



CEP on BIG DATA ANALYTICS	
Date: 5 th October to 10 th October 2020	Venue: Zoom webinar
Time: 11 am to 1 pm	Event : Webinar
No. of Participant: 101	Event Coordinator: Dr. Santhosh M Prof. Reddy Prof Dileep Prof. Priya Jain
Objectives <ul style="list-style-type: none">- To gain deeper understanding of the concept of Big Data Analytics.- To learn how data analysis can be done using Hadoop.- To understand the concept of HDFS, MapReduce, Yarn and Hive.- To analyze the different tools available for data analysis like Python, Git Hub, PySpark, Jupyter etc.- To understand the concept of Image analytics, sentiment analytics and fraud analytics.- To learn how big data analytics takes place in different industries.	
Agenda/Flow of the Event <ul style="list-style-type: none">• 5th October: Introduction to Big Data Analytics• 6th October: Hadoop concepts and Architecture• 7th October: Exploring Big Data and communicating insights• 8th October: Big Data analytics life cycle• 9th October: Big Data analytics life cycle (concept of sampling data and used cases)• 10th October: Big Data analytics in industry and panel discussion	
Outcome Achieved/ Attained: <ul style="list-style-type: none">- Dr. Purushottam Bung on the first day set the context of the program by explaining about the evolution of big data analytics. He explained about the 5 Vs of big data analytics.- Then session I was started by Mr. Sai Bharath. He introduced the concept of data science and big data analytics to the audience. He laid the foundation for big data analytics and explained how big data is driving digital transformation. Then the session was taken over by Mr. Srujan and he	

explained about the big data in marketing and retail. He told about what is next best action for customers in real time.

- On the second day Mr. Sai explained in detail about the clusters in Hadoop. He explained various terminologies like Rack, Course and Hadoop architecture. He also told about the concept of HDFS, MapReduce, Yarn and Hive.
- On third day Mr. Sai Bharath took the practical example of Hadoop and explained how Hadoop can be used for data analysis. On the same day Mr. Debayan Roy also explained the concept of data insight communication using a industry used case.
- On fourth day Ms Divya introduced various other tools like Jupyter, Python, GitHub and PySpark to the audience. She explained how these tools can also be used for analyzing data. Further the session was taken over by Mr. Shreyans and he explained about the concept of image analytics.
- On fifth day the Ms. Divya explained briefly about the concept of sampling as it is very important in data analysis. Later on Mr. Srujan explained the concept of fraud analytics.
- On the last day Mr. Divya explained about the structured and unstructured data available with the help of used case. Later on Mr. Jishnu explained about the concept of sentiment analysis.
- At the end panel discussion was held where in all the speakers explained about how data analysis is happening in various sectors like financial sectors, health sector, fitness sector etc. All the speakers also shared their career journey which motivated all the participants.

Feedback & Coordinator Comment:

The entire program was very well received by all the participants. All the participants appreciated the program and were happy to have deeper knowledge on various concepts related to big data analytics. During the sessions participants had a chance to know how various new tools like Hadoop, python, jupyter, spyder, pyspark etc works. Everyone appreciated the program and motivated the organizers for many such programs in the future.

Event Coordinators

Dr. Santhosh M

Prof. Nagasubba Reddy

Prof. Dileep

Prof. Priya Jain



Director

Dr. Purushottam Bung





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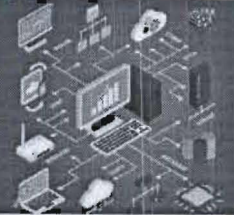
CA 17, 36th Cross, 26th Main, 4th 'T' Block, Jayanagar, Bangalore – 560 041

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is Organising

**ONE WEEK
CONTINUING EDUCATION PROGRAM
ON
BIG DATA ANALYTICS**



Date : 5th October 2020 to 10th October 2020 Time : 11 am to 1 pm

KEY SPEAKERS



Mr. SrujanDarsi
Lead Consultant,

Data Science consulting, Infosys



Mr. Jishnu Mukherjee
Senior analyst, Infosys



Mr. Debayan Roy
Senior Analyst, Barclays



Mr. Sai Bharath
Senior Software Engineer,
R&D Analytics, Tredence Inc



Ms. Divya Choudhary
Senior Data Scientist,
Siemens



Mr. Shreyans Sharma
Assistant Manager
Analytics and Insights, Titan.

Moderator



Dr. Purushottam Bung
Professor & Director – RVIM

Registration Link: <https://forms.gle/iafEqaFmTU1CcW719>

Payment Details

- Rs 500 for Faculty Members / Industry persons/ Research Scholars
- Rs 200 for students

If Bank Transfer

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FACULTY COORDINATORS

Dr. Santhosh M 9739945333 Prof. Dileep S 8553276869
Prof. Nagasubba Reddy 9845492336 Prof. Priya Jain 9108300728

businessanalyst.fdp2020@gmail.com



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“BIG DATA ANALYTICS”

