of learned hypotheses, Comparing learning algorithms: cross-validation, learning curves, and statistical hypothesis testing.
- 6. Computational Learning Theory** - Models of learnability: learning in the limit; probably approximately correct (PAC) learning. Sample complexity: quantifying the number of examples needed to PAC learn. Computational complexity of training. Sample complexity for finite hypothesis spaces. PAC results for learning conjunctions, kDNF, and kCNF. Sample complexity for infinite hypothesis spaces, Vapnik-Chervonenkis dimension.
- 7. Rule Learning: Propositional and First-Order** - Translating decision trees into rules. Heuristic rule induction using separate and conquer and information gain. First-order Horn-clause induction (Inductive Logic Programming) and Foil. Learning recursive rules. Inverse resolution, Golem, and Progol.
- 8. Artificial Neural Networks** - Neurons and biological motivation. Linear threshold units. Perceptrons: representational limitation and gradient descent training. Multilayer networks and backpropagation. Hidden layers and constructing intermediate, distributed representations. Overfitting, learning network structure, recurrent networks.
- 9. Support Vector Machines** - Maximum margin linear separators. Quadratic programming solution to finding maximum margin separators. Kernels for learning non-linear functions.



*Ravi*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

10. **Bayesian Learning** - Probability theory and Bayes rule. Naive Bayes learning algorithm. Parameter smoothing. Generative vs. discriminative training. Logistic regression. Bayes nets and Markov nets for representing dependencies.
11. **Instance-Based Learning** - Constructing explicit generalizations versus comparing to past specific examples. k-Nearest-neighbor algorithm. Case-based learning.
12. **Text Classification** - Bag of words representation. Vector space model and cosine similarity. Relevance feedback and Rocchio algorithm. Versions of nearest neighbor and Naive Bayes for text.
13. **Clustering and Unsupervised Learning** - Learning from unclassified data. Clustering. Hierarchical Agglomerative Clustering. k-means partitional clustering. Expectation maximization (EM) for soft clustering. Semi-supervised learning with EM using labeled and unlabeled data.
14. **Language Learning** - word-sense disambiguation, sequence labeling. Hidden Markov models (HMM's). Viterbi algorithm for determining most-probable state sequences. Forward-backward EM algorithm for training the parameters of HMM's. Use of HMM's for speech recognition, part-of-speech tagging, and information extraction. Conditional random fields (CRF's). Probabilistic context-free grammars (PCFG). Parsing and learning with PCFGs. Lexicalized PCFGs.



*Ramesh*  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kempally), Sec'bad-500100

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

Department: CSE

Course Name: MACHINE LEARNING

Date:08/08/2017-12/08/2017

Sl. No	Roll No	Name of the students	Year/Semester
1	14J41A0501	Atluri Pranay Chowadary	IV/I
2	14J41A0502	Alla Shanith	IV/I
3	14J41A0503	A Venkateshwar Rao	IV/I
4	14J41A0504	Aluri Mahendar Reddy	IV/I
5	14J41A0505	Boppidi Madhuri Reddy	IV/I
6	14J41A0506	B Maghana Anand	IV/I
7	14J41A0507	B Navya Prathyusha	IV/I
8	14J41A0508	Bukke Kesava Sai Krishna Naik	IV/I
9	14J41A0509	Ch Niyanth Reddy	IV/I
10	14J41A0510	Chiruvolu Revanth Rumar	IV/I
11	14J41A0511	Ch Vijay Kanth Reddy	IV/I
12	14J41A0512	Chakalaparam Raman Deevana	IV/I
13	14J41A0513	D Hemanth	IV/I
14	14J41A0514	Dasari Jagadeesh	IV/I
15	14J41A0515	D Sushmita Priya	IV/I
16	14J41A0516	Deverasetti Saikiran	IV/I
17	14J41A0517	Dhanush Kodi Ranga Rajan	IV/I
18	14J41A0518	Dodda Bhuvaneshwari	IV/I
19	14J41A0519	Duddu Vaishavi	IV/I
20	14J41A0520	Eppa Sai Deepak	IV/I
21	14J41A0521	Gaddam Abhiram Goud	IV/I
22	14J41A0522	Goukarla Prasanna Kumar	IV/I
23	14J41A0523	Illuri Satyageethika	IV/I
24	14J41A0524	Jupally Hari Priya	IV/I
25	14J41A0525	Japa Sadhana	IV/I
26	14J41A0526	Katragadda Jagadeswar	IV/I
27	14J41A0527	Kundur Srinitha	IV/I
28	14J41A0528	Kunna Srujan Kumar	IV/I

