

2017-18 Academic Year

S.NO	Name of the value added courses (with 30 or more contact hours) offered	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
1	IBM-Data Analytics	22.8.2017	1	30	45	41
2	IBM-Cipher Security	22.8.2017	1	30	68	65
3	Python Programming	18.9.2017	1	30	134	130
4	Data Science	5.2.2018	1	30	123	121
5	Data Acquisition in IoT	19.2.2018	1	30	81	78

Course Name: IBM Data Analytics

Faculty In charge: Mr.Saravanan

Course Duration: 30 Hours

Course Start Date: 22.8.2017

No of Students Registered: 45

No of Students Completed: 41



SATHYABAMA UNIVERSITY
(Established under Section 3 of the UGC Act, 1956)
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**DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES**

**DATA ANALYTICS
TRAINING PROGRAM IN
ASSOCIATION
WITH IBM**

Date

**From: 22/08/2017
To: 25/10/2017**

REGISTRATION LINK:

shorturl.at/eBFR9

CONTACT:

Mr.Saravanan, Department of IT

Course Contents

Big Data Analytics

Week 1 **4 Hrs**

What Is Big Data, Volume, Velocity, and Variety; Why It's Important, Risks of Big Data, Need of Big Data, Structure of Big Data; Exploring Big Data, Filtering Big Data, The Need for Standards; Big Data and Analytics, Adoption Architecture, Benefits & Barriers, Trends for Big Data Analytics

Week 2 **4 hrs**

Hadoop Architecture, Hadoop File System (HDFS); HDFS Administration; Map / Reduce concepts; Setup of an Hadoop Cluster; Managing Job Execution; move data into Hadoop using Flume, Data Loading; Overview of workflow engine

Week 3 **4 Hrs**

Jaql basics, Jaql data types, Input/output with Jaql, working with operators and expressions, Use of Pig & Hive

Week 4: **4 Hrs**

Hadoop Reporting and Analysis, Approaches to Big Data reporting and analysis, Big Data Access Technologies for Reporting and Analysis

Week 5: **4 Hrs**

Business Intelligence and Hadoop Architecture, Direct Batch Reporting on Hadoop, Live Exploration of Big Data, Indirect Batch Analysis on Hadoop

Week 6 : **4 Hrs**

Analytics for Big Data at Rest & in Motion, Data Stream overview; Streams Processing Language Basics; Streams Processing Language Development; SPL Programming Introduction; Adapter Operators; Relational and Utility Operators .

Week 7 **4 Hrs**

The Journey Begins; Relational and Utility Operators (continued) ; Windowing and Joins ; Punctuation, aggregation and Sorting

Week 8: **4 Hrs**

Timing and Coordination ; Lists, Sets, and Maps ; Nodes and Partitions ; Debugging; Adapters and Toolkits

List of Enrolled Students

S.No	Reg.No	Roll.No	Name
1	3612001	16SIT501	ABHINANDAN KUMAR
2	3612002	16SIT947	ABHISHEK OMAR
3	3612003	16SIT951	ABINAYA. R
4	3612004	16SIT503	ABISEK. K
5	3612005	16SIT584	ADARSH
6	3612007	16SIT933	AJAY. S
7	3612010	16SIT001	AKASH. U
8	3612012	16SIT504	AKHIL. K
9	3612013	16SIT929	AKSHAYA. P
10	3612107	16SIT935	KUMAR SATYAM
11	3512001	15SIT102	AATISHA CYRILL
12	3512003	15SIT801	ABINAYA. K
13	3512004	15SIT103	ABINAYABHARATHI. A
14	3512005	15SIT951	ABIRAMI. D
15	3512006	15SIT503	ADITYA RAJ
16	3512008	15SIT553	AKHILESH. S
17	3512009	15SIT802	AKILA SRIMATHI. P. T
18	3512010	15SIT104	ALAMPALLY PRANIDEEP
19	3512012	15SIT952	AMSAVALLI. P
20	3512013	15SIT505	ANANT ANAND
21	3512014	15SIT506	ANINDYA KAR CHOUDHURY
22	3512015	15SIT828	ANKITA RAKSHIT
23	3512016	15SIT914	ANTARA DEBNATH
24	3512020	15SIT966	ASHWATHI. V
25	3512021	15SIT548	AVINASH PRAJAPATI
26	3512022	15SIT803	AYSHWARYA. S
27	3512023	15SIT107	BABLOO KUMAR
28	3512024	15SIT155	BALAMURUGAN. S
29	3512025	15SIT508	BALINA PRUDHVI
30	3512026	15SIT139	BANA SURESH KUMAR REDDY
31	3512027	15SIT953	BEAUTY
32	3512028	15SIT108	BETHALA SONIYA
33	3512030	15SIT543	BINU. P
34	3512031	15SIT109	CHAGANTI SRINIVAS
35	3512032	15SIT552	CHALLA SIVA SAI KALYAN
36	3512033	15SIT112	DEEP ACHARJEE
37	3512034	15SIT967	DENISA. A
38	3512035	15SIT555	DESAI SAI ASRITH

