



**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-Malkajgiri District, Secunderabad,  
Telangana State – 500100  
www.mrec.ac.in

## Department of Computer Science and Engineering

### CIRCULAR

Date: 08/07/2018

All the students are hereby informed that Value Added Course on “**BIGDATA ANALYTICS**” is being organized by the **Computer Science and Engineering** department on dated **16<sup>th</sup> July 2018** to **20<sup>th</sup> July 2018**. The resource person for the course is **Mr. Karthik** “

Students are advised to register their names to the programme coordinator “**Mr. PV Ramana Murthy, Asst Prof, CSE Dept**”, on or before **06/07/2018** 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.



*Revised*  
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.



## Advisory Committee

**Chief Patrons:** Sri. Ch. Malla Reddy  
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. R P Ramkumar  
HOD CSE

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

**Resource Person:** Mr. Karthik,

## Organizing Committee:

Dr. R P Ramkumar, Professor, CSE

Dr. S. Dhanalakshmi, Professor, CSE

Mr. Sanjeeva Polepaka, Associate Professor, CSE

Mr. P.V.Ramana Murthy, Assistant Professor, CSE

Ms. S. Sandhya Ran, Assistant Professor, CSE

Mr.Md. Inayathulla, Assistant Professor, CSE

Mr.A.Lakshman, Assistant Professor, CSE

Mr.Yarava Rakesh Kumar, Assistant Professor, CSE

Mrs.G. Vamshi Krishna, Assistant Professor, CSE

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



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

*On*

**"BIG DATA ANALYTICS"**

**(16<sup>th</sup> to 20<sup>th</sup> July, 2018)**



*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.

## 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

The **BIGDATA** course recognizes basic skills in installing, supporting, and troubleshooting wired and/or wireless networks. One can choose from several tracks, including Cloud, Collaboration, Cyber Ops, Data Center, Industrial, Routing and Switching, Security, Service Provider and Wireless.

The **BIGDATA** certification validates your skills and knowledge in network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

## Objectives of the Programme

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Understand and describe basic switching concepts and the operation of Cisco switches
- Understand and describe enhanced switching technologies
- Understand and describe dynamic routing protocols, distance vector routing protocols, and link-state routing protocols
- Configure and troubleshoot basic operations in a small switched and routed network
- Configure and troubleshoot VLANs and inter-VLAN routing

## Topics to be covered

- Exploring the Network,
- Configuring a Network Operating System,
- Network Protocols and Communications,
- Network Access

## 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 equip with all the skills required to match their expectations.

## 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



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Maisammaguda, Bhulapally,  
(Post Via Kompalli) Sec 10, Dist. Nellore, A.P.



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## VAC BIG DATA Syllabus

- 1) Overview of Big Data: This includes topics such as history of big data, its elements, career related knowledge, advantages, disadvantages and similar topics.
- 2) Using Big Data in Businesses: This module should focus on the application perspective of Big Data covering topics such as using big data in marketing, analytics, retail, hospitality, consumer good, defense etc.
- 3) Technologies for Handling Big Data: Big Data is primarily characterized by Hadoop. This module cover topics such as Introduction to Hadoop, functioning of Hadoop, Cloud computing (features, advantages, applications) etc.
- 4) Understanding Hadoop Ecosystem: This includes learning about Hadoop and its ecosystem which includes HDFS, MapReduce, YARN, HBase, Hive, Pig, Sqoop, Zookeeper, Flume, Oozie etc.
- 5) Understanding Big Data Technology Foundations: This module covers the big data stack i.e. data source layer, ingestion layer, source layer, security layer, visualization layer, visualization approaches etc.



