



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

[DEEMED TO BE UNIVERSITY]

Accredited "A++" Grade by NAAC | 12B Status by UGC | Approved by AICTE

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SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
1.3.2 VALUE ADDED COURSES [2022- 2023]

S. No.	Title of the course	Event Dates	Page No.
1	Machine Learning(Online)	18.07.22 to 23.07.22	2
2	Data Science (Online)	18.07.22 to 23.07.22	14
3	Deep Learning (Online)	18.07.22 to 23.07.22	24
4	Web Development (Online)	18.07.22 to 23.07.22	39
5	Artificial Intelligence & Machine Learning (Online)	18.07.22 to 23.07.22	50
6	Cyber Security	18.07.22 to 23.07.22	65
7	Artificial Intelligence & Machine Learning	18.01.23 to 23.01.23	75
8	Cyber Security	18.01.23 to 23.01.23	91
9	Data Science (Online)	18.01.23 to 23.01.23	102
10	Deep Learning (Online)	18.01.23 to 23.01.23	100
11	Web Development (Online)	18.01.23 to 23.01.23	117
12	Machine Learning	18.01.23 to 23.01.23	148

Machine Learning



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NBA NATIONAL BOARD OF ASSURANCE
QS STARS RATING SYSTEM
AICTE APPROVED
nirf NATIONAL INSTITUTE RANKING FRAMEWORK
QS I-GAUGE DIAMOND

School of Computing
Department of Computer Science and Engineering
Organizes
VALUE ADDED COURSE PROGRAM
ON
"MACHINE LEARNING "
"PROGRAM CO ORDINATOR "
DR. SARDAR MARAN
FROM 18.07.2022 TO 23.07.2022 (Connect through Zoom)

CHIEF PATRONS:
Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

PATRON:
Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:
Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE

Registration Link
<https://forms.gle/zMZGEVz2B2BzAk1g7>

E-Certificate will be provided

PROGRAM CO-ORDINATORS:
Dr.C.HEMALATHA, Asst. Professor - CSE
Ms.K.ANITA DAVAMANI, Asst. Professor - CSE
Dr.R.M.GOMATHI, Associate Professor - CSE
Ms.P.MALATHI, Asst. Professor - CSE
Ms.M.P.BOBBI, Asst. Professor - CSE

Course Content:

I. Introduction to AI and Python Programming

1. What is Artificial Intelligence.
2. Application of AI

II. Programming Environment

1. Jupyter Notebooks
2. Basics of Linux Terminal

III. Python

1. Introduction to Python
2. Basic Data structures and syntax
3. Interpreter, loops, function and modules
4. Object oriented programming in python
5. Introduction to Numpy, Matplotlib and Pandas libraries

IV Machine Learning

1. Supervised Learning
2. Unsupervised Learning.
3. Semi –Supervised Learning
4. Reinforcement Learning

IV. Metrics and Model Analysis

1. Confusion Matrix
2. Sensitivity & Specificity.
3. Mean Average Error & root Mean Square Error
4. Bias – Variance Tradeoff

V. Linear Regression for machine Learning

1. R statistic
2. Multiple Linear Regression

List of Participants

S.NO	Reg No	NAME OF THE STUDENT
1	40010001	ALPHORIMISHA
2	40010002	AANNIE SAHAYA JASHIMA
3	40010003	Aswinlordu
4	40010004	BHUVANESHWARI. M
5	40010005	DHARANI. T
6	40010006	GANGOTHRI.L
7	40010007	GOPINATH. M
8	40010008	IMTHIYAZ SHERIFF. M
9	40010009	JERIYA. J

10	40010010	JOSEPHINE LARINA. N.V
11	40010011	KALAVATHY. J
12	40010012	LOGESHWARI. V
13	40010013	NANDITA GANESHAN
14	40010014	NAVEEN.S
15	40010015	NIKASH. R
16	40010016	NIRANJANE. S
17	40010017	PADMAVATHY. P
18	40010018	PAVITHRA N
19	40010019	PREETHI. D
20	40010020	RAJAKOHILA T
21	40010021	RAVENHILL.S
22	40010022	REEHA. M.S
23	40010023	SAFIYA BEGUM. A
24	40010024	SANTHA KUMARI. J
25	40010025	SANTHOSH. S
26	39120103	SARANYA M
27	39120103	SARANYA M
28	40010028	SHOBANA. V
29	40010029	SINDHU. S
30	40010030	D. Sowndharya
31	40020001	ABINESH. N
32	40020002	ARUL SELVAN. E
33	40020003	DEEPAJOTHI G
34	40020004	DILESHA. G
35	40020005	DINESH MONGIA. M
36	40020006	JAYASHREE.K
37	40020007	Jeevananthan. A
38	40020008	KALAIYARASI. R
39	40020009	KAVIYA.S
40	40020010	KOWSALYA C
41	40020011	MAREEASWARI. C
42	40020012	MUTHUMARI C
43	40020013	NEEVETHA. R
44	40020014	PAVITHRA. M

45	40020015	PAVITHRA. S
46	40020016	RANJANI. K
47	40020017	SREE VIDYA.B
48	40020018	SURIYA KUMAR. S
49	40020019	UMAMAGESWARI M
50	40020020	VARSHA. R
51	40020021	SANGEETHA. T
52	40020022	SAI KRISHNA TADAVARTHI
53	40020023	TANTEPUDI AISHWARYA SAILAJA
54	40020024	TAYI VENKATA SURYA
55	40020025	THUMMALA JAHNAVI
56	40020026	THUNUGUNTLA RAKESH
57	40020027	VAISHNAVI. S
58	40020028	VALMIKI SAI SUNIL
59	40020029	VEENA PRANEETH KUMAR KOSARAJU
60	40020030	VELAGA RAMNADH
61	40030001	AKANKSHA KUMARI
62	40030002	ANITHA C
63	40030003	BALASANTHOSH K
64	40030004	BHARATHI G
65	40030005	CHANDRU T
66	40030006	DHIVYA S
67	40030007	ELAKKIYA. A
68	40030008	GANGASHREE V
69	40030009	GEETHA. V
70	40030010	GOKULAPRIYA A
71	40030011	GRACE JESLIN. J
72	40030012	HEMAVARSHINI G
73	40030013	JAYAPRIYA S
74	40030014	KALAIYARASI. S
75	40030015	KARTHIKRAJA. V
76	40030016	KARTHIK.D
77	40030017	KEERTHIPRIYA. K
78	40030018	KESAVAN N
79	40030019	KOWSHICK RAJA. S

80	39080030	MAHALAKSHMI D
81	40030021	MARAGATHAMBIGAI P
82	40030022	MASTHAN BEE. S.A
83	40030023	MOULISHWARAN. A
84	40030024	K. NITHYA
85	40030025	PAVITHRA.M
86	40030026	PRAVEENA A
87	40030028	RUBASRI. S
88	40030029	SAM PAUL. M
89	40030030	SAMYUKTHA PARGAVI. K
90	40030031	SANTHIYA S
91	40050001	ADVAIT ANAND
92	40050002	AKSHAYA. N
93	40050003	ALLAN ANTHONY. J
94	40050004	ALLAN BRITTO BHEN. P
95	40050005	ANISHA B BASHIR. B
96	40050006	ANISHIYA. M
97	40050007	ANNIE BHUVANA MARY. A
98	40050008	ASWIN SURAJ. S
99	40050009	BALAJI.R
100	40050010	KESAVARDHINI. D
101	40050011	DHIVYA SRI. G
102	40050012	DILLI BABU. V
103	40050013	DIVYA VARSHINI
104	40050014	GOKUL NATHAN. V
105	40050015	GOPINATH. N
106	40050016	HARINI. V
107	40050017	HARISH. P
108	40050018	HIRUTHIKSHA. G
109	40050019	ISAAC SELVAKUMAR
110	40050020	ISWARYA. P
111	40050021	KAMESH. K
112	40050021	KAMESH. K
113	40050023	KARTHICKEYAN. H
114	40050024	KAVIARASAN. S

115	40050025	KAVIYA. A
116	40050026	KAVIYARASAN. K
117	40050027	KEERTHIKA.A
118	40050028	MADHAVAN. S
119	40050029	MERLIN MADHUMITHA.J
120	40050030	MOHANA SUNDARAM. S
121	40050031	NIHIL SURYA. S.P
122	40050032	NITHYA SREE.B
123	40050033	NUSRATHUNISHA. S.F
124	40050034	PARREDDY ABHI SARAYU REDDY
125	40050035	PRAVEEN. A
126	40050036	PRAWIN BAALAJI. S
127	40050037	PRETHEES.M
128	40050038	RAJALAKSHMI.M
129	40050039	RAJA PANDIAN. M
130	40050040	RAJESWARI.J
131	40050041	SAILESH. RS
132	40050042	SAM DANIEL. J
133	40050043	SAM PAUL DURAI. A
134	40050044	SARANYA.N
135	40050045	SARAVANA KUMAR. E
136	40050046	SATHISH. K
137	40050047	SINDHU.C
138	40050048	Sreelekhaa.T.
139	40050049	SRINATH. M
140	40050050	SUGANYA. T
141	40050051	SUGAPRIYA. B
142	40050052	SUJI PRIYA. R
143	40050053	VASANTH. B
144	40050054	VASANTH. E
145	40050055	VENKATARAMANAN. G
146	40050056	VIMALAVIVIN. S
147	40050057	VISHAL ANTO.J
148	40050058	VISHWA. S
149	40050059	YAMUNA. R