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29	14J41A0529	Kethepalli Vineetha	N/I
30	14J41A0530	Kotaru Yeswanth	N/I
31	14J41A0531	Kanaji Sushma	N/I
32	14J41A0532	Kanne Sai Teja	N/I
33	14J41A0533	Kanneboyina Monika	N/I
34	14J41A0534	Kemshetty Sarika	N/I
35	14J41A0535	Kommula Prem Kumar	N/I
36	14J41A0536	Lingala Srikanth	N/I
37	14J41A0537	Macharla Indu	N/I
38	14J41A0538	Mohammad Haseeb Ul Shoaib	N/I
39	14J41A0539	Molugumati Sathvik	N/I
40	14J41A0540	Nerella Rajashekar Reddy	N/I
41	14J41A0541	N Saikrishna	N/I
42	14J41A0542	Puchakayala Akhila	N/I
43	14J41A0543	P Raghava Vamshidhar Reddy	N/I
44	14J41A0544	Pathloth Praveen Nayak	N/I
45	14J41A0545	Pooja Agarwal	N/I
46	14J41A0546	Ramya Shree Tatikonda	N/I
47	14J41A0547	Srigiri Nihal	N/I
48	14J41A0548	S Prem	N/I
49	14J41A0549	Sardar Hariendar Singh	N/I
50	14J41A0550	Sardar Sohan Singh Chahel	N/I
51	14J41A0551	Siddharth Kothamasu	N/I
52	14J41A0552	Srungavarapu Spanadana Chowdary	N/I
53	14J41A0553	Talasila Sujith	N/I
54	14J41A0554	Thimmareddy Rohith Reddy	N/I
55	14J41A0555	Tummuru Tejashwini	N/I
56	14J41A0556	T V Subha Vaishanai	N/I
57	14J41A0557	Uddagiri Sai Krishna	N/I
58	14J41A0558	V Sai Sravan Akash	N/I
59	14J41A0559	Varikollu Sainadh	N/I
60	14J41A0560	Vetcha Naimisha	N/I
61	14J41A0561	M Jaya Surya Raj	N/I
62	14J41A0562	S Sharath	N/I
63	14J41A0561	A Monish	N/I
64	14J41A0562	A Bhavyasree	N/I
65	14J41A0563	A Khashyap	N/I
66	14J41A0564	A Madhusudan Reddy	N/I