39	3512036	15SIT511	DEVARAJAN. K
40	3512039	15SIT113	DODDA SAI KRISHNA
41	3512041	15SIT147	GAJULA VENKATA PHANEENDRA
42	3512042	15SIT832	GARIMA
43	3512043	15SIT901	GOBINATH. M
44	3512049	15SIT513	GUDURU SREEHARI
45	3512050	15SIT514	GUNNAM VEERA VENKATA RAJESH



This is to certify that

KUMAR SATHYAM

Has attended and successfully completed the Course on

INTRODUCTION TO BIG DATA ANALYTICS

Conducted by the IBM ICE Team at

***SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY,
(Deemed to be University) CHENNAI, INDIA***

2016 – 2020 (Information Technology)

Batch & Department

Hari R,

Business Development & Relationship Manager,
IBM Innovation Centre for Education,
Systems Lab Services, IBM India Pvt. Ltd

For verification please contact - icedeliv@in.ibm.com

Course Name: IBM Cyber Security

Faculty In charge: Mrs.Vimali

Course Duration: 30 Hours

Course Start Date: 22.8.2017

No of Students Registered: 68

No of Students Completed: 65



SATHYABAMA UNIVERSITY

(Established under Section 3 of the UGC Act, 1956)
Declared as Category 'A' University by MHRD, Govt. of India
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119, India.



**DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES**

CYBER SECURITY TRAINING PROGRAM IN ASSOCIATION WITH IBM

Date

**From: 22/08/2017
To: 25/10/2017**

REGISTRATION LINK:

shorturl.at/eBFR9

CONTACT:

Mrs.Vimali, Department of IT

Course Contents

- Week 1** **4 Hrs**
Confidentiality, Integrity & Availability, what is Information Security? Identification and Authentication, Authorization and Access Control, Auditing and Accountability
- Week 2** **4 Hrs**
Modern Cryptography Tools, Protecting Data at rest, In motion, And In Use, Origins Of Operations Security, The Operations Security Process, Laws Of Operations Security, Operations Security in our Personal Lives
- Week 3** **4 Hrs**
Introduction, Physical Security Controls, Protecting People, Data and Equipment. Protecting Networks, Protecting Network Traffic. Network Security Tools
- Week 4** **4 Hrs**
Operating System Hardening, Protecting Against Malware, Software Firewalls and Host Intrusion Detection, Operating System Security Tools, Software Development Vulnerabilities, Web Security, Database Security, Application Security Tools.
- Week 5** **4 Hrs**
Change and Security Implications, System Models, Targets and Methods, Log Management, Data Aggregation and Reduction, Notifications and Reporting, Monitoring and Control Challenges, Auditing Standards, SAS 70 Audits, Sarbanes -Oxley, Addressing Multiple Regulations for Information Security Technical Frameworks for IT Audits, Intelligence and Compliance, Management and Governance.
- Week 6** **4 Hrs**
Introduction, Data breach, Identity Theft, Bank fraud Physical or Digital theft (Stolen laptops, removable media, impersonation), Malware, SQL Injection, Dumpster diving, Phishing and Pre -Phishing, Denial of Service attack, Social Engineering
- Week 7** **3 Hrs**
Introduction, Disk Encryption, Hardware based mechanisms for protecting data, Backups, Data masking, Data Erasure
- Week 8** **3 Hrs**
Input Validation - Buffer overflow; cross-site scripting; SQL injection; canonicalization, Sensitive information, Access sensitive data in storage; network eavesdropping; data tampering , Network eavesdropping; Brute force attack; dictionary attacks; cookie replay; credential theft , Elevation of privilege; disclosure of confidential data; data tampering; luring attacks; Phishing