150	40050060	YUVANSELVAN. R
151	40050701	KANNAN G
152	40050702	HARIHARA SUTHAN S
153	40050703	Solomon A
154	40060001	BHARATH M
155	40060002	DEEPIKA SRI. K
156	40060003	DHARSHINI PRIYA. M
157	40060004	Ilavarasan I
158	40060005	JAYASHREE.J
159	40060006	KAVIYA. K
160	40060007	KAVIYA.R
161	40060008	MADHESWARI A
162	40060009	MENAGA R
163	40060010	PAVUNRAJ P
164	40060011	PONSWETHA. S
165	40060012	Priyadharshini
166	40060013	RASHIKA.R
167	40060014	SHANMUGAPRIYA J
168	40060015	SIVAGAMA SUNDARI. R
169	40060016	SRIKANTH. R
170	40060017	SUMITHRA K
171	40060018	VIGNESHRAM. L
172	40060019	VISSAMSETTI MOHAN MANOJ
173	40060020	ADAPA REETHIKA
174	40060021	VALLABHAPURAPU SREE LAKSHMI MANASA
175	40060022	SURAVARAPU ANUDEEP REDDY
176	40060023	THIANESSHAR SACHIN. A
177	40060024	BERA PAVAN KALYAN
178	40060025	SANDHYA SOLE
179	40060026	VISHNU VARDHAN KATHIKA
180	40060027	SURIYA. K
181	40060028	SURYA PRAKASH. M
182	40060029	SWARNA JEEVAN
183	40060030	SYED IMDAD
184	40080031	MATHINILA. M

185	40080032	MEGHA SRI .D
186	40080033	MOHAN. K
187	40080034	NAVAJOTHY.P
188	40080035	NEHA. U
189	40080036	NEHA.V
190	40080037	NIKITHA. C
191	40080038	NISHAA. V
192	40080039	NIVETHA. G
193	40080040	NIVETHITHA. M
194	40080040	NIVETHITHA. M
195	40080042	PADMAPRIYA. V
196	40080043	PARVATHY M NAMBIAR
197	40080044	PATRINA HARIM.S
198	40080045	POOJASRI. D
199	40080047	RAJI. S.M
200	40080048	ROSHNI. D.R
201	40080049	SANDHIYA. G
202	40080050	SANGEETHA.T
203	40080051	SHARMILA. M
204	40080052	SHRADHA.V
205	40080053	SREENIJA. T
206	40080054	SRI VARSHINI HARIKA. D
207	40080055	SRISHA. D
208	40080056	SRIVARSHINI. S
209	40080057	STEFY NICHOLAS. C
210	40080058	SUBBURAJ PRIYADARSHINI
211	40080059	SUBIDSHA. J
212	40080060	SUJA.P
213	40080061	SUJETAA.S
214	40090001	ARAVIND KUMAR. S.S
215	40090002	ASHWIN. C
216	40090003	ASHWIN. S
217	40090004	BHAGVATH AGRAWAL. R
218	40090005	BHARATH KUMAR. S
219	40090006	DANIEL CEDRICK MERPHEY

220	40090007	DEVA RAGOTHAMAN. Y.A
221	40090008	E VENKATA SETHU VARDHAN
222	40090009	HANISH.D
223	40090010	HARISH. K
224	40090011	HARISH. P.S
225	40090012	HASAN AHMED
226	40090013	JENITH RAJA. K
227	40090014	KEERTHI VASAN
228	40090015	KEVIN RAJADURAI. E
229	40090016	KHARAN.V
230	40090017	KIRAN. R
231	40090018	KRITHIKA. R
232	40090019	MOHAMED NOOHU S. M.B
233	40090020	MURALI V
234	40090021	NARENDHIRAN. M
235	40090022	NITESWAR.D
236	40090023	PRATHIK. V
237	40090024	RISWANTH S
238	40090025	ROHIT KUMAR
239	40090026	SAMBUVARAYAN. D.S
240	40090027	SANJAY. R
241	40090028	SARATH
242	40090029	SATHYA PRAKASH. N
243	40090030	SHAFI AKEEL. M
244	40090031	SUDESH. V
245	40090032	TAMIL MANI. A
246	40090033	TAUSEEF ALI URFANI
247	40090034	TEJA SHIVA SAI KUMAR PEDDINTI
248	40090035	THOMAS MERVIN.M
249	40090036	VINAY. V
250	40090037	VISHWESHWAR
251	40090038	RICHARD. J
252	40090039	RISHAL. K
253	40090040	RISHAV AGRAWAL
254	40090041	RISHI. S

255	40090042	RISHI KUMAR SHAW
256	40090043	RISHITA MANDAL
257	40090044	RITIK RAJ
258	40090045	ROBBI HARSHA VARDHAN
259	40090046	RODDA NAVEEN
260	40090047	ROHIT NAGA SYAM SAI. M
261	40090048	ROHIT NAIDU SIRI PORANA
262	40090049	KOPALLI ROHIT SAI KALYAN
263	40090050	ROHIT. R
264	40090051	CHANDAVARAM ROHITH
265	40090052	SRIRAM HRUTHIK
266	40101001	DEEPA.N
267	40101002	GAGGUTURI MASTHAN BEE
268	40101003	HARSHA VARDHINI. P
269	40101004	LAVANYA. M
270	40101005	LOGESHWARI. N
271	40101006	NARENDRAN. C
272	40101007	NISHAANDHINI. K.S
273	40101008	PRIYADHARSHINI. S
274	40101009	RAJASEKAR. K
275	40101010	RAMYA. R
276	40101011	RANJITHA. V
277	40101012	SIVA RANJANI
278	40101013	SIVARANJINI. U
279	40101014	SREE AGASH. S.G
280	40101015	SUSHMITHA. K
281	40101016	VARSHA. S
282	40101011	RANJITHA. V
283	40101003	HARSHA VARDHINI. P
284	40101001	DEEPA.N
285	40101012	SIVA RANJANI
286	40102001	AMALAJASMIN. S
287	40102002	HIRUTHIK ROSHAN
288	40102003	JAYASREE. G.R
289	40102004	JENI PRICILLA. P

290	40102005	MALAVIKAA.G
291	40102006	SASHWANTH SARAVANAN
292	40102007	SNEHA MURALI
293	40102008	SWETHA. S
294	40106001	BALA SUNDARAM. K
295	40106002	GAYATHRI. B
296	40106003	GOKULA KRISHNAN. K
297	40106004	KOWSALYA. T
298	40101004	LAVANYA. M
299	40106006	LAVANYA. R.S
300	40106007	MONISHA. D
301	40106008	NANDHINI
302	40106009	NAVEEN KUMAR. S
303	40106010	NIKITHA. H
304	40106011	ROHIT KUMAR TIWARI
305	40108001	FURNIKA SHREE. S
306	40108002	ISWARYA.C
307	40108003	SRIRAM. S
308	40108005	WINSTON CALEB.E
309	40108006	TALLURI KVRSP CHANDRA SAI
310	40108007	TALLURILOKESH
311	40108008	TAMALALA VENKATA SIVA BHANU TEJA
312	40108009	TAMILSELVANJ
313	40108010	VARSHITH TANGELLAPALLY
314	40108011	TANNEERU NIKHIL
315	40108012	TASMIYA MUBEEN
316	40108013	SHANMUKHA BABU TATAPUDI
317	40108014	TATHI REDDY PINDI
318	40108015	THALLAPELly VARDHAN GOUD
319	40108016	THAMEEM MOHAMED A
320	40108017	VISHNU VARDHAN THAMMISSETTY
321	40108018	THARAGESH C
322	40108019	THEERUMURRTHY MEDASANI
323	40110001	AADITYA KUMAR
324	40110002	AAKASH KARTHIK. K.B

325	40110003	AAKASH KUMAR DUBEY
326	40110004	AAKASH. S
327	40110005	AARARAN. V
328	40110006	AARTHI. R
329	40110007	ABDUL MOHAMED IBRAHIM GANI
330	40110008	ABHAY NARAYAN PRASAD
331	40110009	UPPALA ABHILASH
332	40110010	ABHINAV ANAND
333	39120003	ABHINAV KUMAR
334	40110012	ABHINAV PRASAD
335	40110013	ABINAY SARVESWARARAO
336	40110014	ABHISHEK BAJPAI
337	38120002	ABHISHEK KUMAR
338	40110016	ABHISHEK KUMAR SINGH
339	40110017	ABHISHEK MANIKANDAN
340	40110018	ABHISHEK NIRAJ
341	40110019	ABHISHEK RAJ
342	40110020	ABINAYA. S
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SCHOOL OF COMPUTING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING CERTIFICATE OF APPRECIATION