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67	14J41A0565	G Gopal Prasad	IV/I
68	14J41A0566	Aarthi Reddy P	IV/I
69	14J41A0567	Adem Reetu	IV/I
70	14J41A0568	Adithya Raj Alladi	IV/I
71	14J41A0569	Aendala Sunil Kumar	IV/I
72	14J41A0570	Amara Chinta Bhanu Prakash	IV/I
73	14J41A0571	Anchala Sessa Sai Sneha	IV/I
74	14J41A0572	B Sri Krishna	IV/I
75	14J41A0573	Balasankula Hardhik	IV/I
76	14J41A0574	B.Vaishnavi Yadav	IV/I
77	14J41A0575	Bhargav Sashank Goparaju	IV/I
78	14J41A0576	D Srikanth Reddy	IV/I
79	14J41A0577	Dasari Tejaswini	IV/I
80	14J41A0578	Davuluri Raja Sekhar	IV/I
81	14J41A0579	Dharamsoti Mohan	IV/I
82	14J41A0580	Donthineni Srujan	IV/I
83	14J41A0581	Empaty Akhila	IV/I
84	14J41A0582	G Padma Sirisha	IV/I
85	14J41A0583	Gadda Vijaybabu	IV/I
86	14J41A0584	Gangarajula Suraj	IV/I
87	14J41A0585	Gudipally Reema	IV/I
88	14J41A0586	Guggilla Neelima	IV/I
89	14J41A0587	K Bharath Kumar Reddy	IV/I
90	14J41A0588	Katipalli Naresh Babu	IV/I
91	14J41A0589	Kola Jahnavi	IV/I
92	14J41A0590	Koneru Pujitha	IV/I
93	14J41A0591	M Guru Teja	IV/I
94	14J41A0592	M Haripriya	IV/I
95	14J41A0593	M Rashmitha Reddy	IV/I
96	14J41A0594	M Srikar Reddy	IV/I
97	14J41A0595	Madala Yojana	IV/I
98	14J41A0596	Matakatla Issac Solomon	IV/I
99	14J41A0597	Mohammed Zubair	IV/I
100	14J41A0598	Mukthavarapu Laxmi Sravanthi	IV/I
101	14J41A0599	P Akhil	IV/I
102	14J41A05A1	P Rakshith Raj	IV/I
103	14J41A05A2	P Srujan Reddy	IV/I
104	14J41A05A3	P V Monika	IV/I
105	14J41A05A4	Palvai Nikitha	IV/I



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Principal

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106	14J41A05A5	Patlolla Akhila Reddy	IV/I
107	14J41A05A6	Piska Srikanth	IV/I
108	14J41A05A8	Rangisetty Mahesh	IV/I
109	14J41A05A9	Rapala Sowjanya Lahari	IV/I
110	14J41A05B0	Ravulapati Manikanta Reddy	IV/I
111	14J41A05B1	Reddy Lalith Teja	IV/I
112	14J41A05B2	Shaik Kasim Nayab Rasool	IV/I
113	14J41A05B3	Shaik Nafees Ahmed	IV/I
114	14J41A05B4	T Dinesh Reddy	IV/I
115	14J41A05B5	T Sahithi Lakshmi	IV/I
116	14J41A05B6	T Shravya	IV/I
117	14J41A05B7	Telukuntla Supriya	IV/I
118	14J41A05B8	Thotakura Gayathri	IV/I
119	14J41A05B9	Vanga Harshitha Reddy	IV/I
120	14J41A05C0	Vasanth Sonavane	IV/I
121	14J41A05C1	Anabathula Umesh Kumar	IV/I
122	14J41A05C2	Are Dhanasree	IV/I
123	14J41A05C3	Arolla Bhavani	IV/I
124	14J41A05C4	Asif Rasool	IV/I
125	14J41A05C5	Awaru Nikitha	IV/I
126	14J41A05C6	Bondalapati Dinesh	IV/I
127	14J41A05C7	B Sai Teja	IV/I
128	14J41A05C8	Bhiri Mounica Sai Sree Anusha	IV/I
129	14J41A05C9	B Revanth	IV/I
130	14J41A05D0	Bommisetty Vinitha Lakshmi	IV/I
131	14J41A05D1	Bonaboyana Manaswini	IV/I
132	14J41A05D2	Bonala Bharadwaj	IV/I
133	14J41A05D3	Cheella Karthik Sai	IV/I
134	14J41A05D4	Ch Manoj Kumar	IV/I
135	14J41A05D5	D Shirisha	IV/I
136	14J41A05D6	Devarapaga Ashok	IV/I
137	14J41A05D7	Dhulipala Manogna	IV/I
138	14J41A05D8	E Radheshyam	IV/I
139	14J41A05D9	Gunda Ravali	IV/I
140	14J41A05E1	Gaddam Alekhya	IV/I
141	14J41A05E2	Gongireddy Thejaswini	IV/I
142	14J41A05E3	H Sahana	IV/I
143	14J41A05E4	Jangapelli Nineesha	IV/I
144	14J41A05E5	J Chakradhar	IV/I