List of Enrolled Students

S.No	Reg.No	Roll.No	Name
1	3412003	14SIT164	ADITYA SHANKAR
2	3412004	14SIT175	AJAY GUPTA
3	3412009	14SIT618	AKSHAY TIWARI
4	3412011	14SIT304	AKSHAYA R
5	3412013	14SIT632	ANDENA SONIA
6	3412019	14SIT106	ASHISH ANAND
7	3412023	14SIT637	BADRI VISHAL S
8	3412026	14SIT167	BOTTA DINESH
9	3412031	14SIT610	CHOWDAM SAIKIRAN
10	3412033	14SIT616	DASARI RAKESH
11	3412034	14SIT309	DEBALIKA CHATTERJEE
12	3412037	14SIT359	DEEPSIKHA SAHA
13	3412038	14SIT356	DEVI SINDUJA V
14	3412040	14SIT111	DIVVELA THARUN
15	3412041	14SIT617	DIVYASHREE R
16	3412045	14SIT348	EZHIL PRIYA B
17	3412046	14SIT357	GOWTHAMI G
18	3412048	14SIT158	GAJJALA VEERA SUDHAKARREDDY
19	3412050	14SIT312	GANTA JWALA VIDYA SREE
20	3412051	14SIT604	GAYATHRI S
21	3412052	14SIT355	GAYATHRI S
22	3412054	14SIT313	GLADIA LIDIA RANJITHAM A
23	3412056	14SIT114	GUNAA JOTHILINGAM M
24	3412058	14SIT115	GURU PRAKASH REDDY V
25	3412060	14SIT503	HARISH KRISHNAN R
26	3412062	14SIT641	K HEMANTH KUMAR
27	3412064	14SIT117	JAGADISH H
28	3412065	14SIT319	JAITHOONNISHA A
29	3412067	14SIT119	JEBAS EBANAZER I B
30	3412069	14SIT351	JENIFA ANNIE A
31	3412070	14SIT352	JENILA JOSME J
32	3412072	14SIT145	SHYAM PRAKASH REDDY K
33	3412073	14SIT342	TEJASWINI K
34	3412076	14SIT321	KAZA YASHASWINI RAVISANKAR
35	3412077	14SIT322	KEERTHI V S
36	3412078	14SIT638	KEERTHIPATI VANDANA
37	3412079	14SIT323	KELITA KATYLIN J B
38	3412080	14SIT122	KHAN AFZAL AYUB
39	3412083	14SIT609	KONDLE DIVYAPRIYA
40	3412086	14SIT634	SESHA MANAS
41	3412091	14SIT660	GAYATHRI PRATHYUSHA LAKHIMSETTY
42	3412092	14SIT655	LAKKIMSETTY JAGRUTHI HYMA
43	3412093	14SIT125	LIJO JOY
44	3412094	14SIT126	LOKESH KUMAR B
45	3412095	14SIT554	MD AMIR
46	3412096	14SIT144	SANTHOSH M
47	3412097	14SIT127	MADHUMAY KUMAR
48	3412100	14SIT629	MALEPATI GHANA MEGHANA
49	3412101	14SIT360	KUSUMA KAVYA MALLEMALA
50	3412102	14SIT553	MANIMEGALAI S
51	3412103	14SIT363	MANNAM NIKITHA
52	3412106	14SIT607	MD SHAHZAD ALAM
53	3412107	14SIT642	MEHAN TAJ P

54	3412108	14SIT651	MOHIT KUMAR SINGHAL
55	3412110	14SIT161	MRIGANK SINHA
56	3412113	14SIT131	NAIDU SANTOSH KRISHNA VENKATESHWARLOO
57	3412114	14SIT644	NALLA LAKSHMI MANJUSHA
58	3412115	14SIT657	NARJALA NARASIMHULU
59	3412116	14SIT326	NARMATHA V
60	3412117	14SIT626	VENKATA LOKESH NARSEPALLI
61	3612014	16SIT029	ALDRIN ADOLPHOUS
62	3612017	16SIT942	ALOK AGNIHOTRI
63	3612018	16SIT926	AMAN ANAND
64	3612019	16SIT938	AMIRTA. R
65	3612020	16SIT928	AMIT KUMAR JHA
66	3612021	16SIT952	ANANDH. B
67	3612022	16SIT505	ANIRBAN DATTA ROY
68	3612161	16SIT572	SAKHAYADEEP NATH



This is to certify that

SAKHAYADEEP NATH

Has attended and successfully completed the Course on

INTRODUCTION TO INFORMATION SECURITY FUNDAMENTALS

+

IT DATA AND APPLICATION SECURITY

Conducted by the IBM ICE Team at

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY,
(Deemed to be University) CHENNAI, INDIA

2016 – 2020 (Information Technology)

Batch & Department

For verification please contact - icedeliv@in.ibm.com

Hari R,
Business Development & Relationship Manager,
IBM Innovation Centre for Education,
Systems Lab Services, IBM India Pvt. Ltd

Course Name: Python Programming

Faculty In charge: Mrs.Gomathi

Course Duration: 30 Hours

Course Start Date: 18.9.2019

No of Students Registered: 134

No of Students Completed: 130



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**DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES**

TRAINING COURSE ON PYTHON PROGRAMMING

Date

**From: 18/09/2017
To: 11/11/2017**

REGISTRATION LINK:

shorturl.at/vwyAX

CONTACT:

**Mrs.Gomathi
Department of IT**

Course Contents:

Week 1:	4 Hrs
Program structure Environment Setup, Loops and Decision Making, Functions	
Week 2:	4 Hrs
Python Modules and Packages, Framework vs Packages, Folium Introduction ,Importing modules	
Week 3:	4 Hrs
The import Statement , The from...import Statement , The from...import , Statement	
Week 4:	4 Hrs
Python GUI , Basic Operations using Tkinter , Buttons and Textbox	
Week 5:	4 Hrs
Menu Bar , Message Box and Radio Button , Checkbox and Event Creation	
Week 6:	4 Hrs
Creating Application in GUI SQL and Python , Overview of SQLite , Integrating Python with SQLite	
Week 7:	3 Hrs
Advanced Concept – Overviews , Basics of Pandas and Numpy, How to use Anaconda	
Week 8:	3 Hrs
How to create dashboard , Overview of Django framework and its components	