This certificate is awarded to

MR. DUDI NAGA PAVAN

For successfully completing

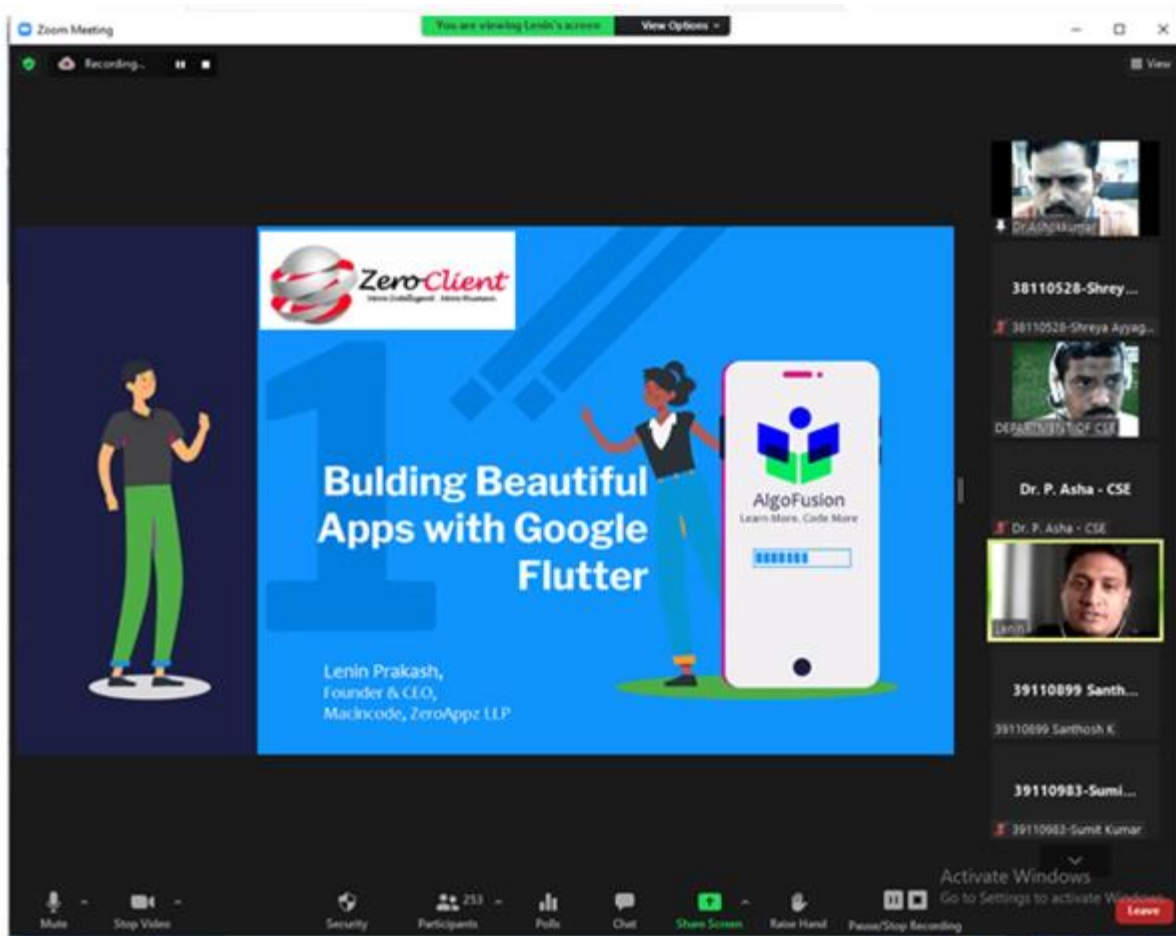
VALUE ADDED COURSE - MACHINE LEARNING

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from July 18 2022 to July 23 2022.

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE



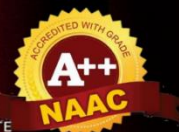
DATA SCIENCE



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INSTITUTE OF SCIENCE AND TECHNOLOGY
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School of Computing
Department of Computer Science and Engineering

Organizes

VALUE ADDED COURSE PROGRAM

ON

"DATA SCIENCE "

"PROGRAM CO ORDINATOR "

DR. A . PRAVIN

FROM 18.07.2022 TO 23.07.2022 (Connect through Zoom)

CHIEF PATRONS:

Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

Registration Link

<https://forms.gle/zMRGETvz2B2BzAk1g7>

PATRON:

Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE



COURSE OBJECTIVES

- To understand the mathematical foundations required for data science.
- Use R for statistical programming, computation, graphics, and modeling.
- To describe a flow process for data science problems.
- To introduce basic data science algorithms and data visualization.
- To learn the ideas and tools for data visualization.

COURSE OUTCOMES

- Explain the basic terms of Linear Algebra and Statistical Inference.
- Import, review, manipulate and summarize data-sets in R
- Simulate Data Visualization with R
- Apply EDA and the Data Science process, Classify Data Science problems.
- Gain ability to apply knowledge representation, reasoning, and machine learning techniques to real-world problems.

COURSE CONTENTS

LINEAR ALGEBRA

Algebraic view – vectors 2D, 3D and nD, matrices, product of matrix & vector, rank, null space.
Geometric view - vectors, distance.

Projections, eigenvalue decomposition, Equations of line, plane, hyperplane, circle, sphere, Hypersphere.

PROBABILITY AND STATISTICS

Introduction to probability and statistics, Population and sample, Normal distributions, distributions, mean, variance, covariance, covariance matrix, understanding univariate and multivariate normal distributions, introduction to hypothesis testing, confidence interval for estimates.

DATA SCIENCE TECHNIQUES AND APPLICATIONS

Big Data - Hadoop, Dimensionality Reduction, Principal Component Analysis, Classification and Regression models, Tree and Bayesian network model.

Neural Networks, Testing, Evaluation and Validation of Models, Sentiment data analysis -Twitterdata.

List of Participants

S.NO	Reg No	NAME OF THE STUDENT
1	40110022	ABISHEK.K
2	40110023	ACHUTA SAI SUJITH
3	40110024	ACHUTHE. S
4	40110025	ACHYUTUNI VENKATA VARUN KOUNDINYA
5	40110026	ADAPA MEGHANA SAI SIVANI
6	40110027	ADARSH M NAMBIAR
7	40110028	ADDANKI TEJA KUMAR
8	40110029	ADHITHYA. B
9	40110030	ADIMULAM BHARGAV KUMAR
10	40110031	ADITHYA. S
11	40110032	RUDRA RAJU ADITHYA
12	40110033	ADITYA KANT VERMA
13	40110034	ADITYA RAJ
14	40110035	ADITYA SINGH
15	40110036	AGNIMITA DAS BAKSHI
16	40110037	AJITH PRABHAKAR U.T
17	40110038	AISHWARYA. V
18	40110039	AITHAM MUKESH
19	40110040	AJITH PETER VIANEEY
20	40110041	AJITHA SREE
21	40110042	AKARSH KUMAR
22	40110043	AKASH. R
23	40110044	AKASH PRIYADARSHI
24	40110045	AKSHARA. C.V
25	40110046	AKSHAYA. B
26	40110047	AKSHAYA. P
27	40110048	AKSHVIN VINOD
28	40110049	AKULA ARSHAD
29	40110050	AKULA DATTA VEERA SASANK MITRA
30	40110051	AKULA DURGA SIREESHA
31	40110052	AKULA LAXMI NARAYANA
32	40110053	AKULA MOURYA SAI SANDESH VARMA

33	40110054	AKULA REVANTH SAI TEJA
34	40110055	AKULA THARUN
35	40110056	AKULA VASU TEJA
36	40110057	AKUTHOTA RUTHVIKH
37	40110058	ALAGINGI DEEPAK SAI
38	40110059	ALASAPURI GURU AAKASH
39	40110060	ALAVALAPALLI VASANTH REDDY
40	40110061	ALBERT CHERADAI JACOB
41	40110062	PERNI ALEKHYA
42	40110063	ALISHA. S
43	40110064	ALLA GNANESWAR REDDY
44	40110065	ALLA YASWANTH KUMAR REDDY
45	40110066	ALLAKA RAVINDRA SRIKAR
46	40110067	A C S SAI SURENDRA REDDY
47	40110068	ALLAM ROHITH KUMAR
48	40110069	ALLAM SRI SAI RAM
49	40110070	ALLE NITHIN KUMAR
50	40110071	ALTAF REZA
51	40110072	ALTHAF. A
52	40110073	ALUGOLA VEERA VENKATA SAI REVANTH
53	40110074	ALWIN RUFUS WINFRED. D
54	40110075	AMBATI MAHIDHAR
55	40110076	AMBATI MANIKANTA VARA PRASAD
56	40110077	PRUDHVINATH REDDY. A
57	40110078	NARASIMHA. A.N.S.S.S
58	40110079	AMIRTHA. M
59	40110080	AMIYA KUMAR
60	40110081	AMMU SATISH
61	40110082	AMRIT VATS
62	40110083	ANAND PRABU. S
63	40110084	ANAND RAJ
64	40110085	ANANTHAKRISHNAN.M
65	40110086	BHASKAR ARAVIND ANAPARTHI
66	40110087	ANAPARTHI VEDYA
67	40110088	ANAS ALI