Date : 5th October 2020 to 10th October 2020

Date	Session Title	Key speakers	Timings
5 th October, Monday	Introduction to Big data analytics	Mr. Sai Bharath & Mr. SrujanDarsi	11:00 am to 1:00 pm
6 th October, Tuesday	Hadoop concepts and Architecture	Mr Sai Bharath	11:00 am to 1:00 pm
7 th October, Wednesday	Exploring Big data and communicating insights	Mr. Debayan Roy & Mr Sai Bharath	11:00 am to 1:00 pm
8 th October, Thursday	Big data analytics Life cycle (Tools used in analytics - Jupyter, GIT, Python and Pyspark)	Mr. Shreyans Sharma & Ms Divya Choudhary	11:00 am to 1:00 pm
9 th October, Friday	Big data analytics Life cycle (Concept of Sampling data, Use case)	Ms. Divya Choudhary & Mr. SrujanDarsi	11:00 am to 1:00 pm
10 th October, Saturday	Big data analytics in Industries	Mr. Jishnu Mukherjee & Ms. Divya Choudhary	11:00 am to 1:00 pm
	Lunch break		1:00 pm to 2:00 pm
	Big data analytics Way forward	Panelist discussion by all the key speakers	2:00 pm to 4:00 pm

LIST OF PARTICIPANTS OF CEP ON BIG DATA ANALYTICS

Date: 5th October to 10th October

S.no	Email ID	Name	Designation	Institute	Phone Number	Amount Paid
1	shahapurkar.shreya123@gmail.com	Shreya Shahapurkar	Student	R V institute of Management Bangalore	918867145075	Rs 100
2	darshang8892@gmail.com	Darshan G	Student	RVIM	7892744873	Rs 100
3	archanaanitha1@gmail.com	ARCHANA V	Student	R V Institute of Management	7204619153	Rs 100
4	bindupriyasmdc@gmail.com	Bindu Priya	Student	R V Institute Of Management	8123337714	Rs 100
5	bharathdvmurthy21@gmail.com	Bharath Kiran D V	MBA student	R V Institute of Management	7676423766	Rs 100
6	lathashree31@gmail.com	Lathashree S	Student	R V INSTITUTE OF MANAGEMENT	9741354577	Rs 100
7	tanzeelahmed395@gmail.com	Tanzeel Ahmed	Student	Rv institute of management Bangalore	9041652535	Rs 100
8	maheshas2694@gmail.com	Mahesha. S	Student	RV INSTITUTE OF MANAGEMENT	8861573232	Rs 100
9	amarnathpujarim@gmail.com	Amarnath P M	Student	Rv Institute of Manegement	918499957729	Rs 100
10	p.n.balajivasavi@gmail.com	B Vasavi	Student	RV institute of management	8904517892	Rs 100
11	sravanthitatineni04@gmail.com	Sravanthi T	Student	RV INSTITUTE OF MANAGEMENT	9632889669	Rs 100
12	chiraagm98@gmail.com	chiraag mallikarjun	Student	Rv Institute of Management	7349734948	Rs 100
13	vidyavenut@gmail.com	Vidya V T	Student	RV INSTITUTE OF MANAGEMENT	8494915915	Rs 100
14	sushmitharamanath@gmail.com	Sushmitha D.R	Student	RV institute of management	9740109400	Rs 100
15	udayravi9urk@gmail.com	UdayaRaviKanth KV	MBA	RV Institute of Management	0	Rs 100

16	abhaypai2919@gmail.com	ABHAY PAI	STUDENT	RV INSTITUTE OF MANAGEMENT, BANGALORE	7483898039	Rs 100
17	chandhangowda.s@gmail.com	Chandhan S	Student	RV INSTITUTE OF MANAGEMENT	8073836728	Rs 100
18	viveka.696a@gmail.com	Viveka R	3rd semester student	Rvim	9620386669	Rs 100
19	shrihari1411@gmail.com	Shrihari V		R V Institute of Management	9741534648	Rs 100
20	kambhamharshitha81@gmail.com	Kambham Harshitha	Student	R V Institute of Management	8639161263	Rs 100
21	arunbhat.bhat@gmail.com	Arun Raveendra Bhat	Student	R V Institute of Management	8277612604	Rs 100
22	tejashreebhat0027@gmail.com	Tejashree bhat	MBA	R V institute of management, Bangalore	9482186292	Rs 100
23	shubham29398@gmail.com	Shubham Basavaraj Beesanakoppa			9482551864	Rs 100
24	bganapati6@gmail.com	Ganapati Janardhan Bhat	Student	R V Institute of Management	8150906458	Rs 100
25	4090krishna12@gmail.com	Rashmi	Student	Rvim Bangalore	8105963102	Rs 100
26	sagardesai4118@gmail.com	Sagar M. Desai	Student	RV Institute of Management, Bangalore	9972995904	Rs 100
27	bharath.mr26@gmail.com	Bharath Gowda M R	Student	R V Institute of Management	8553217632	Rs 100
28	tejashwini.shivu29@gmail.com	Tejashwini S	MBA	RV Institute of Management	9945727583	Rs 100
29	priyankamurthyv29@gmail.com	Priyanka V Murthy	Student	RV Institute of Management	9591779785	Rs 100
30	krishnaprasadk14@gmail.com	K Krishnaprasad	MBA	RV Institute of Management	9980142634	Rs 100
31	pranav007hpt@gmail.com	Pranav Pramod Kumar	Student	R V INSTITUTE OF MANAGEMENT	9740412804	Rs 100
32	shashikiranbuddy@gmail.com	Shashi kiran	Student	Rv Institute Of Management	919632808787	Rs 100
33	poornimapatil916@gmail.com	Poornima	Student	RV Institute of Management, Bengaluru	8971575309	Rs 100
34	nbgowtami.naik18@gmail.com	N B Gowtami	Student	RV Institute of Management	8861821518	Rs 100