List of Enrolled Students

S.No	Reg.No	Roll.No	Name
1	37120001	17SIT535	AAGASH T
2	37120002	17SIT818	ABHINASH KUMAR
3	37120003	17SIT536	ABISHEK S
4	37120004	17SIT009	AKASH R N
5	37120005	17SIT501	AKASSH P
6	37120006	17SIT502	AKSHAY ADITH R
7	37120007	17SIT018	AKSHAYA V
8	37120008	17SIT503	ANAND KUMAR RANJAN
9	37120009	17SIT504	ANIRUDH SRINIVAS G N
10	37120010	17SIT901	APARNA G
11	37120011	17SIT533	ASWIN J RICHARDS
12	37120012	17SIT505	BALAJI S
13	37120013	17SIT001	BATHULA SOWMYA REDDY
14	37120014	17SIT802	BENSON JOEL B
15	37120015	17SIT902	BHARATHI R
16	37120016	17SIT002	BURRI.JANAKI RAM REDDY
17	37120017	17SIT803	CHRISTINA STEFFI F
18	37120018	17SIT921	DANIEL N
19	37120019	17SIT813	DEEBIKA S
20	37120020	17SIT817	DEEPIKA M
21	37120021	17SIT903	DEWASHISH KUMAR
22	37120022	17SIT816	DHINESH KUMAR Y
23	37120023	17SIT506	DINESHMANJU R
24	37120024	17SIT507	DIVYA BARATHI T
25	37120025	17SIT904	DIVYA S
26	37120026	17SIT003	EMMANUEL CHARLES S
27	37120027	17SIT905	GAYATHRI K S
28	37120028	17SIT508	HARISH M
29	37120029	17SIT819	HARSH GUPTA
30	37120030	17SIT814	HIMANGSHU RANJAN CHANGMAI
31	37120031	17SIT509	IMMANUEL STANLEY S
32	37120032	17SIT510	IYER PRIYA ESWAR PADALEESWARAN
33	37120033	17sIT534	JAGANNATHAN S
34	37120034	17SIT532	JAYA RASIKA J
35	37120035	17SIT812	JENILA J
36	37120036	17SIT531	JITHIN ABHISHEK FERNANDO J
37	37120037	17SIT811	JONNALAGADDA GOUTHAM KUMAR
38	37120038	17SIT511	KARTHICK S
39	37120039	17SIT512	KAVIYA V
40	37120040	17SIT906	KEERTHIVASAN E
41	37120041	17SIT513	KISHORE M M
42	37120042	17SIT907	LOGESWARAN R
43	37120043	17SIT514	MADHUMITHA CHANDRASEKAR
44	37120044	17SIT005	MOHAMED AYMAN LATHEEF M
45	37120045	17SIT006	MOHAMED MUDASSIR SALEEM
46	37120046	17SIT019	MOHAMMAD HABIB MEMON
47	37120047	17SIT805	MOHAMMED SALMAN
48	37120048	17SIT908	MOHANA PRIYA R
49	37120049	17SIT516	MURUGADOSS R
50	37120050	17SIT909	MUTHUMULA SREELATHA
51	37120051	17SIT517	NANDHITHA B
52	37120052	17SIT518	PADMASHRI R
53	37120053	17SIT007	PERNI SAI ASHIK
54	37120054	17SIT815	POLISHETTY UPENDHER RAO
55	37120055	17SIT008	PRASHANTHI NIHARIKA KASIREDDY