68	40110089	ANDREW BEVIN. A
69	40110090	ANEGONDI ASHOK RAJU
70	40110091	ANGALAKURTHI BRAHMAIAH
71	40110092	ANIMESH GUPTA
72	40110093	ANISH PRASAD
73	40110094	ANISH PRIYAN. J.E
74	40110095	ANISHA ROY
75	40110096	ANJANA MOHAN
76	40110097	ANKIT ANAND
77	40110098	ANKIT JHA
78	40110099	ANKIT RAJ
79	40110100	ANKUR SARKAR
80	40110101	ANNAM SAI RAMYA
81	40110102	ANOLINE SOFIA. D
82	40110103	ANSHIKA BHARTI
83	40110104	ANSHU YADAV
84	40110105	ANSILIN SIBIN RAJ. A
85	40110106	A VENKATA PAVAN KUMAR
86	40110107	AQUEEB JAVED
87	40110108	ARAVIND. A
88	40110109	ARE BALA SIVA THARUN
89	40110110	ARJUN. A
90	40110111	ARK ARYA
91	40110112	ARLINE JOSIEGH ROY. J
92	40110113	ARPIT KUMAR JHA
93	40110114	ARTHI. G
94	40110115	ARTHUR DAVID RAJA. M
95	40110116	ARUL MURUGAN. T
96	40110117	ARUN. P
97	40110118	ARUN.K
98	40110119	ARUN KUMAR.S
99	40110120	ARURU MOHITH
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101	40110122	ARYAN AMISH
102	40110123	ASHIF SHARIF. S

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104	39110091	ASHISH KUMAR
105	40110126	ASHOK KUMARAN. S
106	40110127	ASWIN KUMAR. S
107	40110128	ASWIN SANIL KUMAR
108	40110129	AICHAYA. P
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132	40110153	BANDA KANISHKA REDDY
133	40110154	BANDARU KUNDAN SAI PHANINDRA
134	40110155	BANDARU VEERABHADRA RAO
135	40110156	BANDEPALLI SURYA ANJANI KUMAR
136	40110157	BANDI JAYA SURYA
137	40110158	BANDI SRIRAM CHANDRA GOUD

138	40110159	BASA VASAVI VARSHA
139	40110160	BASSETTI ADI NARAYANA
140	40110161	PRAJAPNOOR BASWARAJ
141	40110162	BATHINA HARSHA VARDHAN
142	40110163	BATHULA GOWTHAM REDDY
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146	40110167	BAVAN KARTHIK. J
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171	40110192	BODAKUNTA AVINASH VARMA
172	40110193	B HARSHA VARDHAN RAM SAI

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175	40110196	BODDUCHARLA UMESH CHANDRA REDDY
176	40110197	BODINENI SIVASAI TEJA
177	40110198	B THARUN KUMAR REDDY
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179	40110200	BOKKA TEJA SATYA NARAYANA
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181	40110202	B H N D MANIKANTA JAGADEESH
182	40110203	BOLLI SURESH
183	40110204	BOLLIMUNTHA ANITHA
184	40110205	BOLLIMUNTHA ASHOK
185	40110206	BOLLINENI HEMA ANUHYA
186	40110207	BOLLUSAI PRASANTH KUMAR
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188	40110209	BONU BALA SUBRAMANYAM
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192	40110213	BOREM SIRI REDDY
193	40110214	BORRA RUTHVIK
194	40110215	BOSA ROHAN KUMAR REDDY
195	40110216	JENISH JORIS BOSCO

DEEP LEARNING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A++" Grade by NAAC|12B Status by UGC|Approved by AICTE



School of Computing
Department of Computer Science and Engineering
Organizes

VALUE ADDED COURSE PROGRAM
ON

" DEEP LEARNING "

"PROGRAM CO ORDINATOR "

DR. PREM JACOB

FROM 18.07.2022 TO 23.07.2022 (Connect through Zoom)

CHIEF PATRONS:

Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

Registration Link

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PATRON:

Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE



COURSE CONTENT:

COURSE OBJECTIVES:

- To cite the difference between various sub domains of Artificial Intelligence and Machine Learning.
- To summarize the working of Neural Network architectures.
- To classify and predict data using various Deep Learning techniques.
- To optimize the performance of different models using optimization techniques.
- To apply Deep learning techniques to real world problem statements.

COURSE OUTCOMES:

Upon successful completion of this course students should be able to:

- Classify the data from given dataset using simple machine learning algorithms.
- Design a working model of classification using feedforward and backpropagation algorithm.
- Perform PCA and LDA to reduce the features.
- Construct basic CNN model to classify on any image datasets.
- Perform image processing and signal processing for various datasets.

COURSE CONTENT:

(4 Hours)

Introduction to Artificial Intelligence and Machine Learning:

AI: Building machines through human eyes, Definition, Terminologies, Types. (h1)

Branches of AI: Symbolic Learning, Machine Learning, Statistical Learning, Deep Learning, Problem Types: Classification and Prediction, Types of Learning: Supervised, Unsupervised and Reinforcement Learning. (h2)

Case Study: Classification using different machine learning algorithms. (h3)

(4 Hours)

Introduction to Deep Learning

History : History of Deep Learning , Biological Neuron, McCulloch pit Neuron (h1)

Neural Networks : Shallow networks, Deep networks, Activation Function (h2)

Case Study: Discussion on training using neural networks (h3)

4 Hours)

Types of Neural Networks

Neural network workflow: Feedforward network, back propagation, Loss function (h1)

Perceptron: Working of a Perceptron, Types of Perceptron : Single layer Perceptron, Multi-layer Perceptron (h2)

Case Study: Discussion on computing loss function (h3)

(4 Hours)

Deep Neural Networks

Basic Terminologies: Bias and Variance, Overfitting problems (h1)

Regularization: L1, Regularization, L2 Regularization , Dropout, Batch Normalization (h2)

Case study: Solving Overfitting problems (h3)

Introduction to CNN

CNN : Introduction to CNN, Architecture and workflow (h1)

Types of CNN Part 1: AlexNet, ResNet, (h2)

Types of CNN Part 2 : VGG, Inception (h3)

Training a ConvNet : Tuning hyper parameters (h1)

Generating Virtual Samples : GAN (h2)

Case Study: Use of CNN architecture for Classification (h3)

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	40110217	BUDURU DHARANI KUMAR REDDY
2	40110218	BUGGA RAJESH
3	40110219	BURRA SREYA SRI
4	40110220	BUSANA BOYENA SIV RADHA KRISHNA
5	40110221	VISHNU VARDHAN. BVVM
6	40110222	BYSANI SATYA SAI SURYA PRAKASH
7	40110223	CARISE FELICIA. F
8	40110224	CECIL HUYGIE. L
9	40110225	GNANA VIGNESH. CH.
10	40110226	CHAKKA UDAY KIRAN
11	40110227	Chalamcharla Venkata Sri Sai Mohan
12	40110228	CHALLA BALAJI REDDY
13	40110229	CHALLA CHARAN KUMAR
14	40110230	CHALLA ROHITH
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16	40110232	CHALLA SUJEETH
17	40110233	CH GUNDLA GOPI KRISHNA
18	40110234	CHANDA SHRAVAN KUMAR
19	40110235	CHANDAN PATNAIK
20	40110236	DASARI CHANDRAMOULI
21	40110237	CHANDU DILLI PAVANI
22	40110238	Chandula Venkata Satish Kumar Reddy
23	40110239	CHAPARALA NITHIN KRISHNA CHOWDARY
24	40110240	CHAPPIDI GUNA SATYA SANDEEP
25	40110241	CHAPPIDI SINDHUJA
26	40110242	CHARAN. K
27	40110243	CHAVA NIKITHA
28	40110244	CHAVALI SAIRAM
29	40110245	CHAVATAPALLI SAI SUNIL
30	40110246	ADITYA CHAVATAPALLY
31	40110247	CHEEDELLA JASWANTH PAVAN KUMAR
32	40110248	CHEGONDI JAI SAI RAM CHARAN TEJA

33	40110249	CHEKKA VAMSI KRISHNA
34	40110250	CHEKKAPELLE YUVARAJ
35	40110251	CHEKURI SIVA VENKATA PAVAN RAGHAVENDRA VARMA
36	40110252	CHELLU PRAGNA
37	40110253	HARSHA VARDHAN. C
38	40110254	CHENIKALA MAHENDRA
39	40110255	CHENNA ANVESH KUMAR
40	40110256	CHENNAM SETTI DURGA RANGAIAH
41	40110257	CHENNAMANENI KARTHI
42	40110258	CHETTY ABISHA PETER
43	40110259	CHEVURI AJAY KUMAR REDDY
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45	40110261	CHILLA JAYA SANKAR NAIDU
46	40110262	CHILLAMANDA VINAY
47	40110263	CH THARUN G.S. VENKATA SAI
48	40110264	CHINDUKURU SAI SANDEEP
49	40110265	CHINKI KUMARI
50	40110266	CHINNAKOTLA SATHISH
51	40110267	CHINNAM PRUDHVI KRISHNA
52	40110268	CHINTA MANOJ KUMAR REDDY
53	40110269	CHINTA SATYA VARDHAN
54	40110270	CHINTA SIVA BRAHMANA REDDY
55	40110271	CHINTALA HEMANTH KUMAR
56	40110272	CHINTALA VAMSI
57	40110273	VISHNU VARDHAN
58	40110274	CHINTHALA DURGA PRANATHI
59	40110275	CHILTRI AMRAVATHI HARSHA
60	40110276	CHITTEGARI SUMANTH REDDY
61	40110277	CHITTIMOTHU KARTHIK
62	40110278	CHITTINNI GOPI CHANDU
63	40110279	CH HASITH RAMA CHANDRA
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66	40110282	CHRISTOPHER CYRUS
67	40110283	CHUNDURI SAI GANESH