35	akshay8277@gmail.com	Akshay kumar	Student	RV INSTITUTE OF MANAGEMENT	8660639327	Rs 100
36	rakshithbhat987@gmail.com	RAKSHITH P S	MBA	R V INSTITUTE OF MANAGEMENT BANGALORE	9611293249	Rs 100
37	preetibthite@gmail.com	Leelavati B Thite	Student-RVIM	RV Institute of Management	7204334809	Rs 100
38	smeetapatil07@gmail.com	Smeeta Patil	Student	R V Institute of management, Bengaluru	7259816967	Rs 100
39	tahsinhadalge98@gmail.com	Tahsin Hadalge	Student	RV institute of management	7204739139	Rs 100
40	amoghnimbargi@gmail.com	Amogh N	Student	RV Institute of management	919449281604	Rs 100
41	sandeshbhatsmp@gmail.com	Sandesh Bhat	Student	RVIM	9008811647	Rs 100
42	darshant8762@gmail.com	Darshan Toolahalli	MBA	RV Institute of Management	8762708874	Rs 100
43	deenakrishna97@gmail.com	Deena k	Student	RV institute of Management	9844245971	Rs 100
44	pashasif30@gmail.com	Syed Asif Pasha	Student	R V Institute Of Management	7019048592	Rs 100
45	abhisheklakkundi@gmail.com	Abhishek VL	Student	R V Institute of management	8867919357	Rs 100
46	lingrajpatil999@gmail.com	lingraj Patil	Student	RV	7892638350	Rs 100
47	chaitrahiregowdara@gmail.com	Chaitra Hiregowdara	Student	RV Institute of Management	9148468600	Rs 100
48	sushbhat101098@gmail.com	Sushma Bhat K	Student	RV Institute Of Management	7795043804	Rs 100
49	abhi100joshi@gmail.com	Abhishek Jagadish Joshi	Student	R V Institute of Management	9742368988	Rs 100
50	poojampatil36@gmail.com	Pooja mallappa patil	Student	Rv Institute of management banglore	9663012603	Rs 100
51	trivenicherukuri1@gmail.com	cherukuri triveni	student	Rvim	8431600479	Rs 100
52	salu2230@gmail.com	Salman pasha	Student	RVIM	8618774474	Rs 100
53	deekshak1198@gmail.com	Deeksha K	Student	RV Institute of Management	9731549911	Rs 100
54	supchatni@gmail.com	Suprita S Chatni	Student	R V Institute Of Management	6362759914	Rs 100
55	timmareddy834@gmail.com	Timmareddy	Student	RV Institute Of Management Bangalore	8746006146	Rs 100