56	37120056	17SIT519	PUGAZHANTHI R
57	37120057	17SIT911	RAMYA U
58	37120058	17SIT806	RAVIKUMAR P
59	37120059	17SIT520	RENGANATHAN C
60	37120060	17SIT521	ROHIT KUMAR TIWARI
61	37120061	17SIT010	ROHITH VAMAKANTHAN
62	37120062	17SIT912	SALMAN
63	37120063	17SIT523	SARANYA SHREE S
64	37120064	17SIT011	SARAVANAN S
65	37120065	17SIT807	SAYED SAJID ALI
66	37120066	17SIT913	SELCIYA NAYAGAM M
67	37120067	17SIT914	SHALINI T
68	37120068	17SIT102	SHALINI S
69	37120069	17SIT915	SHANMUGAPRIYAN N
70	37120070	17SIT525	SIVAKUMAR G
71	37120071	17SIT013	SNEHA J
72	37120072	17SIT916	SOWMIYA K
73	37120073	17SIT917	SOWNDHARYA K
74	37120074	17SIT918	SUBHIKSHA C
75	37120075	17SIT527	SUPRIYA S
76	37120076	17SIT528	SURUTHI M
77	37120077	17SIT808	SYED MUBBASHIR NAJMUL
78	37120078	17SIT529	THAMIZHARASI M
79	37120079	17SIT015	VAISHNAVI D
80	37120080	17SIT809	VAJRAPU ULLAS
81	37120081	17SIT919	VARSHA M
82	37120082	17SIT810	VEDHANAYAKI R
83	37120083	17SIT014	VEMANA AKHILNEERAJ
84	37120084	17SIT910	VIJAY VINAYAK R
85	37120085	17SIT016	YALAMANCHILI VENKATASAI
86	37120086	17SIT017	YEECHURI SANTHOSH
87	37120087	17SIT820	DINESH Kumar A
88	3612024	16SIT506	ANKIT KUMAR
89	3612025	16SIT944	ANKIT KUMAR SINGH
90	3612027	16SIT565	ANKIT SINGH
91	3612028	16SIT904	ANTARIPA BORAH
92	3612031	16SIT953	ARCHANA. C
93	3612033	16SIT583	ARJUN. V
94	3612035	16SIT803	ASHILA. T
95	3612036	16SIT929	ASHUTOSH KUMAR
96	3612037	16SIT804	AVISHA. I
97	3612039	16SIT005	AZARIAH JOHN. K
98	3612040	16SIT971	BAASHWANATH KUMAR. R
99	3612041	16SIT006	BACHINA SOURAV TEJA
100	3612042	16SIT007	BANDI SAI KUMAR REDDY
101	3612043	16SIT578	BHURSE BHISHAN SURESH
102	3612044	16SIT805	BHUVANESHWARI. G
103	3612045	16SIT576	BISWAJIT SAHU
104	3612047	16SIT008	BOPANA KRISHNA PRASAD
105	3612049	16SIT806	CHATURVEDULA ANAGHA PRAVEENA
106	3612051	16SIT807	CHINTAKUNTA HARITHA
107	3612055	16SIT809	DEEPIKA MENON. S
108	3612056	16SIT513	DEV KUMAR
109	3612058	16SIT514	DINESH KUMAR. G
110	3612059	16SIT515	DINESH KUMAR. N
111	3612061	16SIT009	EDIGA KARTHIK GOUD
112	3612062	16SIT831	ELLAKKIYA. D
113	3612065	16SIT518	GAUTHAM SHEKAR

114	3612067	16SIT908	GOKUL. R. S
115	3612070	16SIT956	GOPINATH. K
116	3612075	16SIT955	HANUMANTHU GIRISH NAIDU
117	3612078	16SIT948	HARSH RAJ
118	3612083	16SIT812	JASMINE S
119	3612084	16SIT525	JAYASHREE J
120	3612085	16SIT028	JAYASHREE S
121	3612086	16SIT924	JEEVANATH J
122	3612087	16SIT566	JITENDRA GUPTA
123	3612088	16SIT970	JOTHI A
124	3612090	16SIT813	KANDI BHAVYA
125	3612092	16SIT960	KASIREDDY LATHASRI
126	3612094	16SIT957	KAVIARASI K
127	3612095	16SIT958	KAVIYA V
128	3612097	16SIT828	KEERTHANA I
129	3612099	16SIT829	KEERTHANAA V
130	3612100	16SIT560	KEERTHIVASAN PUSHPARAJ
131	3612104	16SIT833	KONAKANDLA RAMA PRANAVI
132	3612106	16SIT531	KULDEEP KUMAR
133	3612108	16SIT815	LAKSHMI JANA PRIYA MADDUKURI
134	3612153	16SIT964	RESHMA. R



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Jeppiar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, India



CERTIFICATE OF COMPLETION

This is to certify that

Reshma. R

has attended and successfully completed the course on

Python Programming conducted by Department of Information Technology,

Sathyabama University from September 2017 to November 2017.

Dr. R. Subhashini

HOD - Department of IT

Dr. M Lakshmi

Dean - School of Computing

Course Name: Data Science

Faculty In charge: Dr.Maria Anu

Course Duration: 30 Hours

Course Start Date: 5.2.2018

No of Students Registered: 123

No of Students Completed: 121



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with "A" Grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.
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DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

TRAINING COURSE ON DATA SCIENCE

Date

From: 05/02/2018
To: 06/04/2018

REGISTRATION LINK:

shorturl.at/psxO9

CONTACT:

Dr.Maria Anu
Department of IT

Course Contents

Data science

Week 1 : **4 Hrs**

Python Environment set-up, Jupyter overview, Python Numpy, Python Pandas and Python Matplotlib

Week 2 : **4 Hrs**

An introduction to R, Data structures in R, Data visualization with R and Data analysis with R

Week 3: **4 Hrs**

Statistics : Important statistical concepts used in data science, Difference between population and sample, Types of variables, Measures of central tendency

Week 4: **4 Hrs**

Measures of variability, Coefficient of variance and Skewness and Kurtosis

Week 5: **4 Hrs**

Inferential statistics: Normal distribution. Test hypotheses, Central limit theorem, Confidence interval, T-test , Type I and II errors, Student's T distribution,