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Principal  
Malla Reddy Engineering College  
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144	14J41A05E6	J Shiva Kumar	IV/I
145	14J41A05E7	Joorigala Niharika	IV/I
146	14J41A05E8	Kolla Nikhil Reddy	IV/I
147	14J41A05E9	K V Vamshi Krishna	IV/I
148	14J41A05F0	Kalyanam Kalyani	IV/I
149	14J41A05F1	Karishma M Wadhe	IV/I
150	14J41A05F2	Karuturi Reshmi Chowdary	IV/I
151	14J41A05F3	Kodamagundla Prem Sharan	IV/I
152	14J41A05F4	L Sai Deepak	IV/I
153	14J41A05F5	Lingampalli Suresh	IV/I
154	14J41A05F6	Manikya Joanna Pranathi	IV/I
155	14J41A05F7	Metpally Nikhil	IV/I
156	14J41A05F8	Matteddula Sri Lakshmi	IV/I
157	14J41A05F9	Madhunala Sai Meghana	IV/I
158	14J41A05G0	Mandati Akhil Reddy	IV/I
159	14J41A05G1	Marri Manisha	IV/I
160	14J41A05G2	Murahari Rohit	IV/I
161	14J41A05G3	Nagandla Manasa	IV/I
162	14J41A05G4	Potturu Eswar	IV/I
163	14J41A05G5	Pabba Sahithya	IV/I
164	14J41A05G6	Potharaju Nikhil Kumar	IV/I
165	14J41A05G7	Sriram Sai Kiran	IV/I
166	14J41A05G8	Tiruvalluri Jajajeevaraj Enosh	IV/I
167	14J41A05G9	T Manish	IV/I
168	14J41A05H0	Tejavath Mahesh Kumar	IV/I
169	14J41A05H2	Varikuntla Karthik	IV/I
170	14J41A05H3	Vakdoth Sridhar	IV/I
171	14J41A05H4	Vangapandu Sai Kumar	IV/I
172	14J41A05H5	Nagori Vinayak Kumar	IV/I
173	14J41A05H6	Vutla Nvs Manidhar	IV/I
174	14J41A05H7	Yeruva Keerthi	IV/I
175	14J41A05H8	Yappuram Sumana	IV/I
176	14J41A05H9	Yerragonda Nageswara Rao	IV/I
177	14J41A05J0	Yerramshetty Sai Praneeth	IV/I
178	14J41A05J1	Sri Navya A	IV/I
179	14J41A05J2	Achanta Sravya	IV/I
180	14J41A05J3	Aman Kumar Singh	IV/I
181	14J41A05J4	Arumalla Hema Sunanda	IV/I
812	14J41A05J5	Ashok Anusha	IV/I



*Raveesh*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

183	14J41A05J6	Ashok Ayushi	N/I
184	14J41A05J7	Bairapogu Divya	N/I
185	14J41A05J8	Barigela Sandyarani	N/I
186	14J41A05J9	Boga Sai Santosh	N/I
187	14J41A05K0	Bommadi Harini	N/I
189	14J41A05K1	Bommi Yashwanth Simha	N/I
190	14J41A05K2	Bondili Sai Santosh Singh	N/I
191	14J41A05K3	Cheganti Himabindu	N/I
192	14J41A05K4	Chiluveru Veda	N/I
193	14J41A05K5	Sumalatha Dusa	N/I
194	14J41A05K6	Danthala Uday	N/I
195	14J41A05K7	Dheshmuk Beedipalli Munavar Basha	N/I
196	14J41A05K8	E Sai Sharan Reddy	N/I
197	14J41A05K9	Etikala Srikanth Reddy	N/I
198	14J41A05L0	Gangam Kundana	N/I
199	14J41A05L1	Gourav Badhey	N/I
200	14J41A05L2	Gunji Mabu	N/I
201	14J41A05L3	I Varun	N/I
202	14J41A05L4	Jeedipally Sravya Reddy	N/I
203	14J41A05L5	Sai Krishna K N	N/I
204	14J41A05L6	Kanneganti Sri Harsha	N/I
205	14J41A05L7	Kethapally Umesh	N/I
206	14J41A05L8	Kaki Varun Sai	N/I
207	14J41A05L9	Kamatala Harivaraprasad	N/I
208	14J41A05M0	Kasireddy Venkata Akshith Reddy	N/I
209	14J41A05M1	Lingala Raja Shekar Reddy	N/I
210	14J41A05M2	M Anant Nagg	N/I
211	14J41A05M3	Pruthvi M	N/I
212	14J41A05M4	Miryala Sai Krishna	N/I
213	14J41A05M5	Mamidi Susan Blessy	N/I
214	14J41A05M6	Manjramkar Smitha	N/I
215	14J41A05M7	Gaikwad Mayur Maruthi	N/I
216	14J41A05M8	Md Sohial Ahmed	N/I
217	14J41A05M9	Mulkala Joshua Rao	N/I
218	14J41A05N0	Mundrathi Akshatha	N/I
219	14J41A05N1	Muniganti Rahul Ganesh	N/I
220	14J41A05N2	Muntha Prashanth	N/I
221	14J41A05N3	Nareddy Pravallika	N/I