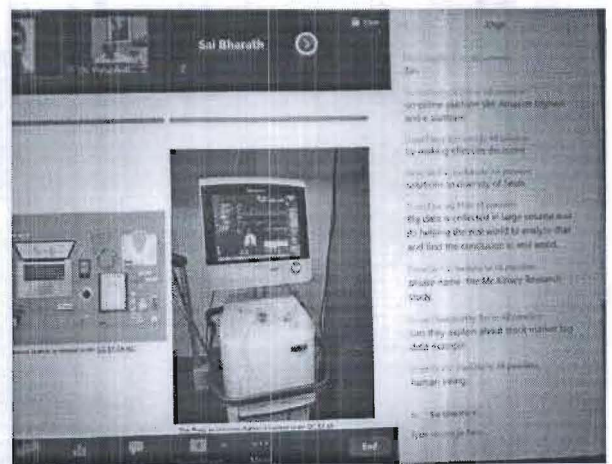
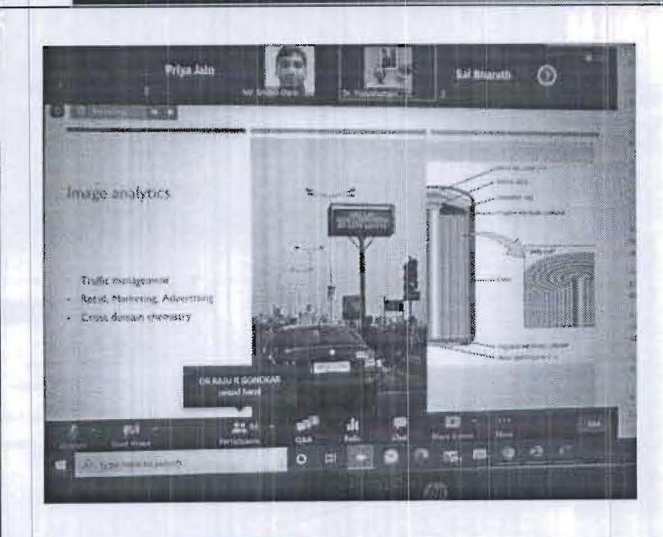
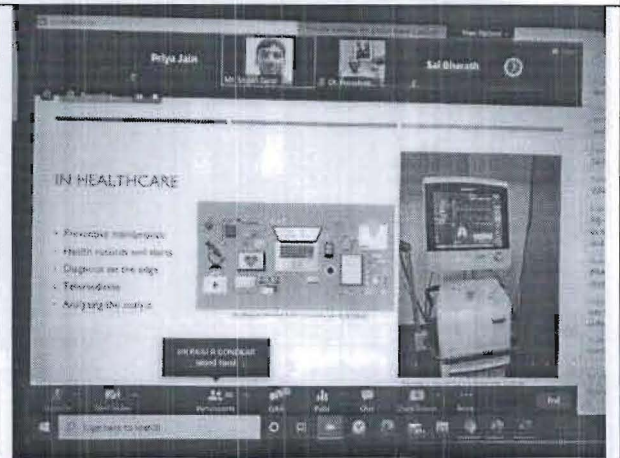
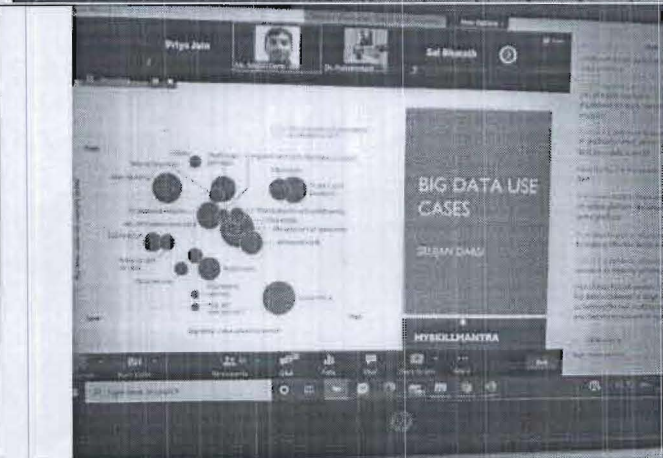
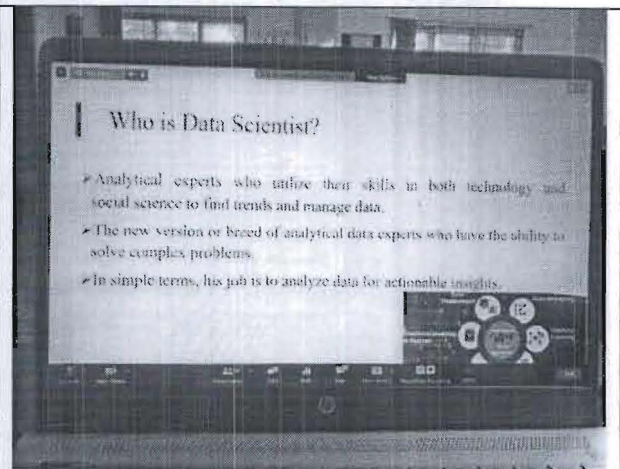
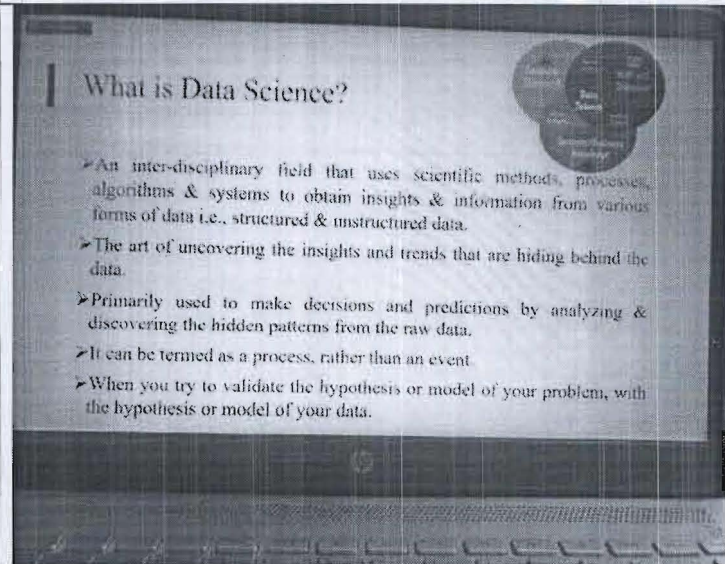
56	suganravi36@gmail.com	Sugan G R	Student	R v Institute of management	8610835688	Rs 100
57	muzz007shaik@gmail.com	Muzammil Rihan	Student	RV INSTITUTE OF MANAGEMENT	8073626891	Rs 100
58	harshandas7@gmail.com	Harsha Nagaraj Das	Marketing and Business Analysis	RVIM	9972599305	Rs 100
59	divyamugadur@gmail.com	Divya Mugadur	Student	RVIM	9845972114	Rs 100
60	chetanvijay98@gmail.com	Chetan Vijay	Marketing & BA	RVIM	8884067776	Rs 100
61	gowthamsm444@gmail.com	Gowtham S M	Student	R V Institute of Management	9482444773	Rs 100
62	meghanartgowda8@gmail.com	Meghana R T	Student	RVIM	7353995851	Rs 100
63	infocvs4@gmail.com	Jitendra CVS	Student	PBSC	7337349735	Rs 200
64	mridulkarnika2212@gmail.com	Karnika Mridul	Master of Business Administration		7903639237	Rs 200
65	preethamhn.n20@gmail.com	Preetham H N	To learn about big data	Seshadripurum college bangalore	7349377259	Rs 200
66	shriji.patil@gmail.com	Shriraksha S Patil	Student	Rotary School Navanagar Hubli	9900409419	Rs 200
67	sukhamromen@yahoo.co.in	Sukham Romen Singh	MCA Student	NG College	7005358708	Rs 200
68	nehahr.arora@gmail.com	Pranshik Arora	Student	Fore School of Management	7428228692	Rs 200
69	sushmakamath16@gmail.com	Sushma Kamath	Student	RV Institute of Management	7353180581	Rs 200
70	srinidhibk58@gmail.com	Srinidhi BK	Student	RV Institute of Management	9900816573	Rs 200
71	sahanagaonkar1997@gmail.com	Sahana S Gaonkar	Student	Rv institute of management	9483132313	Rs 200
72	kkirthan@gmail.com	Kirthan	Student	RV Institute Of Management	8861586373	Rs 200
73	prinsondlima123@gmail.com	Prinson Dlima	Student	RV Institute of Management	7406984706	Rs 200
74	drinyachandrank@gmail.com	Drinya K Chandran	MBA	RVIM	919739175649	Rs 200
75	rachanahgowda1998@gmail.com	Rachana H Gowda	Student	RV institute of management	8317371816	Rs 200
76	sujatha.99601@gmail.com	D.Sujatha	Student	Sri Muthukumaran Institute of Technology	8825615240	Rs 200