Week 6: **4 Hrs**

Regression and Anova: Regression, ANOVA, R square and Correlation and causation

Week 7 : **3 Hrs**

Exploratory data analysis, Data visualization and Missing value analysis

Week 8 : **3 Hrs**

The correction matrix and Outlier detection analysis

List of Enrolled Students

S.No	Reg.No	Roll.No	Name
1	3512052	15SIT115	IGUDURU PUSHPA
2	3512053	15SIT116	IMMADISETTY CHAITANYA KUMAR
3	3512056	15SIT516	JEFFREY VIVIAN SAMUEL
4	3512058	15SIT826	JOSHINI NEHA. K
5	3512059	15SIT806	JOY BLESSY. U
6	3512060	15SIT518	JOYSON MOSES SELVA RAJANAYAGAM. M
7	3512061	15SIT807	KAARTHIKHA SUBHASRI. S
8	3512062	15SIT118	KALAGA LAKSHMI SAMHITA
9	3512064	15SIT550	KALLURU PAVAN KUMAR REDDY
10	3512065	15SIT955	KANIMOZHI. R
11	3512068	15SIT520	KARTHIK. S
12	3512069	15SIT119	KASETTY SHABARISH
13	3512070	15SIT521	KAUSHIK PRABHU
14	3512071	15SIT808	KEERTHANA. P
15	3512072	15SIT902	KEERTHANA.V
16	3512073	15SIT956	KEERTHI. A.R
17	3512074	15SIT809	KEERTHIKA. M
18	3512075	15SIT522	KODURU SRAVAN KUMAR
19	3512077	15SIT907	KOUSALYA. L
20	3512078	15SIT120	KSHITIJ CHOUDHARY
21	3512079	15SIT811	LIDIA VIOLET. A
22	3512080	15SIT128	MANEESHA. P
23	3512081	15SIT524	MANIVASAKAN. S
24	3512082	15SIT913	MARIA BERNADETTE. F
25	3512083	15SIT121	MARIA VISHALI. P
26	3512084	15SIT957	MARIAMMAL SONIYA. M
27	3512085	15SIT122	MARIYA CHRISTEENA VINITHA. K
28	3512086	15SIT101	MARY BENI RESHMA. A.B
29	3512087	15SIT525	MEKA BHANU PRAKASH REDDY
30	3512088	15SIT958	MOHAMED SHEIK DAWOOD. M
31	3512089	15SIT123	MOHAMMED THOUSEEF. D
32	3512090	15SIT959	MOHANA. S
33	3512091	15SIT549	MOHIT ANAND
34	3512092	15SIT527	MOHIT RAJ
35	3512093	15SIT812	MONICA. V
36	3512097	15SIT911	MYLAPALLE YESHWANTH
37	3512099	15SIT125	NAGESH BHARTI
38	3512102	15SIT813	NASRIEN REJEE.W.H
39	3512103	15SIT127	NEVEGEETHA. R
40	3512104	15SIT544	NILESH KUMAR
41	3512105	15SIT129	PALLA RATNA SAI KUMAR
42	3512106	15SIT130	PENUGONDA OBI REDDY
43	3512107	15SIT960	PERUMA. C
44	3512108	15SIT814	POOJAA UMayAL. AL
45	3512109	15SIT961	PRABAVATHY. S
46	3512110	15SIT131	PRATIKSHA RASHMI
47	3512113	15SIT815	PRINCY POOJA. A
48	3512114	15SIT132	PRIYA SINHA
49	3512115	15SIT962	PRIYA. V
50	3512116	15SIT816	PRIYADHARSHINI. J
51	3512117	15SIT817	RACHERLA SAI MADHUMITHA
52	3512118	15SIT133	RAHUL KUMAR
53	3512119	15SIT153	RAMANA VISHNU SAI REDDY
54	3512120	15SIT818	RAMYA. M