68	40110284	CRIS EVANGELINE. A.D
69	40110285	DALIPARTHI CHARAN TEJA
70	40110286	DANDOLU GURU KOUSHIK REDDY
71	40110287	DANDUBOINA VENKATA MAHESH BABU
72	40110288	D.SASI SREEJA
73	40110289	DARIVEMULA CHANDRA KIRAN
74	40110290	DARSHINI. J.R
75	40110291	DARVIN XAVIER. P
76	40110292	DASAPPA GARI DASAPPA NAIDU
77	40110293	DEVI PRASAD. D
78	40110294	D L VENKATA KONDALA RAO
79	40110295	DASARI SAI JAYENDRA
80	40110296	DASARI SAI SANDEEP
81	40110297	DASARI VENKATA DILEEP KUMAR
82	40110298	DATLA KRISHNA ASRITH VARMA
83	40110299	DAVU DHARMA TEJA
84	40110300	DHAVULURI NIKITHA
85	40110301	DEBYANSHU TIWARI
86	40110302	DEEPAK ARUMUGAM. S
87	40110303	DEEPAK CHOWDARY GADAPUTI BHARGAV. P
88	40110304	DEEPIKA KUMARI
89	40110305	DEEP KOUSHIK. G.V
90	40110306	DELPHIA.J
91	40110307	DEREDDY SUPRIYA
92	40110308	DEVA PRIYA. C.K
93	40110309	DEVARA RAMACHANDRA
94	40110310	D BHASKAR SATYA NARAYANA
95	40110311	DEVI RENUKA. N.S
96	40110312	SRAVANI LAKSHMI DURGA. D
97	40110313	DEVI SETTY POOJA
98	40110314	DHANUSH. T
99	40110315	DHARANEESWARAN. R
100	40110316	SAVANAM DHARMA TEJA
101	40110317	DHARSHINI. M
102	40110318	DHASLIM. N

103	40110319	DHEERAJ PULAKHANDAM
104	40110320	DHEIVA NISHANTH. C
105	40110321	DHIVESH KUMAR. A
106	40110322	DIBYANSHU JAISWAL
107	40110323	DILIP ANTONY. L
108	40110324	DILIP KUMAR YADAV
109	40110325	DINESH KUMAR. K
110	40110326	DIVVELA SARATH SATYA SAI
111	40110327	VUTUKURI DIVYA VARDHINI
112	40110328	DIVYASRI SURESH
113	40110329	DIVYESH.T.M
114	40110330	DODDA SHILPIKA
115	40110331	DODDAKA ROHITH KUMAR
116	40110332	DODLA VENKATESH
117	40110333	DOKKU VENKATA SIVA SAI
118	40110334	DONE JAYRAJ REDDY
119	40110335	DONATHI SHASHANK
120	40110336	DONTIBOYINA.YASWANTH
121	40110337	DONTIBOYINA YATEESH
122	40110338	DUDALA SOMYA SREE
123	40110339	DUDE BALA DURGA SAI SESHU
124	40110340	DUDE LIKHITH
125	40110341	DUDEKULA RAZAK
126	40110342	DULAM SAI
127	40110343	INDRA REDDY
128	40110344	EDWIN SAMUEL. M
129	40110345	EERAMALLA SATHWICK
130	40110346	EFFIN. J
131	40110347	ENDLA SANATH VARMA
132	40110348	ERAPALLI JITHENDRA REDDY
133	40110349	KATOJU ESHWAR
134	40110350	ESHWAR. M
135	40110351	FAMILAN.S
136	40110352	GABBURI NIRMAL
137	40110353	GABRIELA SHARON. R

138	40110354	GADDAM VIJAY KUMAR REDDY
139	40110355	GADE AJAY REDDY
140	40110356	GADI PARTHI SRINADH
141	40110357	GADUPURI SOWMYA
142	40110358	GADUPUTI SAI PREETHI
143	40110359	GAJJALA PRASHANTH REDDY
144	40110360	GAMPA VENKATA SAI CHAITANYA
145	40110361	GANAPATHI RAMAN. D
146	40110362	GANDHI VALASA SUMANTH
147	40110363	G VEERA MANI KANTA ADITYA
148	40110364	GANDU RAVI TEJA
149	40110365	BODDU GANESH KUMAR
150	40110366	GANGAVARAPU TEJA PRASAD
151	40110367	GANGESH GUPTA
152	40110368	G KUMAR NAGA SAI SHANKAR
153	40110369	GANJI CHAKRESH
154	40110370	GANTA VENKATA KRISHNA
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158	40110374	GEDELA NITEESH KUMAR
159	40110375	GEDELA RAJITHA
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161	40110377	RAJESH REDDY. G
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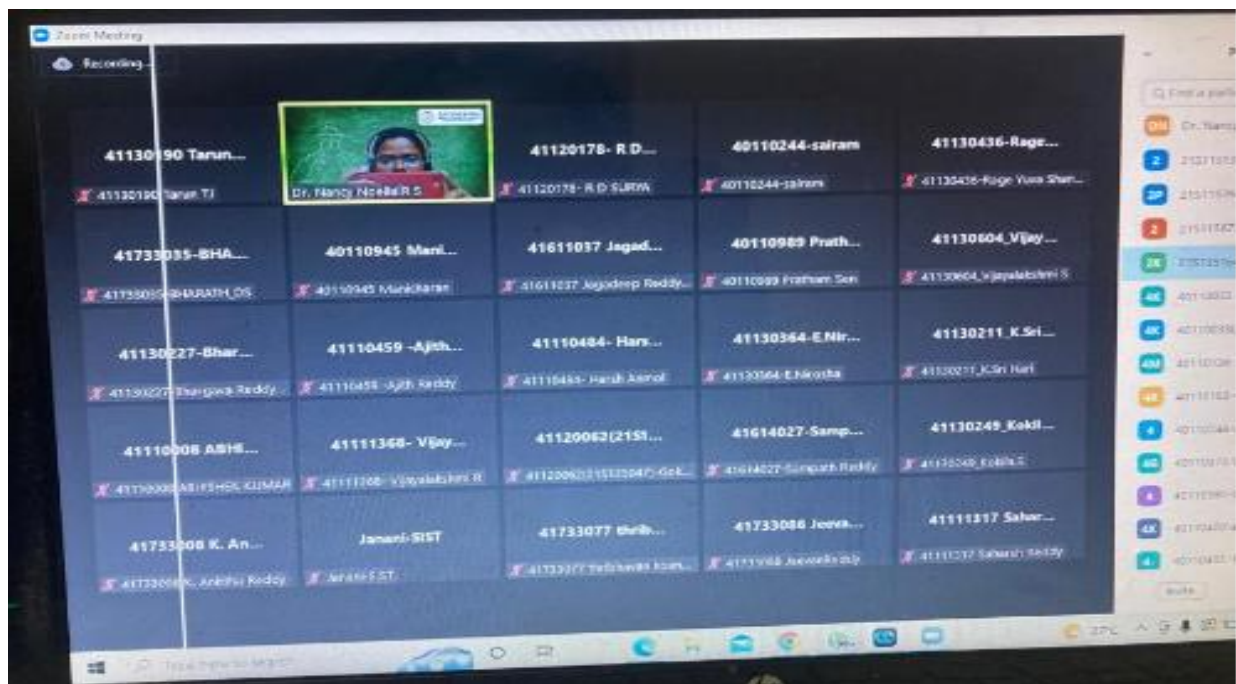
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214	40110430	HARIHARAN. R.S
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236	40110452	MEENA HRAVEEN
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238	40110454	HEMA PRIYA. V
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246	40110343	INDRA REDDY
247	40110463	INDUGU SURYA VIKAS
248	40110464	INTURI PRANEETH KUMAR
249	40110465	ISHANT SINGH
250	40110466	IYER SUBRAMANIAN LAKSHMI NARAYANAN
251	40110467	JADE TEJA
252	40110468	JAGARLAMUDI VENKATA LAKSHMI NARAYANA
253	40110469	JAI ADITHYA. B
254	40110470	JAJULA SIVA SAI KISHORE
255	40110471	JAKKULA ANJEESHWAR
256	40110472	JAKKULA MAHESH
257	40110473	JALA JESON
258	40110474	JALLURI RAGHAVA RANJITH
259	40110475	JAMES VASANTH. J
260	40110476	JAMI SAHITH PRATHYSHA
261	40110477	JANALA CHETAN GANESH
262	40110478	JANAPATI KARTHIK
263	40110479	JANKE NAGARJUNA REDDY
264	40110480	JASTI PRUDHVI RAJ
265	40110481	JASWANT SINGH
266	40110482	JASWANTH REDDY VANIPENTA
267	40110483	JATIN RAJ. T
268	40110484	JAVALKAR KAVYA SUDHA
269	40110485	JAVVAJI VIJAY
270	40110486	JAYACHANDRA BERABOINA
271	40110487	TIRUMANI JAYA KRISHNA
272	40110488	JAYA KUMAR. D
273	40110489	JAYARAAM. S.P
274	40110490	JEES ROVELING. M.S
275	40110491	JEEVA BHARTHI. S
276	40110492	JEEVANANDH.M
277	40110493	JEFRIN. J

278	40110494	JEREMY GIDEON. J
279	40110495	JERISHA BERIL. S.J
280	40110496	JESLENE SUGEE
281	40110497	JETTI CHANDRA HASINI
282	40110498	JIJU. J
283	40110499	JINIYA GUPTA
284	40110500	JITHESH. T
285	40110501	JOEL ROBIN JULIAN. S
286	40110502	JONNA VENKATA SUDHARSHAN
287	40110503	JOSEPH CHRISTOPHER. N
288	40110504	JOSEPH SAM PAUL. P
289	40110505	JOSHIKA MALAI MAGAL
290	40110506	JOSHUA RONALDINO. P
291	40110507	JOSVA HEVIN. S
292	40110508	JUTURU NARENDRA KUMAR REDDY
293	40110509	JYESTADI RAHUL
294	40110510	BASINENI JYOTHI SWAROOP
295	40110511	KARTHEESWARAN. R
296	40110512	KAARTHICK. C

PHOTOS





SATHYABAMA



INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

ACCREDITED WITH "A++" GRADE BY NAAC | 12B STATUS BY UGC | APPROVED BY AICTE
WWW.SATHYABAMA.AC.IN



SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE OF APPRECIATION

This certificate is awarded to

MS. P DIVYA DHARSHINI

For successfully completing

VALUE ADDED COURSE – DEEP LEARNING

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from July 18 2022 to July 23 2022.