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

Department: CSE

Course Name: **BIG DATA ANALYTICS**

Date:16/07/2018-20/07/2018

Value Added Courses  
List of Students enrolled and Completed

Sl. No	Roll No	Name of the students	Year/Semester
1	15J41A0501	Akarapu Vaagdevi	IV/I
2	15J41A0502	Alla Jugal Sainath	IV/I
3	15J41A0503	Arepally Jayanthi	IV/I
4	15J41A0504	Bandi Vinuthna	IV/I
5	15J41A0505	Bhumanapally Anjali Reddy	IV/I
6	15J41A0506	Boga Radhika	IV/I
7	15J41A0507	Boors Sai Kumar	IV/I
8	15J41A0508	Bythala Natraj	IV/I
9	15J41A0509	C Mahathi	IV/I
10	15J41A0511	Chaudhary Vinod Magaramjee	IV/I
11	15J41A0512	Cherukuri Venkata Naga Pavan Kumar	IV/I
12	15J41A0513	Chintakayala Bhanuprakash	IV/I
13	15J41A0514	Dilip Kumar M	IV/I
14	15J41A0515	Gajjela Kireeti Babu	IV/I
15	15J41A0516	Gangineni Venkata Viswesh	IV/I
16	15J41A0517	Guthi Lokesh	IV/I
17	15J41A0518	Jangam Aishwarya Bhavani	IV/I
18	15J41A0519	K Praveen Sai	IV/I
19	15J41A0520	K Sravani	IV/I
20	15J41A0521	Karishma Garikapalli	IV/I
21	15J41A0522	Katakam Rahul	IV/I
22	15J41A0523	Katkuri Sai Krishna	IV/I
23	15J41A0524	Khatri Suraj Sai Kishore	IV/I
24	15J41A0525	Kommalapati Narendra Babu	IV/I
25	15J41A0526	Koteswara Anisha	IV/I
26	15J41A0528	Kunta Prathyusha	IV/I
27	15J41A0529	Kurma Sreenivasa	IV/I



*Randh*  
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28	15J41A0530	M Sai Snigdha	IV/I
29	15J41A0531	M Sandesh	IV/I
30	15J41A0532	Malothu Suman Naik	IV/I
31	15J41A0533	Marri Praffula Kumar Mahantha	IV/I
32	15J41A0534	Mekala Ashwanth Reddy	IV/I
33	15J41A0535	Muliki Kavya Mounika	IV/I
34	15J41A0536	Myakala Thirumal	IV/I
35	15J41A0537	Myla Ramya	IV/I
36	15J41A0539	Nadikoppu Venkatesh	IV/I
37	15J41A0540	Nadimpalli Venkata Satyanarayana Raiu	IV/I
38	15J41A0541	Nalla Yashwanth Reddy	IV/I
39	15J41A0542	Paloju Niharika	IV/I
40	15J41A0543	Patlolla Ramyasree	IV/I
41	15J41A0544	Peri Karthikeya Sastry	IV/I
42	15J41A0545	Raja Radha Sowmya	IV/I
43	15J41A0547	Rubina Tabassum	IV/I
44	15J41A0548	Samba Rahul Raj	IV/I
45	15J41A0549	Sardar Aisha Sultana Tasneem	IV/I
46	15J41A0550	Shabad Aravind	IV/I
47	15J41A0551	Shanigarapu Akhila	IV/I
48	15J41A0552	Shireen	IV/I
49	15J41A0554	T Sree Lekha	IV/I
50	15J41A0555	Trinaini Talari	IV/I
51	15J41A0556	Ummagani Vinaykumar	IV/I
52	15J41A0557	Vamsi Krishna Kalakuntla	IV/I
53	15J41A0558	Vankoudouth Redya Naik	IV/I
54	15J41A0559	Vasantha Krishna Sai Manikanta	IV/I
55	15J41A0560	Yerra Sathish	IV/I
56	16J45A0501	Ashangari Praneeth Reddy	IV/I
57	16J45A0502	Burra Sai Charan Goud	IV/I
58	16J45A0503	Kancharla Arundhathi	IV/I
59	16J45A0504	Kanugula.Prashanth	IV/I
60	16J45A0505	Konduru Vijaya Gandhi	IV/I
61	15J41A0561	Akkineni Jahnvi	IV/I
62	15J41A0562	Arava Raghunath Reddy	IV/I
63	15J41A0563	Atul Kumar	IV/I
64	15J41A0564	B Thejasvini	IV/I
65	15J41A0565	Balam Venkata Sai Krishna	IV/I