*Ramesh*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

222	14J41A05N4	Nannapaneni Ravi Teja	IV/I
223	14J41A05N5	Nadgodi Nihal	IV/I
224	14J41A05N6	Nalla Anish Reddy	IV/I
225	14J41A05N7	Narra Prathyusha Reddy	IV/I
226	14J41A05N8	Nishanth Kumar Nirala	IV/I
227	14J41A05N9	P Vineesha	IV/I
228	14J41A05P0	Rahul R	IV/I
229	14J41A05P1	Ritu Neelam	IV/I
230	14J41A05P2	Samindla Sindhuja	IV/I
231	14J41A05P3	Sunshetty Susheel Preetham:kumar	IV/I
232	14J41A05P4	T Narendra Kumar	IV/I
233	14J41A05P5	Potla Tharun Kumar Reddy	IV/I
234	14J41A05P6	Uddanti Swathi	IV/I
235	14J41A05P7	Vallamdas Ratheesh	IV/I
236	14J41A05P8	Viswanadha Lakshmi Mounica	IV/I
237	14J41A05P9	Pendru Vydeesh Reddy	IV/I
238	15J41A0542	Paloju Niharika	IV/I
239	16J45A0504	Kanugula.Prashanth	IV/I



*Ramesh*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## **MACHINE LEARNING - Summary**

10.08.2017

Course duration: 8<sup>th</sup> August 2017 to 10<sup>th</sup> August, 2017

### Overview of the Course

This ML course is ideal for working professionals with programming knowledge. It covers key concepts like Statistics, Machine Learning, Deep Learning, NLP, and Reinforcement Learning. This program is delivered through our interactive learning model with live sessions by global practitioners, labs, and industry projects.

The main objective of this programme is to introduce students to the basic concepts and techniques of **Machine Learning**. To develop skills of using recent **machine learning** software for solving practical problems. To gain experience of doing independent study and research.

The speaker also covered the following topics:

- Introduction to Programming
- Data Structures and Algorithms
- Machine Learning & Deep Learning

The primary purpose of **machine learning** is to discover patterns in the user data and then make predictions based on these and intricate patterns for answering business questions and solving business problems. **Machine learning** helps in analysing the data as well as identifying trends

After successful completion of the course the certificates are issued to the participants