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

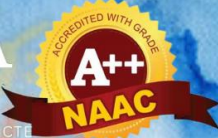
DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE

WEB DEVELOPMENT



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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NBA **QS STARS** **ACTE** **nirf** **QS I-GAUGE**
RATING SYSTEM DIAMOND

School of Computing
Department of Computer Science and Engineering
Organizes
VALUE ADDED PROGRAM
ON
"WEB DEVELOPMENT "
PROGRAM CO ORDINATOR
Dr.ANTO PREVEENA
18.07.2022 TO 23.07.2023 (Online Mode)

CHIEF PATRONS:
Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

PATRON:
Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:
Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE

Registration Link

<https://forms.RTsfe/zMZGEvz2B2BzAk1gZ>



COURSE OBJECTIVES:

- To develop dynamic Web pages with high level of design and graphics.
- To apply prevailing technologies in the development of Web pages.
- To provide a platform for the learners to become a full stack developer.
- To Become a Full Stack Developer
- To understand the basics of Content Management Systems (CMS)

COURSE OUTCOMES:

Upon successful completion of this course students should be able to:

- Develop Web Applications using the current technologies and Web standards
- Apply styling, dynamic interaction with the Web components
- Develop Interactive Web Apps using AJAX, jQuery and JavaScript
- To develop Server-Side Scripting with PHP
- Able to communicate between front end and back end applications.

COURSE CONTENT:

HTML 5

Getting Started, Client-Side Scripting, Server-Side Scripting, Tools for Web Application Development, HTML Tags, Labels, Input, Dropdowns and Radio Buttons, Lists, Div and Span, Attributes, Tables, Buttons, Forms.

CSS 4 – Basics, Inline CSS, Internal CSS, External CSS, Selectors, Colours, Fonts, Alignment, Cascading, Animation, Media.

Bootstrap 4.5 - Colors and Backgrounds, Input Controls, Spacings, Tables, Forms, Navbars, Flexbox and Layout.

JavaScript – Variables, Operators, Conditional Statements and Loops, Arrays, Functions

(user defined and built – in), Objects: Math, Date, Numbers, String.

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	40110513	KAARTHIK GANAPATHY. S
2	40110514	KADAMBA SATYA BHASKAR
3	40110515	KAGITA KHEMA CHANDU
4	40110516	KAILASAM KHUSHI
5	40110517	KAKARLA DEVI SAI PRASAD
6	40110518	K MOHAN PHANI KRISHNA
7	40110519	KAKUMANU GEETHA MADHAV
8	40110520	KALANIDHI. S
9	40110521	KALAIRAJ. R
10	40110522	KARANGI PRAVEEN KUMAR
11	40110523	KALLU VENKATA VAMSIDHAR
12	40110524	KALLURI VENKATESH
13	40110525	MACHINENI KALYAN RAM
14	40110526	KALYANAPU BHAVANA
15	40110527	KAMBLE SAINATH
16	40110528	KAMBHAM DEVI CHARAN
17	40110529	DHANESWAR REDDY. K
18	40110530	KAMBHAMPATI RANJITH KUMAR
19	40110531	KAMIREDDY NAVYA REDDY
20	40110532	KANCHARLA AKHIL
21	40110533	KANDAGATLA CHARITH
22	40110534	K N VENKATA SAI PAVAN
23	40110535	KANDULA VENKATA SAI KUMAR
24	40110536	SAI KRISHNA TEJA. K
25	40110537	K S V SIVA SRAVANTH KUMAR
26	40110538	R J KANISHK ABINEY
27	40110539	KANNURI ADI KIRAN
28	40110540	KANTA DURGA PRASAD
29	40110541	KANTHALA SACHIN
30	40110542	KANTIPAKA TEJAYANTH
31	40110543	KANUGULA KARTHIKEYA
32	40110544	KHANUGULLA SHARATH CHANDRA
33	40110545	KAPARTHI SREEJA
34	40110546	KAPATI KEERTHI
35	40110547	KARAN. P
36	40110548	KARAN MAHTO
37	40110549	KARAN NITHIN
38	40110550	KARANAM SHASHANK RAO
39	40110551	KARETI NIRANJAN REDDY

40	40110552	KARRI VISHNU SAI RAMA REDDY
41	40110553	KARTHICK RAJA
42	40110554	KARTHICK. S
43	40110555	NARA KARTHIK CHOWDARY
44	40110556	MARREDDY KARTHIK REDDY
45	40110557	KARTHIK. M
46	40110558	KARTHIKEYAN. M
47	40110559	KARTHIKEYAN. S
48	40110559	KARTHIKEYAN. S
49	40110559	KARTHIKEYAN. S
50	40110562	KARUMULLA KAUSHIK REDDY
51	40110563	HEMANTH KUMAR. K
52	40110564	KASANI SOWJANYA DURGA
53	40110565	KASARAM HARSHA VARDHAN
54	40110566	K KRISHNA MADHAVA REDDY
55	40110567	KATA JYOTHI
56	40110568	KATAKAM VMNS NITIN
57	40110569	KATTARI SAI KRISHNA
58	40110570	KATEPALLI DEVA NAGA SAI KUMAR
59	40110571	KATHIRAVAN. M
60	40110572	KATIKA GANESH
61	40110573	K J SHANKAR SWAMI SANDEEP
62	40110574	KATTA JAYA DURGA PRASAD
63	40110575	KATTA JAYANTHI VISHNU
64	40110576	KATTA MOUNIKA
65	40110577	KATTA THANAY
66	40110578	KATTELA SANTHOSH REDDY
67	40110579	KAUSHIK BABU. R
68	40110580	KAVALIPATI SAI KIRITI
69	40110581	KAVIN. AM
70	40110582	KAVINDRAA. G.S.S
71	40110583	KAVIYA. G
72	40110584	KEERTHI AKASH
73	40110585	KESHAV KUMAR
74	40110586	Kethineedi sri sai Jagannadh
75	40110587	KEVIN SAM MATTHEW. G
76	40110588	KEVIN SAMSON. R
77	40110589	KHAJA MOHIDEEN. S
78	40110590	KHANDAVALLI. DHEESWAR
79	40110591	KINGSLEY ISAAC. P
80	40110592	KIRUBA SANTOSHI. S
81	40110593	KIRUTHIK. S
82	40110594	KIRUTHIKA. T
83	40110595	KIRUTHIKNIVAS. R
84	40110596	KISHORE. R
85	40110597	KISHORE KUMAR. R.S
86	40110598	KISHORE.D
87	40110599	KODALI SAI VENKAT
88	40110600	KODAVATI BHARATH SRI SAI CHARAN

89	40110601	K HEMANTH SAI SATYANARAYANA
90	40110602	SAI MANOJ KUMAR. K
91	40110603	KODURU MANOHAR REDDY
92	40110604	KODURU VASU
93	40110605	KOGANTI DEADEEPPYA
94	40110606	KOLA HEMANTH VENKAT
95	40110607	KOLA SRI SIVA DURGA SATYA SURYA RAM
96	40110608	KOLASANI ADARSH
97	40110609	KOLATI SAI KIRAN
98	40110610	KOLI PAKA SAI RAM
99	40110611	KOLIPARTI V.S.S.B. DINESH KUMAR
100	40110612	K N V AMARA KOTESWAR
101	40110613	AASRITHA VASISTA KOLLA
102	40110614	KOLLATI CHINA SATYA NARAYANA RAJU
103	40110615	KOMARIKA GOWRI SHANKAR
104	40110616	KOMATI DILEEP
105	40110617	KOMATIREDDY JAGADEESHWAR REDDY
106	40110618	KOMMAREDDY SANTHI SRI
107	40110619	KOMMI HARSHA
108	40110620	KONAGALLA AKSHAY
109	40110621	KONDA.NITHIN
110	40110622	KONDAPALLI DEVI PRIYANKA
111	40110623	KONDAPALLI JOSHITHA
112	40110624	K RAVI KUMAR REDDY
113	40110625	KONDEPUDI BHARGAV MADHUKAR
114	40110626	KONKA KARTHIK
115	40110627	K HONEY PRASANNA REDDY
116	40110628	KORUPOLU UDAY KUMAR
117	40110629	KOTA BHARATH PAVAN KUMAR REDDY
118	40110630	KOTA SUSMITHA
119	40110631	KOTA THARUN SAI
120	40110632	KOTARU SRINIVAS
121	40110633	DAVULURI KUTESWARA RAO
122	40110634	KOTHA SAI SRI KRISHNA HARSHITH
123	40110635	KOTHA SRI SAI ROHITH
124	40110636	KOTHA VENKATA NAGA SAI TEJA
125	40110637	KOTHAMASU LAKSHMI PAVANI
126	40110638	KOTLA CHARAN
127	40110639	KOTTAPALLI SAIKIRAN
128	40110640	KOTTHURU GURU CHARAN
129	40110641	KOUSHIK. S
130	40110642	SRINIVASA KRISHNA TEJA. K
131	40110643	KOVVURI JAI SEKHAR KRISHNA REDDY
132	40110644	KOVVURI RISHI VARSHITHA REDDY
133	40110645	KOWTHARAPU KESAVA SAI
134	40110646	K SRI RAJ MOHITH SHEETAL
135	40110647	KUCHIBHOTLA SAI LAKSHMI PRANATHI
136	40110648	KUKKALA VISWA VIJAY