77	seeeromai@gmail.com	RAMALINGAPPA B S	Student	Seshadripuram College	9739113877	Rs 200
78	shivukumarshivu151@gmail.com	Shivu kumar k	Student	Sheshadripuram main college	8549095047	Rs 200
79	naveen.pol2007@gmail.com	Dr. Naveen Pol	Assistant Professor	Acharya Bangalore B-School	9739905518	Rs 500
80	vivekanands@rvce.edu.in	Vivekanand S Gogi	Assistant Professor	RV College of Engineering	9449624424	Rs 500
81	jhakundan051@gmail.com	Kundan Kumar Jha	Research Scholar	PRIST Deemed to be UNIVERSITY, Thanjavur	7094899109	Rs 500
82	reshmabhaskar26@gmail.com	Reshma.B	Asst.Professor	SJR college of Science, Arts and Commerce	7204024491	Rs 500
83	niharika1996shivu@gmail.com	Niharika S	Assistant professor	SJR College	9535723430	Rs 500
84	saiyashu23@gmail.com	Yashaswini.S	Assistant professor	SJR College of Science, Arts and Commerce	8095794281	Rs 500
85	principal@dsba.edu.in	Dr(Brig)Sandes	Principal	Dayananda Sagar Business Academy	9980922121	Rs 500
86	hod@dsba.edu.in	Nikitha Sreekantha	HOD - DSBA	Dayananda Sagar Business Academy	9886434746	Rs 500
87	kssubashmails@gmail.com	K S Subash	Asst. Professor	Brindavan College	9740488557	Rs 500
88	meera.seshanna@gmail.com	Meera	assistant professor	dayananda sagar business academy	9945713353	Rs 500
89	radhi3sree@yahoo.co.in	Dr.P.V.Radhika	Assistant Professor	GDC Pamarru	9849449735	Rs 500
90	digneshpanchasara@gmail.com	Dignesh Shaileshbhai Panchasara	Assistant Professor	Rai University	7874122777	Rs 500
91	surjit.mei@gmail.com	Khumanthem Surjit Meetei	Faculty	Delta Advance School	918787349101	Rs 500
92	brmn47gsch@gmail.com	Basavaraju MN	Principal	SJR College of Science, Arts and Commerce	9481953596	Rs 500
93	sumangalatalur@yahoo.com	Sumangala Talur	Associate professor	Adarsh Institute Of management and information technology	9740119585	Rs 500
94	guruduttshenoy@gmail.com	Gurudutt Shenoy	Adjunct faculty	RVIM	9591722825	Rs 500

95	crgopesh@gmail.com	Dr. C.R. Gopesh	Operations Manager	Aakash Group	9995432198	Rs 500
96	urdangarwala@gmail.com	Dr. Umesh R. Dangarwala	Associate Professor	The Maharaja Sayajirao University of Baroda	9824019199	Rs 500
97	profkhaja@gmail.com	KHAJA MOHINUDEEN J	Lecturer	Smt. Allum Sumangamma Memorial College for Women, Ballari	9449717652	Rs 500
98	sanjay.n16@gmail.com	Sanjay Nagtode	Research Fellow	NITIE Mumbai	9833220792	Rs 500
99	Divyateja2007@gmail.com	Divya Teja	Research Scholar	Osmania University	9550368730	Rs 500
100	rrgondkar@gmail.com	DR RAJU R GONDKAR	PROFESSOR	SAINT GEORGE COLLEGE	9341101680	Rs 500
101	chandrika14krishnan@yahoo.in	CHANDRIKA KRISHNAN		BNM INTSTITUTE OF TECHNNOLOGY	9632684691	Rs 500
TOTAL AMOUNT						Rs 20900

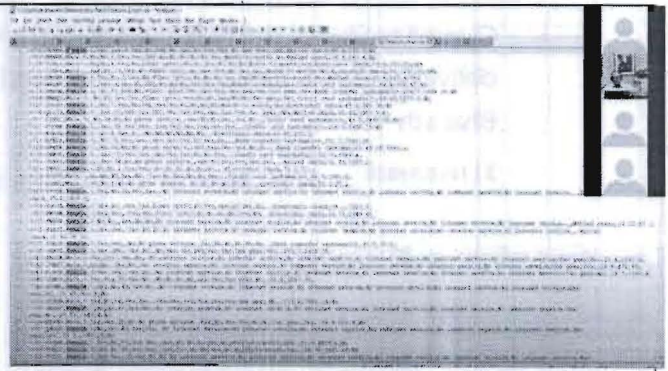
Annexure 5

Photo Gallery



HOW BIG IS IMAGE ANALYTICS?