*Ramiah*  
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66	15J41A0567	Bochu Sumanth	IV/I
67	15J41A0568	Challa Arun Kumar	IV/I
68	15J41A0569	Charugundla Mani Deep	IV/I
69	15J41A0570	D Akhil Kumar Reddy	IV/I
70	15J41A0571	D V P S Sai Saran	IV/I
71	15J41A0572	Dasari Vamsi Krishna	IV/I
72	15J41A0573	Deshpande Vinayak Rao	IV/I
73	15J41A0574	Dharavath Premchand Naik	IV/I
74	15J41A0575	G Raghavender Yadav	IV/I
75	15J41A0576	G Uma Maheshwari	IV/I
76	15J41A0577	Galam Yamuna	IV/I
77	15J41A0579	Gardas Samhith	IV/I
78	15J41A0580	Gattoju Sharath Kumar	IV/I
79	15J41A0581	Guguloth Krishna Sree	IV/I
80	15J41A0582	Gurijala Harshitha	IV/I
81	15J41A0583	J Vaishnavi Reddy	IV/I
82	15J41A0584	K Sanjay Bhargav	IV/I
83	15J41A0585	Kakumani S N Varaprasad	IV/I
84	15J41A0587	Kamani Pavan Kumar Reddy	IV/I
85	15J41A0588	Karre Sreeman	IV/I
86	15J41A0589	Katla Vamshi Krishna	IV/I
87	15J41A0590	Kokkonda Haritha	IV/I
88	15J41A0591	Kondreddi Kartheek	IV/I
89	15J41A0592	Lazarus S F	IV/I
90	15J41A0593	M Parameshwar	IV/I
91	15J41A0594	M Srinivasa Chanakya	IV/I
92	15J41A0595	Mallapragada Lavanya	IV/I
93	15J41A0596	Manala Swetha	IV/I
94	15J41A0597	Mandaloju Sharath Kumar	IV/I
95	15J41A0598	Mohammad Shoeb Ahmed	IV/I
96	15J41A0599	Mohammad Soheb	IV/I
97	15J41A05A0	N Vanitha	IV/I
98	15J41A05A1	Nalluri Sreekanth	IV/I
99	15J41A05A3	P Rakesh Kumar Reddy	IV/I
100	15J41A05A4	Palle Divya	IV/I
101	15J41A05A5	Pasupuleti Deekshith	IV/I
102	15J41A05A6	Pendyala Dinesh Kumar	IV/I
103	15J41A05A7	Pullagour Alok	IV/I
104	15J41A05A8	Pusuluri Sakesh	IV/I



*Raveesh*  
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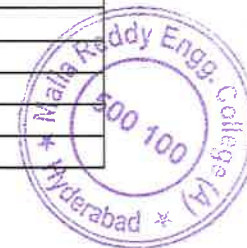
105	15J41A05A9	Ravilala Surya Varma	IV/I
106	15J41A05B0	Dodla Devendhar Reddy	IV/I
107	15J41A05B1	Shaik Abdul Maheer	IV/I
108	15J41A05B2	Shruthi Reddy Maha	IV/I
109	15J41A05B3	Sunkara Venkata Sai Naveen Kumar	IV/I
110	15J41A05B4	Suram Raju	IV/I
111	15J41A05B5	Suram Samanth Raj	IV/I
112	15J41A05B6	V Sai Vineela	IV/I
113	15J41A05B8	Veerabathini Pavan Sai	IV/I
114	15J41A05B9	Vemu Rahul Raj	IV/I
115	15J41A05C0	Yerrabolu Ram Charan Reddy	IV/I
116	16J45A0506	Kurre Anil Kumar	IV/I
117	16J45A0507	N Naveen	IV/I
118	16J45A0508	Nallolla Anil Kumar	IV/I
119	16J45A0509	Pamu Sai Charan	IV/I
120	15J41A05C1	A Anudeep	IV/I
121	15J41A05C2	Ankit Kumar Ronde	IV/I
122	15J41A05C3	Anumalla Nithinraj	IV/I
123	15J41A05C4	Azmeera Akhil	IV/I
124	15J41A05C6	Bankala Bharath Kumar	IV/I
125	15J41A05C7	Basawaraju Sai Deepak	IV/I
126	15J41A05C8	Bavandla Sai Teja	IV/I
127	15J41A05C9	Bhuma Sai Teja	IV/I
128	15J41A05D0	Bindu Boppudi	IV/I
129	15J41A05D1	Boda Harshitha	IV/I
130	15J41A05D2	Bollu Saiprasad	IV/I
131	15J41A05D3	Botsa Lavanya	IV/I
132	15J41A05D4	Nimmala Revanth Reddy	IV/I
133	15J41A05D5	Challa Meghana	IV/I
134	15J41A05D6	Challa Shalini Reddy	IV/I
135	15J41A05D7	Chetti Dheeraj Kumar	IV/I
136	15J41A05D8	Degala Dilip	IV/I
137	15J41A05D9	Gaddam Ajay	IV/I
138	15J41A05E0	Gandu Deekshitha	IV/I
139	15J41A05E1	Gonuguntla Sravani	IV/I
140	15J41A05E2	Goresaheb Zahid Ahamed	IV/I
141	15J41A05E3	Illuri Aishwarya	IV/I
142	15J41A05E4	Jangiti Renuka	IV/I
143	15J41A05E6	Kankante Tanmay	IV/I