137	40110649	KUMMARI KULLAI BABU
138	40110650	KUMMITHA CHENNA KESAVA REDDY
139	40110651	KUNA SAI PRASANNA KUMAR
140	40110652	KUNAL SAHA
141	40110653	KUNKU MADHU
142	40110654	KUNTAMUKALA SASIDHAR
143	40110655	KUPPARAPU JOYSHNA ALEKHYA
144	40110656	KURAPATI KRISHNA SAI SRIRAM
145	40110657	RAKESH KURAPATI
146	40110658	Kurra Karthikheyaa
147	40110659	KURRA MEGHANA
148	40110660	SIDDARTHA KURUBA
149	40110661	KUSAMPUDI HIMA SAGAR VARMA
150	40110662	KUSANAM LAVANYA MANIKANTA
151	40110663	KUSUMANCHI VENKATA SIVA PRAKASH
152	40110664	LABIN SAM. M
153	40110665	LAGISHETTY ARUN KUMAR
154	40110666	LAKSHMI PRIYA. S
155	40110667	SATTI LAKSHMI SUREKHA REDDY
156	40110668	LANKI REDDY KARTHIK REDDY
157	40110669	PAYALA LAVANYA
158	40110670	LEELAVATHY B
159	40110671	LEKKALA LOWKYA
160	40110672	LEMATI ANIL KUMAR
161	40110673	CHOLAVETI LIKHITH
162	40110674	LINGAMPALLI BHARATH SAI
163	40110675	LINGESH. S
164	40110676	LINGUTLA KIRAN KUMAR
165	40110677	KAMIREDDI LOKESH
166	40110678	LOKESH RAM. H
167	40110679	LOKESHWARAN. R.J
168	40110680	MAATHVI DARPALY
169	40110681	MADAVARAM MANEESH RAO
170	40110682	MADDALI AMARENDRA KUMAR
171	40110683	MADDI LALITH
172	40110684	MADDI SAI SURYA VIGNESHWAR
173	40110685	M MANOHAR REDDY
174	40110686	MADDINENI CHARAN MANI
175	40110687	MADESH. M
176	40110688	MADHA SUJAN
177	40110689	MADHUMITHA.M.V
178	40110690	MADALA MADHURI
179	40110691	KANNEBOINA MADHU YADAV
180	40110692	MADIREDDY SAI RUTHVIK
181	40110693	MAGESH KUMAR. B
182	40110694	MAGULURI CHENNA MALLESWARA RAO
183	40110695	MAITREYI. R
184	40110696	MAJETI GUNA SEKHAR
185	40110697	MAJJIGA SUMANTH REDDY

186	40110698	MAKINEEDI SOWMYA SRI LAKSHMI. B
187	40110699	MAKKENA MOHAN NAGESWARA RAO
188	40110700	MALA HARISH. A
189	40110701	MALE SAI VINAY
190	40110702	MALINI SENGUPTA
191	40110703	MALLA NAVEEN KUMAR
192	40110704	MALLA VIVEK SATYA SAI
193	40110705	MALLADHI SIVAMANI
194	40110706	MALLAMPATI ANANYA
195	40110707	MALLE MAHESH
196	40110708	MALLEMULA VENKATA HEEKSHIT
197	40110709	M M VENKATA SURYA TEJA REDDY
198	40110710	MALLIDI VENKATA SUKUMAR REDDY
199	40110711	MALLU YASHWANTH REDDY
200	40110712	MANASA. B
201	40110713	MANCHALA SAI CHANDU
202	40110714	MANCHUKONDA SAI PRANAV
203	40110715	MANDA SHASHIDHA REDDY
204	40110716	MANDALANENI MURALI KRISHNA
205	40110717	MANDAPALLI RITHWIK REDDY
206	40110718	MANDARAPU LOKESH
207	40110719	MANDARAPU VENKAT SHYAM SUDAR
208	40110720	MANDAVA SANDEEP
209	40110721	MANEPALLI VIJAYA VARDHAN
210	40110722	KISHORE BALAJI. M
211	40110723	MANGALA SAI UDAYA KEERTHI
212	40110724	MANGALI KARTHIK
213	40110725	MANIGANDAN. V
214	40110726	MANIKANDAN. S
215	40110727	MANIKINDI VISHNU KUMAR
216	40110728	MANISH KUMAR MANI
217	40110729	MANJULA MAHESH
218	40110730	MANOJ. K
219	40110731	MANOJ. V
220	40110732	MANUGURI SAI SWETHA
221	40110733	M HEMANTH KUMAR
222	40110734	MARELLA MANOJ
223	40110735	MARIA MYSTICA ABRAHAM
224	40110736	MARNI DEV DINESH
225	40110738	MARRAPU MOHAN KRISHNA
226	40110739	MAREEDDY CHARAN BAPI REDDY
227	40110740	MARRIPATI VIJAY KUMAR REDDY
228	40110741	MASIBOYINA HIMA VARSHA
229	40110742	MASIMUKKU REVANTHI
230	40110743	MATAM MANJUNATH
231	40110744	MAVILLAPALLI DEEKSHITHA
232	40110745	MEDA SREEKETH REDDY
233	40110746	JHANSI ARUNA MEDAPATI
234	40110747	MEDHATITHI BHATTACHARJEE

235	40110748	MEESA SATHWIK
236	40110749	MEESALA MANIKANTA
237	40110750	MEGHA KUMARI
238	40110751	MEHUL RAJ
239	40110752	MEKA SRIKAR
240	40110753	MEKALA ROHIT
241	40110754	MEKALA SACHITH REDDY
242	40110755	MEKALA VENKATA SAI KUMAR REDDY
243	40110756	RAPAKA MELCHI ZEDEK
244	40110757	MELVIN SANJAY
245	40110758	MIDDI MEGHANA
246	40110759	MIHIR KUMAR
247	40110760	MIRVIZARATH ALI
248	40110761	MIRYALA SANJAY
249	40110762	MISHRA SATYAM MUNNU
250	40110763	S MITHINESH JAYA KUMAR
251	40110764	MITTAPALLI SAI SAMPATH
252	40110765	MODUPALLI JAYA SHRE
253	40110766	MOHAMED BAASIL. P
254	40110767	MOHAMED NOUSATH. M
255	40110768	MOHAMMAD FARHAN. N
256	40110769	MOHAMMED ARSHAD. A
257	40110770	MOHAMMED BASHEERUDDIN. J
258	40110771	MOHAMMED INTHYAZ. M
259	40110772	MOHAMMED SAQLAIN
260	40110773	MOHAMMED SHEES
261	40110774	MOHAMMED YOUSUF. H
262	40110775	MOHAN KUMR. V
263	40110776	MOHANA VEL. C
264	40110777	MOHIT PRAJAPAT
265	40110779	MONISH.V
266	40110780	MOPURI BHARATH KUMAR REDDY
267	40110781	MOSES E. CORNELIUS
268	40110782	MOSES GUNA. R
269	40110783	MOTAPALUKULA ABHI RAMA KRISHNA MOYYA SYAM SIVA SANKAR PRASAD NAIDU
270	40110784	
271	40110785	MUDDAM VENKATA MANI
272	40110786	MUDDAMSETTY VENKATA GANESH KUMAR
273	40110787	MUDDINENI ESWAR KUMAR
274	40110788	MUKILAN. B
275	40110789	MULE SUMANTH REDDY
276	40110790	MULLAMURI MAHENDRA
277	40110791	MULLAPUDI AVINASH
278	40110792	Mullapudi Sai Karthik
279	40110793	MULLAPUDI VENKATA SAI PAVAN MUMMADI VENKATA SAI PRASADA REDDY
280	40110794	
281	40110795	MUMMIDI DHARMA TEJA