*Ravi*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100



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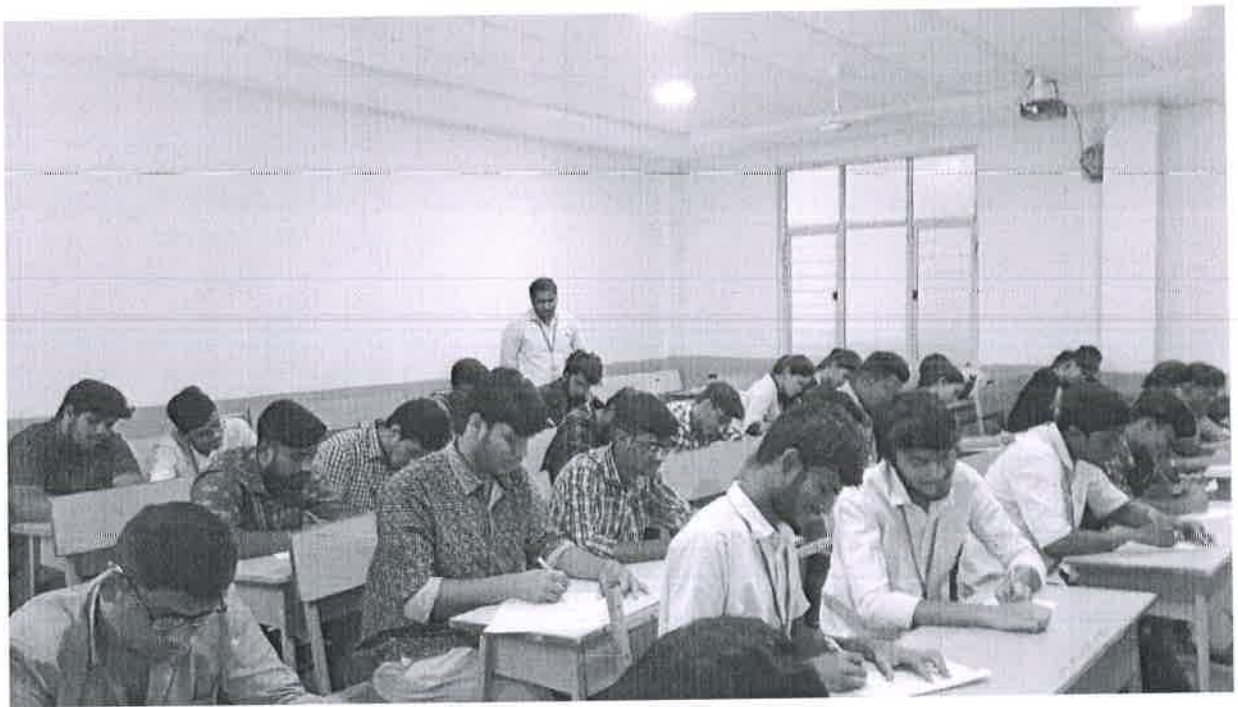
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500100

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### VAC MECHINE LEARNING



*Raveesh*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Atluri Pranay Chowdary bearing Roll No. 14J41A0501 has successfully completed Certificate / Value Added Course / Workshop in MACHINE LEARNING conducted by the Department of Computer Science and Engineering from 08th August 2017 to 12th August 2017.

COORDINATOR

HOD

PRINCIPAL



*Raveed*  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100



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## CERTIFICATE OF COMPLETION

This is to certify that Alla Shanith bearing Roll No. 14J41A0502 has successfully completed Certificate / Value Added Course / Workshop in MACHINE LEARNING conducted by the Department of Computer Science and Engineering from 08th August 2017 to 12th August 2017.

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HOD

PRINCIPAL



Principal  
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Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100





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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A Venteshwara Rao bearing Roll No. 14J41A0503 has successfully completed Certificate / Value Added Course / Workshop in MACHINE LEARNING conducted by the Department of Computer Science and Engineering from 08th August 2017 to 12th August 2017.

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This is to certify that Mr./Ms. B.Madhuri Reddy bearing Roll No. 14J41A0505 has successfully completed Certificate / Value Added Course / Workshop in MACHINE LEARNING conducted by the Department of Computer Science and Engineering from 08th August 2017 to 12th August 2017.

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## CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. A Mahindhar Reddy bearing Roll No. 14J41A0504 has successfully completed Certificate / Value Added Course / Workshop in MACHINE LEARNING conducted by the Department of Computer Science and Engineering from 08th August 2017 to 12th August 2017.

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