55	3512122	15SIT134	RAVURI MANOJ KUMAR
56	3512124	15SIT824	REETHIKA. R
57	3512125	15SIT819	REVAA. M
58	3512126	15SIT542	RISHAV KUMAR
59	3512127	15SIT534	RISHI KUMAR. S
60	3512129	15SIT152	SAI VENKATESH. M
61	3512130	15SIT963	SAJAL ARORA
62	3512131	15SIT909	SAMREEN. G.N
63	3512132	15SIT905	SANA SAI PRASAN KUMAR
64	3512133	15SIT964	SANDHIYA. M
65	3512134	15SIT136	SANTHIYA. K
66	3512135	15SIT117	SARVEPALLI JAAHNAVI
67	3512136	15SIT919	SHAIK ARIF PASHA. S
68	3512137	15SIT137	SHAILESH KUMAR
69	3512138	15SIT138	SHOMYA SHRISTI
70	3512139	15SIT829	SHRISTI KARDATE
71	3612112	16SIT816	MAHALAKSHMI N
72	3612114	16SIT534	MANISH KUMAR YADAV
73	3612115	16SIT575	MD ARSALAN ABID
74	3612117	16SIT961	MENAGA P
75	3612119	16SIT817	MONISHA C
76	3612121	16SIT535	MURTAZA M
77	3612123	16SIT536	NAIDU CHIRANJEEVI KRISHNA VENKATESHWARLOO
78	3612125	16SIT818	NANDHINI R
79	3612130	16SIT962	PAULINE JOYCE ZAC D
80	3612129	16SIT821	NIRANJANI R
81	3612133	16SIT963	POORNIMA M
82	3612134	16SIT939	PRABHAT SAHU
83	3612137	16SIT538	PRANAY KUMAR
84	3612138	16SIT539	PRARTHANA PARAMESHWARI RAMANATHAN
85	3612139	16SIT016	PRASANJEET DAS
86	3612142	16SIT943	PRAVEENA V
87	3612145	16SIT832	RAASHIKA. K
88	3612148	16SIT923	RAHUL RAJ. B
89	3612150	16SIT581	RAUNAK KUMAR SINGH
90	3612152	16SIT542	REGAN. G
91	3612153	16SIT964	RESHMA. R
92	3612154	16SIT965	RISHU KUMARI
93	3612155	16SIT543	ROOBAVIGNESH. M
94	3612157	16SIT567	RUDRA RAJ GOSWAMI
95	3612159	16SIT025	SAI VAMSI KRISHNA CHIRALA. V. S
96	3612162	16SIT544	SAKTHIVEL. E
97	3612164	16SIT545	SANJU KUMAR
98	3612165	16SIT966	SANTHANALAKSHMI. S
99	3612166	16SIT020	SARAVANAN. V
100	3612168	16SIT546	SAWAN KUMAR
101	3612169	16SIT547	SEMRAJ KUMAR
102	3612172	16SIT021	SHREEMI SINGH
103	3612173	16SIT561	SHRINATH NIMARE
104	3612174	16SIT822	SHRUTHI. R
105	3612176	16SIT967	SHWETHA. M
106	3612178	16SIT564	SNEHIL SINGH
107	3612182	16SIT901	SRUNGARAPU VENKATA SAI KARTHIKEYA
108	3612183	16SIT549	STEPHEN. K

109	3612185	16SIT945	SHUBHAM KUMAR
110	3612186	16SIT551	SUPRIYA MANDAL
111	3412118	14SIT646	NAVYA U
112	3412121	14SIT132	NIROSH M
113	3412122	14SIT601	NIROSHMA RAJ N
114	3412123	14SIT659	NIVEDHA P
115	3412124	14SIT502	NIVEDHA S
116	3412125	14SIT153	VENKATARAMAN P
117	3412126	14SIT612	PANYAM NIKHIL REDDY
118	3412127	14SIT327	PINAPAKA HARI MANASA P
119	3412128	14SIT133	PINNENTI YASWANTH
120	3412129	14SIT619	POTLURI VEERA VENKATA HYMAVATHI
121	3412130	14SIT134	PRABHU DAYAL SINGH
122	3412132	14SIT135	PRASHANT KUMAR
123	3412133	14SIT328	PREETHI K



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CERTIFICATE OF COMPLETION

This is to certify that

Priya Sinha

has attended and successfully completed the course on

Data Science conducted by Department of Information Technology

from February 2018 to April 2018.

DR. R. SUBHASHINI
HOD - Department of IT

DR. M LAKSHMI
Dean - School of Computing

Course Name: Data Acquisition in IoT

Faculty In charge: Dr.S.Revathy

Course Duration: 30 Hours

Course Start Date: 19.2.2018

No of Students Registered: 81

No of Students Completed: 78



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DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

TRAINING COURSE ON DATA ACQUISITION IN IOT

Date

From: 19/02/2018

To: 20/04/2018

REGISTRATION LINK:

shorturl.at/ghsN3

CONTACT:

**Dr.Revathy
Department of IT**

Course Contents:

Week 1: 4 Hrs

Brief Introduction of IOT, IOT components, Architecture and Classifications

Week 2: 4 Hrs

Microcontroller Fundamentals, Introduction to Arduino Microcontroller, Working on Arduino IDE, Learning basics of sketch programming

Week 3: 4 Hrs

Introduction LED based programming and Condition based LED programming using Arduino

Week 4: 4 Hrs

Working with 16X2 LCD display, Adding LCD Library to IDE,

Week 5: 4 Hrs

Working with 7 segment display, Adding 7 segment display library

Week 6: 4 Hrs

Demonstrating PIR Motion Sensor, IR sensor, Flame Sensor, Demonstrating Gas Sensor, Temperature Sensor

Week 7: 3 Hrs

Understanding networks LAN/WAN basics, IP Addressing Scheme, Introduction to Bluetooth Device (HC-05), 2 switch relays

Week 8: 3 Hrs

Working with Microcontroller WiFi Device (NodeMCU) -ESP8266, Introduction to cloud computing, Sign in- Adafruit IO, Using NodeMCU (ESP8266) module sending data to cloud server