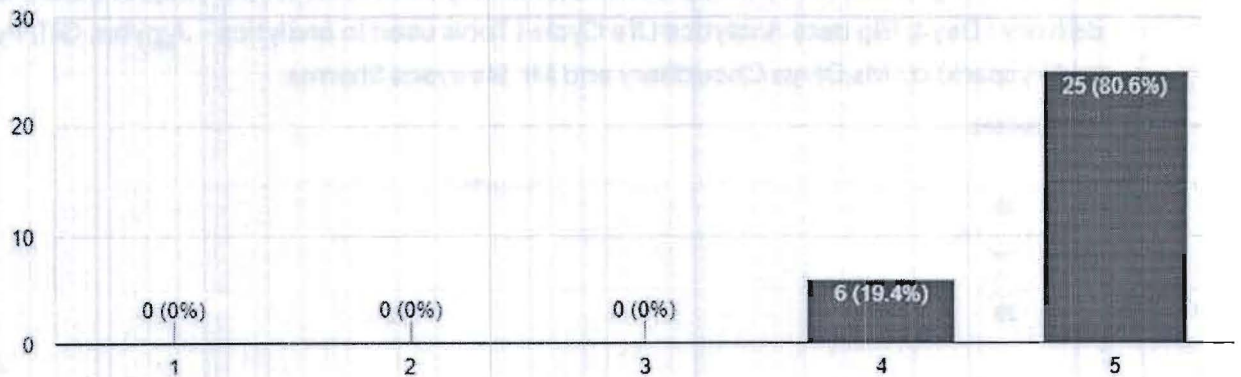
- 80% of the unstructured data that is generated in the form of images and objects
- Where is Image Data Generated?
 - Healthcare
 - Travel/Tourism
 - Social Media/ Smart phones
 - Autonomous Driving
 - Retail
 - Architecture
 - Product Design
 - Sports
 - Form Data (generated in Financial Institutions, Government Institutions etc.)
 - Scientific Applications (molecular biology, chemometrics etc.)



Annexure 6 Detail Feedback

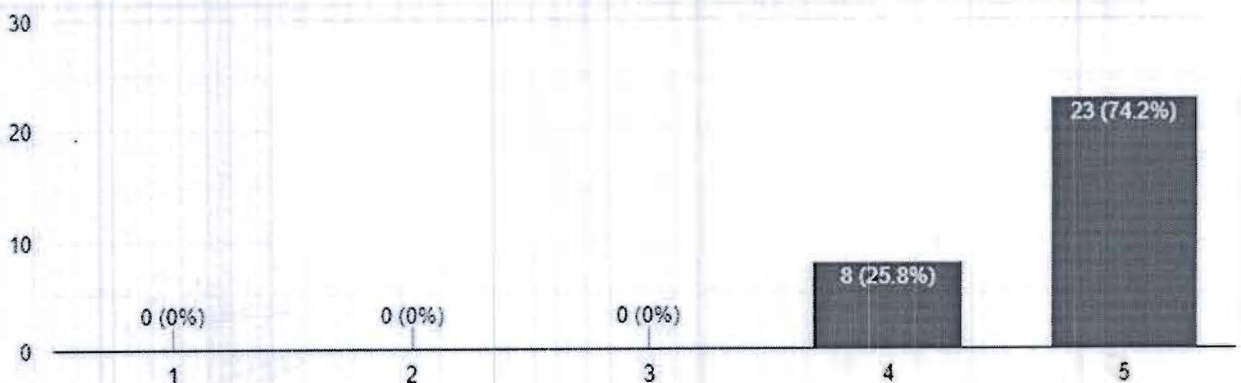
Overall rating of the resource persons considering command on the subject matter and delivery : Day1 : Introduction to Big Data Analytics by Mr. SrujanDarsi and Mr.Sai Bharath

31 responses



Overall rating of the resource person considering command on the subject matter and delivery : Day2 : Hadoop Concepts and Architecture by Mr.Sai Bharath