*Renuka*  
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144	15J41A05E7	Khambhampati Hiranmai	IV/I
144	15J41A05E8	Kolla Pooja	IV/I
145	15J41A05E9	Komma Harikeerthi	IV/I
146	15J41A05F0	Kottamasu Vyshnavi	IV/I
147	15J41A05F1	Machkuri Suryakanth	IV/I
148	15J41A05F3	Majoju Sai Mohan	IV/I
149	15J41A05F4	Malepati Venkata Sai Rahul Gupta	IV/I
150	15J41A05F6	Marri Vineeth	IV/I
151	15J41A05F7	Methuku Pallavi	IV/I
152	15J41A05F8	Mittapalli Akhil	IV/I
153	15J41A05F9	Mora Mrudula	IV/I
154	15J41A05G0	Odeti Manojkumar	IV/I
155	15J41A05G1	Pasham Vishwanath Reddy	IV/I
156	15J41A05G3	Peketi Vinya	IV/I
157	15J41A05G4	Pochana Poojitha	IV/I
158	15J41A05G5	Potu Pavan	IV/I
159	15J41A05G6	Priyanka Kumari Sahu	IV/I
160	15J41A05G7	Reqa Gautham	IV/I
161	15J41A05G8	Sanaboina Ajith Rahul	IV/I
162	15J41A05G9	Sardar Abhishek Singh	IV/I
163	15J41A05H0	Shaik Salman Ahmad	IV/I
164	15J41A05H1	Srikande Ashritha	IV/I
165	15J41A05H2	Sriteja Madishetty	IV/I
166	15J41A05H3	Sura Sucharitha Reddy	IV/I
167	15J41A05H4	Sweety Barui	IV/I
168	15J41A05H5	T Madhuri	IV/I
169	15J41A05H6	T Sravani	IV/I
170	15J41A05H7	Thoram Mohan Siva Kumar	IV/I
171	15J41A05H8	Tirukkovela Sweeya	IV/I
172	15J41A05H9	Uppu Naresh	IV/I
173	15J41A05J0	Veeramalla Lingaraju	IV/I
174	13J41A05P1	Santosh Gaikwad	IV/I
175	15J41A05J1	Acha Shyam Kumar	IV/I
176	15J41A05J2	Addala Sai Kishore	IV/I
177	15J41A05J3	Alla Sai Yugandhar Reddy	IV/I
178	15J41A05J4	Angothu Vamshi	IV/I
179	15J41A05J5	Anugandula Sumanth	IV/I
180	15J41A05J6	Banoth Devender	IV/I
181	15J41A05J7	Beemanapalli Raiesh	IV/I



*Raveed*  
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812	15J41A05J8	Boddupelli Vasavi	IV/I
183	15J41A05J9	Boligala Sai Kumar	IV/I
184	15J41A05K0	Ch Hemanth	IV/I
185	15J41A05K1	Chalasani Neha	IV/I
186	15J41A05K2	Chiruvolu Akash	IV/I
187	15J41A05K3	Ciripuram Anirudh	IV/I
189	15J41A05K4	D Manasasree	IV/I
190	15J41A05K5	D Om Surya	IV/I
191	15J41A05K6	Dharavath Sravanthi	IV/I
192	15J41A05K7	Dodda Hemanth	IV/I
193	15J41A05K8	Donga Anand Prasad	IV/I
194	15J41A05K9	Emani Kiranchandra	IV/I
195	15J41A05L0	G Srilaxmi Bhavani	IV/I
196	15J41A05L1	G Susheel Reddy	IV/I
197	15J41A05L2	Gangireddy Sai Pranavee Reddy	IV/I
198	15J41A05L3	Girimalla Srividya	IV/I
199	15J41A05L4	J Arun Kumar Reddy	IV/I
200	15J41A05L5	Jakkula Saikumar	IV/I
201	15J41A05L6	Jinka Shiva Naga Manoj	IV/I
202	15J41A05L7	Kadurla Srikanth	IV/I
203	15J41A05L9	Kambhampati Sai Manikanta	IV/I
204	15J41A05M0	Karnam Akhil	IV/I
205	15J41A05M1	Karnati Bharath Akhil Prudhvi	IV/I
206	15J41A05M2	Katkam Akhil	IV/I
207	15J41A05M3	Kemsaram Gowthami	IV/I
208	15J41A05M4	Kondeti Likitha	IV/I
209	15J41A05M5	Korikanti Nagaraju	IV/I
210	15J41A05M6	Mamde Srinivasa Reddy	IV/I
211	15J41A05M7	Mittapalli Anvesh	IV/I
212	15J41A05M8	Mittapalli Pavithra	IV/I
213	15J41A05M9	Munagapati Sai Aishwarya	IV/I
214	15J41A05N0	Nampelly Sankeerthana	IV/I
215	15J41A05N1	Nelakurthy Harshith Reddy	IV/I
216	15J41A05N2	P Vidyasree	IV/I
217	15J41A05N3	Md Yousuf Shareef	IV/I
218	15J41A05N4	Padala Praveen	IV/I
219	15J41A05N5	Padiga Venkat Sai	IV/I
220	15J41A05N6	Polusani Sai Krishna	IV/I
221	15J41A05N7	Rao Hemanth	IV/I