List of Enrolled Students

S.No	Reg.No	Roll.No	Name
1	3512140	15SIT536	SHASHANK SONI
2	3512141	15SIT912	SINDHU. K
3	3512143	15SIT825	SOWMIYA. G
4	3512144	15SIT831	SRIJANANI. B
5	3512145	15SIT537	SUGUMARAN. B
6	3512146	15SIT965	SUNDHARI. G
7	3512147	15SIT556	SUNKARA SAINATH
8	3512149	15SIT821	SURUTHI. S
9	3512151	15SIT154	TIMMASAMUDRAM YAGNA SRI SAMHITA
10	3512153	15SIT822	VAKULA. C.K
11	3512156	15SIT143	VATTIKUTI SAI BALAJI
12	3512157	15SIT144	VEDULLA POORNA CHANDRA GANESH PRASAD
13	3512158	15SIT145	VEDULLAPALLI LOKESH CHANDRA
14	3512160	15SIT148	VENKATA SAI SAMPATH NADAKUDITI
15	3512162	15SIT149	VISHALI. S
16	3512104	15SIT544	NILESH KUMAR
17	3612190	16SIT032	SYED AARIF SUHAIB QADRI
18	3612191	16SIT824	TAMILBHARATHI. R
19	3612192	16SIT031	THORATI SRINIVAS MANIKANTA
20	3612194	16SIT562	UDAYAN CHOUDHURY
21	3612197	16SIT916	VEERABOMMA SAI RITHIKA
22	3612198	16SIT825	VEMULA T S L V DURGA PRATHYUSHA
23	3612200	16SIT922	VIKRAM KUMAR MEHTA
24	3612201	16SIT555	VINOTH. R
25	3612202	16SIT968	VINOTHINI. R
26	3612203	16SIT969	VISHALINI. J
27	3612204	16SIT826	VISHWAPRIYA. S
28	3612205	16SIT026	VUDUM SHIVA KRISHNA
29	3612206	16SIT556	VUPPALANCHU SAIKUMAR
30	3612212	16SIT827	ROSLIN KANUSHYA
31	3612213	16SIT837	INFANT PHILO RAJULA. B
32	3612214	16SIT838	MEENAKSHI. A
33	3612801	17SLIT701	DURAI NIVETHAN. MA
34	3412135	14SIT329	PRINCY M
35	3412136	14SIT652	PRIYANKA GUPTA
36	3412137	14SIT330	PRIYANKA S
37	3412138	14SIT656	PULA PUJITHA
38	3412140	14SIT331	PUTCHALA KRISHNA PRIYA
39	3412142	14SIT350	SUSHMITHA R
40	3412144	14SIT137	RAHUL KUMAR R
41	3412145	14SIT353	RAJA ISMITHA E
42	3412147	14SIT505	RAJAPRABHA R
43	3412151	14SIT624	RANAJIT PATEL
44	3412152	14SIT302	RANJI ADISHWARI VEER
45	3412153	14SIT333	RASHIKA J
46	3412156	14SIT141	REDDY MOHIT
47	3412157	14SIT623	REDNAM SAI RAM DHILIP

48	3412158	14SIT648	REPALLE VAMSIKRISHNA
49	3412159	14SIT358	RESHMIPAUL
50	3412161	14SIT654	ROOPINI J
51	3412162	14SIT334	SADASIVUNI ANITHA
52	3412163	14SIT366	SAFINA R
53	3412164	14SIT622	SAGAR SINHA
54	3412165	14SIT631	SAI ABHILASH Y
55	3412169	14SIT508	SARATH C N
56	3412170	14SIT625	SAUMYA SUMAN
57	3412171	14SIT647	SAVARAM NAGARJUNA
58	3412172	14SIT165	SEELAM PUNIT SAI
59	3412174	14SIT349	SHEFALI YADAV
60	3412176	14SIT658	SHRISTI SONAL
61	3412177	14SIT621	SHUBHAM MELVIN FELIX
62	3412181	14SIT338	SPRIHA
63	3412183	14SIT339	SUGANYA R
64	3412184	14SIT149	SULTHAN M N
65	3412185	14SIT509	SUMER KUMAR
66	3412186	14SIT555	SUMIT
67	3412188	14SIT650	SUNKU SRINATH
68	3412189	14SIT150	SURENDAR G
69	3412190	14SIT340	SUSHMITHA K
70	3412191	14SIT354	SWATHI K
71	3412192	14SIT341	SWETHA B
72	3412194	14SIT630	THIRUMALASETTI VENKAIAH NAIDU
73	3412195	14SIT602	THUMMA AKHIL ANURAG REDDY
74	3412196	14SIT639	THUPAKULA PREM KUMAR
75	3412198	14SIT343	VAISHALI M
76	3412199	14SIT344	VAISHNAVI G
77	3412201	14SIT345	VALLIKKANNU MEYAMMAI
78	3412204	14SIT154	VOLETI SAI SUBRAMANYA SANTOSH
79	3412205	14SIT633	MOUNIKA VUNGARALA
80	3412208	14SIT347	YASHVANTHI B
81	3412701	15SLIT502	Selvi. G



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CERTIFICATE OF COMPLETION

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NILESH KUMAR

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HOD - Department of IT

DR. M. LAKSHMI
Dean - School of Computing