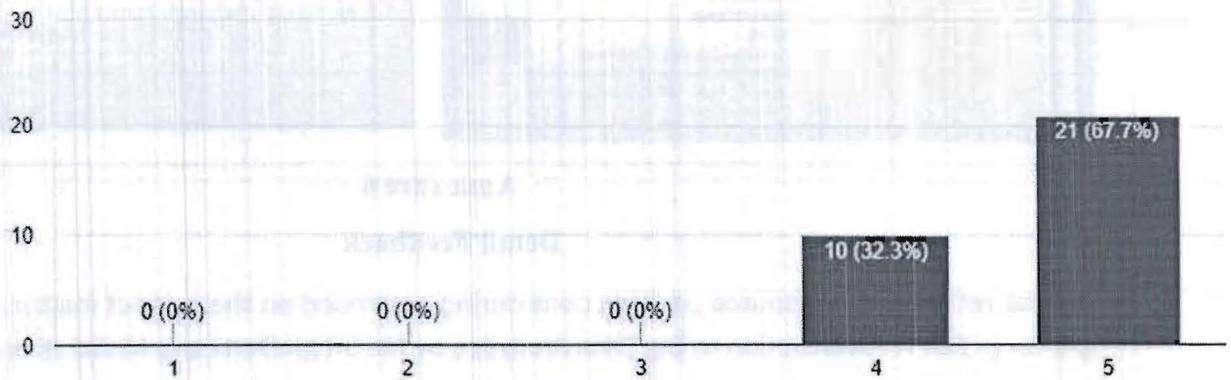
31 responses



Overall rating of the resource persons considering command on the subject matter and delivery : Day3 : Exploring Big data and communicating insights Ms.Debayan Roy and Mr.Sai Bharath

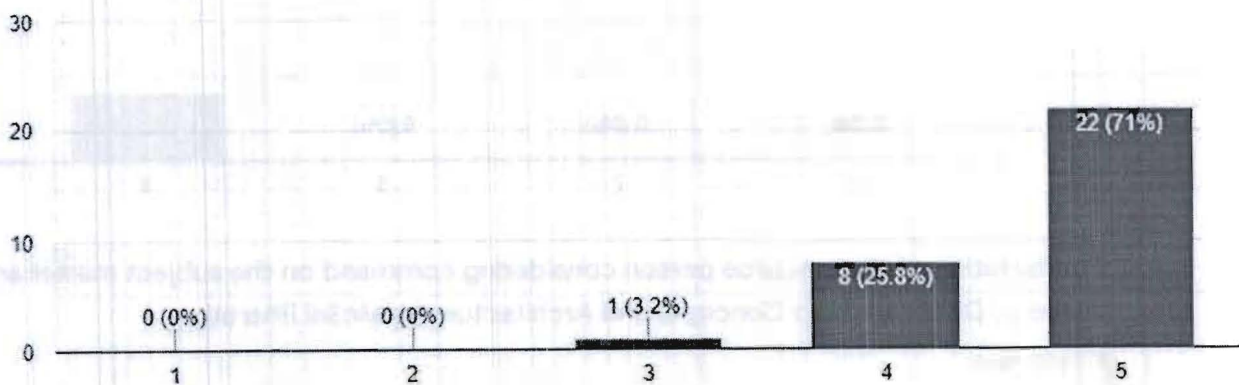


31 responses



Overall rating of the resource persons considering command on the subject matter and delivery : Day4: Big data Analytics Life Cycle (Tools used in analytics - Jupyter, GIT, Python and Pyspark) by Ms.Divya Choudhary and Mr. Shreyans Sharma

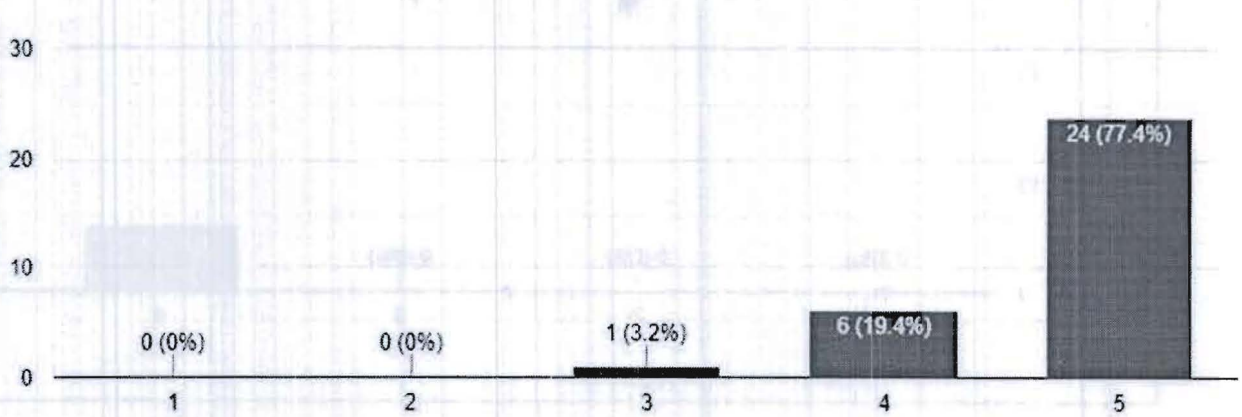
31 responses



Overall rating of the resource persons considering command on the subject matter and delivery :Day5: Big data analytics Life Cycle(Concept of Sampling data,Use case by Ms.Divya Choudhary and Mr. SrujanDarsi