*Remish*  
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222	15J41A05N8	Ravikishore Pathipati	IV/I
223	15J41A05N9	Rishika Shukla	IV/I
224	15J41A05P0	S Kiran Kumar	IV/I
225	15J41A05P1	Sakshi Kiran Morgaonkar	IV/I
226	15J41A05P2	Samanoori Poomima Rani	IV/I
227	15J41A05P3	Sirigiri Vishnuvardhan	IV/I
228	15J41A05P4	Sony Yadav	IV/I
229	15J41A05P6	Surapureddi Chandramoulka	IV/I
230	15J41A05P7	Tamminani Manasa	IV/I
231	15J41A05P8	Tullibilli Nagaraju	IV/I
232	15J41A05Q0	Vudutha Naveen Kumar	IV/I
233	14J41A0557	Uddagiri Sai Krishna	IV/I
234	16J45A0501	Ashangari Praneeth Reddy	IV/I
235	16J45A0502	Burra Sai Charan Goud	IV/I
236	16J45A0503	Kancharla Arundhathi	IV/I
237	16J45A0504	Kanugula Prashanth	IV/I
238	16J45A0505	Konduru Vijaya Gandhi	IV/I
239	16J45A0510	Siddam Akash	IV/I
240	16J45A0511	Siddanki Vineeth	IV/I



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### VAC-BIG DATA- Summary

20.07.2018

Course duration:16<sup>th</sup> July 2018 to 20<sup>th</sup> July 2018

#### Overview of the Course

Big Data is a suite of public cloud computing services offered by Google. The platform includes a range of hosted services for compute, storage and application development that run on Google hardware.

The main objective of this Learn ways of storing data that allow for efficient processing and analysis, and gain the skills you need to store, manage, process, and analyse massive amounts of unstructured data to create an appropriate data lake. The speaker also covered the following topics:

Big Data Overview, Data Analytics Lifecycle, Introduction to R, Hypothesis Testing, Hadoop API, PIG - HADOOP TOOL, HIVE – HADOOP TOOL.

#### Outcome of the program

At the end of this course, participants are able to get an overview of what big data is, to get an idea about the programming aspects of cloud computing with a view to rapid prototyping of complex applications and have the specialized aspects of big data including big data application, and big data analytics, cover different types Case studies on the current research and applications of the Hadoop and big data in industry.

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



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### VAC BIG DATA



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Certificate of Completion

This is to certify that Mr. /Ms. Akarapu Vaagdevi bearing Roll No. 15J41A0501 has successfully completed Certificate / Value Added Course / Workshop in BIG DATA ANALYTICS conducted by the Department of Computer Science and Engineering from 16 JULY 2018 to 20 JULY 2018.

COORDINATOR

HOD

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Certificate of Completion

This is to certify that Mr. /Ms. Alla Jugal Sainath bearing Roll No. 15J41A0502 has successfully completed Certificate / Value Added Course / Workshop in BIG DATA ANALYTICS conducted by the Department of Computer Science and Engineering from 16 JULY 2018 to 20 JULY 2018.

COORDINATOR

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Certificate of Completion

This is to certify that Mr. /Ms. Arepally Jayanthi bearing Roll No. 15J41A0503 has successfully completed Certificate / Value Added Course / Workshop in BIG DATA ANALYTICS conducted by the Department of Computer Science and Engineering from 16 JULY 2018 to 20 JULY 2018.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Certificate of Completion

This is to certify that Mr. /Ms. Bandi Vinuthna bearing Roll No. 15J41A0504 has successfully completed Certificate / Value Added Course / Workshop in BIG DATA ANALYTICS conducted by the Department of Computer Science and Engineering from 16 JULY 2018 to 20 JULY 2018.

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## Certificate of Completion

This is to certify that Mr. /Ms. Bhumanapally Anjali Reddy bearing Roll No. 15J41A0505 has successfully completed Certificate / Value Added Course / Workshop in BIG DATA ANALYTICS conducted by the Department of Computer Science and Engineering from 16 JULY 2018 to 20 JULY 2018.

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