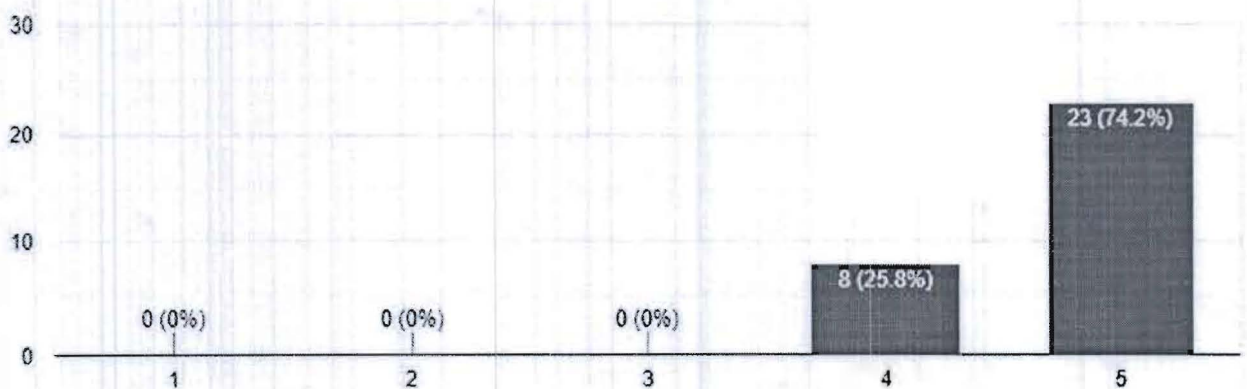


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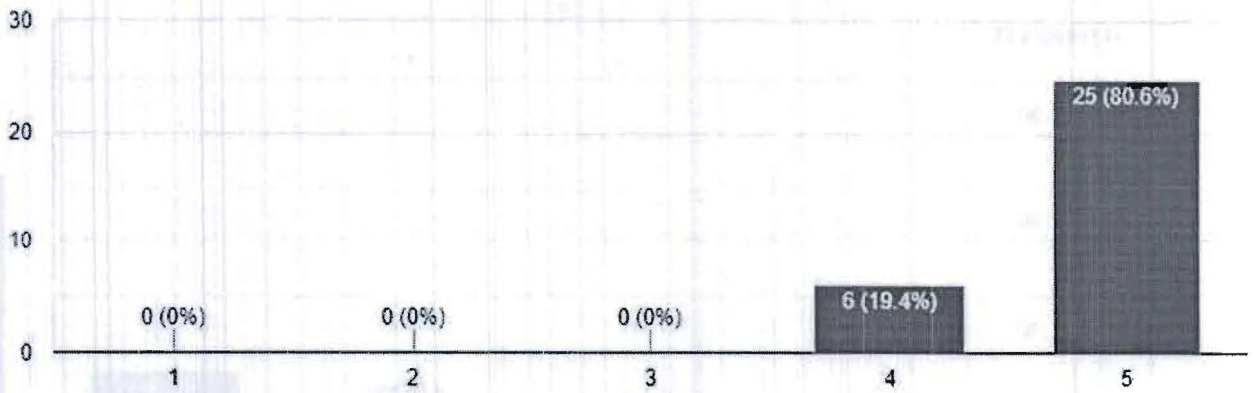
Overall rating of the resource persons considering command on the subject matter and delivery :Day6: Big data analytics in Industries by Ms.Divya Choudhary and Mr. Jishnu Mukherjee

31 responses



Overall rating on conduct of Continuing Education Program on : "Big Data Analytics"

31 responses



DETAILED AGENDA FOR THE CEP ON BIG DTA ANALYTICS

Date: 5th October to 10th October 2020

Time: 11 am to 1 pm

Date	Day Name	Module Name	Speaker/Trainer	Estimated Time (mins)
5 October	Day 1: Introduction to Big data analytics	Opening note on the webinar programme and importance of Big data analytics	RV team/Dr.Bung	10
		What is Data science? Who is a data scientist? Who is a big data scientist?	Sai Bharath	15
		Big data powered Data Science (5Vs etc)		15
		Illustration of speed/size in big data vs Traditional set-up		15
		Big data powered Data Science - Illustration	Srujan	15
		Overview of some Industry use cases - Data science with Big data in Marketing, Data Science with Big data in Finance/Ecommerce, Sentiment analysis		20
6 October	Day 2: Hadoop concepts and Architecture	Hadoop Architecture overview	Sai Bharath	5
		Storage systems in Big data vs SQL		15
		Map Reduce concept and Illustration		20
		Concepts and Working with HIVE		30
		Architecture - End to end		20
7 October	Day 3: Exploring Big data and communciating insights	Exploratory Data Analysis (EDA) in Big data	Sai Bharath	15
		Map Reduce Illustration in Depth for a EDA task		15
		Pre Processing/Data Preparation	Debayan Roy	30
		Data Insight communication - Industry use case		30
8 October	Day 4: Big data analytics Life cycle	Tools used in analytics - Jupyter, GIT, Python and Pyspark	Divya	30
		Analytics methodology		30
		Image analytics - Industry use case	Shreyans	30
9 October	Day 5: Big data analytics Life cycle	Concept of Sampling data, Use case	Divya	45
		Fraud analytics - Industry use case	Srujan	45
10 October	Day 6: Big data analytics in Industries (11-1)	Dealing with unstructured data, use case	Divya	45
		Sentiment analysis	Jishnu	45
	Big data analytics Way forward (2-4)	Keynote, Moderator	RV team/Dr.Bung	10
		Panel Discussion - each speaker 15 mins for her/his topic	Dr. Bung, Divya, Jishnu, Srujan	70
		Closing note	RV team/Dr.Bung	10



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Certificate of Participation

This is to certify that,

CHANDRIKA KRISHNAN

has successfully participated in the One Week Continuing Education Program on “Big Data Analytics” organized by R V Institute of Management, Bangalore, from 5th to 10th October, 2020.

Dr. Purushottam Bung
Professor and Director
R V Institute of Management