282	40110796	MUNI REDDY GOWTHAM
283	40110797	MUNUMURI CHAITHRA
284	40110798	MUPPARAJU SAI CHARAN
285	40110799	MUPPASANI JAYA SRI
286	40110800	MUPPASANI NIKHITH
287	40110801	NAGULAPATI MURALI KRISHNA
288	40110802	MURALIDHARAN. T
289	40110803	MURALI KUMAR
290	40110804	MURARISHETTI HARSHITHA
291	40110805	MURLIDHAR
292	40110806	MURLIDHAR PATHAK
293	40110807	MYAKA AKSHAYA
294	40110808	MYGAPULA HANUMA SATYA AKHIL
295	40110809	M V RAGHAVENDRA SRI HARSHA
296	40110810	MYNENI RAMA KRISHNA PRABHU KUMAR
297	40110811	N HARI KRISHNA SAI
298	40110812	NADIMPALLI SRIRAM
299	40110813	NAGA VENKATA RAVI TEJA KURRA
300	40110814	JAVVADI NAGA VENKATA TULASI RAM
301	40110815	NAGANDLA SAI SREEJA
302	40110816	NAGARJUNA. G.K
303	40110817	NAKKA TEJA SRI
304	40110818	NALAMOLU HARSHA VARDHAN
305	40110819	NALI SRI HARI
306	40110820	NALLABOTHULA RAHUL SAI
307	40110821	NALLAGONDU HARSHA VARDHAN REDDY
308	40110822	NALLAPANENI SAKETH
309	40110823	Nallaparaju Pranav Varma
310	40110824	VIVEK
311	40110825	NANCY KAMALA
312	40110826	NANDHINI. S
313	40110827	NANDHINI. M
314	40110828	NANDIGAM KUMAR SATYARAM
315	40110829	NANDINA DHARMIKA
316	40110830	NANNAN. A
317	40110831	NARA VEDAYASS
318	40110832	NARABOYINA NAGENDRA KUMAR
319	40110833	NARAGANI DURGA DILEEP KUMAR
320	40110834	NARAHARI ASMITHAN JALI
321	40110835	NARENDRAVARAPU V V PAVAN KUMAR
322	40110836	NARISE SHYAM
323	40110837	NASAKA TARUN
324	40110838	NAVANEETH. P
325	40110839	CHANDU NAVEEN
326	40110840	NAVEEN KUMAR. N
327	40110841	NAVEEN RAJ. K
328	40110842	NAVIN BALAJI. V.S
329	40110843	NAVULURI SAI RAM
330	40110844	NAYAGAPULA SATISH KUMAR

331	40110845	NAGAM ASAWA
332	40110846	NAYAN SAVARIA
333	40110847	NAYUDU NAVEEN KUMAR
334	40110848	NEERAJ KUMAR. K
335	40110849	KODATI NEHA NANDINI
336	40110850	NELLURI RAJESH
337	40110851	NEMILIDINNE SOMANATH REDDY
338	40110852	SAI SUMANTH. N
339	40110853	NEVIN S PHILIP
340	40110854	NIKILE. T
341	40110855	NIKITA KUMARI
342	40110856	VOLIPI NIRANJAN
343	40110857	NIRANJAN. C
344	40110858	NIRMAL KUMAR

PHOTOS

REC

Row Transposition Ciphers.

Plaintext is written row by row in a rectangle.

Ciphertext: write out the **columns** in an order specified by a key.

Key: 3 4 2 1 5 6 7

Plaintext:

Ciphertext: **TTNA**APTMTSUOAODWCOIXKNLYPETZ

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○

|||

◀

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SATHYABAMA



INSTITUTE OF SCIENCE AND TECHNOLOGY
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WWW.SATHYABAMA.AC.IN



SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE OF APPRECIATION

This certificate is awarded to

MR. M. MAHI SAICHARAN

For successfully completing

VALUE ADDED COURSE - WEB DEVELOPMENT

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from July 18 2022 to July 23 2022.

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
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ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



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School of Computing
Department of Computer Science and Engineering
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VALUE ADDED COURSE PROGRAM
ON
"ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING "

"PROGRAM CO ORDINATOR "
DR. KAMALESH

FROM 18.07.2022 TO 23.07.2022 (Connect through Zoom)

CHIEF PATRONS:

Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

Registration Link

<https://forms.gle/zdcfgvz2B2BzAk1g7>

PATRON:

Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE



COURSE OBJECTIVES:

- To cite the difference between various sub domains of Artificial Intelligence and Machine Learning.
- To introduce students to the basic concepts and techniques of Machine Learning.
- To understand the various characteristics of intelligent agents
- To learn the different search strategies in AI.

COURSE OUTCOMES:

Upon successful completion of this course students should be able to:

- An ability to identify, analyze the search algorithm for the AI problems
- Classify the data from given dataset using simple machine learning algorithms.
- Capable of confidently applying common Machine Learning algorithms in practice and implementing their own
- understand modern notions in data analysis-oriented computing;

COURSE CONTENT:

Introduction to Artificial Intelligence

AI: Building machines through human eyes, Definition, Terminologies, Types. (h1)

Introduction – Foundations of AI – History of AI – Intelligent agent – Types of agents (h2)

Case Study: Classification using different machine learning algorithms. (h3)

Uninformed search strategies

Uninformed search strategies – Breadth first search – Uniform cost search – Depth first search – Depth limited search – Bidirectional search. (h1)

Informed search – Strategies – A* Heuristic function – Hill Climbing (h2)

Pruning - Imperfect decisions – Alpha-Beta pruning – Games that include an element of chance. (h3)

Introduction to Machine Learning

Introduction: Machine learning - examples of machine learning applications –

Learning associations (h1)

Types: Types of Machine Learning with examples (h2)

Case Study: Applications of supervised learning (h3)

Supervised Learning

Supervised Learning concepts: Uses and Working of Unsupervised Learning (h1)

Types: Classification and Regression with examples (h2)

Case study: Decision Trees -Univariate trees -Multivariate trees - Learning rules from data – Linear Discrimination (h3)

Unsupervised Learning

Unsupervised Learning concepts: Uses and Working of Unsupervised Learning (h1)

Types: Clustering and Association with examples (h2)

Case study: Algorithms of unsupervised learning (h3)

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	40110859	NISHANT RAJ
2	40110860	NISHIKA SAH
3	40110861	NISHWANTH. S
4	40110862	NITESH KUMAR SINGH
5	40110863	NITHEESH. S.K.G
6	40110864	NITHYASRI PRABHA. S
7	40110865	NITTALA SRI RAMYA
8	40110866	NIVASH. V
9	40110867	NOMULA REDDY LALITHA
10	40110868	NUKALA DINESH REDDY
11	40110869	NURUKURTHI. TARUN KUMAR
12	40110870	NUTHANAKALUVA CHETAN REDDY
13	40110871	SRAVANTHI. N
14	40110872	OMAR FARHATH. F
15	40110873	K P KRISHNA SWAMY REDDY
16	40110874	SAI GANESH
17	40110875	PACHABATLA VENKAT KISHORE
18	40110876	P N S S JYOTHSWARUP REDDY
19	40110877	PAVAN KALYAN REDDY
20	40110878	PADILAM SREERAM SATISH
21	40110879	PADMANABHA ROY
22	40110880	PAGADAVARAPU UMESH CHOWDARY
23	40110881	PAILA TARUN
24	40110882	PALAGIRI SAMEERA BHANU
25	40110883	PALAMAKULA ABHINAVA REDDY
26	40110884	AKHIL KUMAR REDDY PALANKI
27	40110885	PALLAPOLU MAHESH BABU

28	40110886	PALLAPOTHU RAGHA NIKHITH
29	40110887	PALLETI BALA SUBRAHMANYAM
30	40110888	DAVID RAJU. P
31	40110889	PALLETI KIRAN KUMAR REDDY
32	40110890	PALLETI VENKATA MADHAVA REDDY
33	40110891	PALUGULLA MEGHANA
34	40110892	PALUKURI BHARAT REDDY
35	40110893	PALUKURI VENKATA SAI SUSHANTH
36	40110894	Keerthana Pammi
37	40110895	PAMPANA BALA KRISHNA
38	40110896	PANDRAJU N RAMA VENKATA SATHYA SHESHU SAI
39	40110897	PANGALA JAGADEESH MANDADI
40	40110898	PAPISETTI SUSHMA SRI
41	40110899	PAPI SETTY KEERTHI SRI
42	40110900	PAPULA SAI CHARAN REDDY
43	40110901	PARAMSETTI MANOJ
44	40110902	PARANIDHARAN. M
45	40110903	TEJA PARELLA
46	40110904	PARIDALA AKASH
47	40110905	PARITOSH ATTKETI
48	40110906	PARJAPNOAR PAVAN
49	40110907	PARTHIBAN. R
50	40110908	PARUPALLI EESHWAR RAJ
51	40110909	PARVATHINI SRI ANJANA CHOWDARY
52	40110910	PASALA VINAYA BABU
53	40110911	PASAM CHANAKYA
54	40110912	PASUPULETI JAGADEESWARA PAVAN KUMAR
55	40110913	PASUPULETI JASWANTH KUMAR
56	40110914	PATAN FIROZ KHAN
57	40110915	PATCHIPULUSU LEELA SRI SAIGANESH
58	40110916	PATEL KARTHIK REDDY

59	40110917	PATHAKAMURI VINAY KUMAR
60	40110918	PATHI NITHISH
61	40110919	PATHI VENKATESWARLU
62	40110920	PATHI KONDA VENU
63	40110921	PATIL MURALIDHAR REDDY
64	40110922	PATTAN ADIL ALI KHAN
65	40110923	P GARI MOHITH REDDY
66	40110924	PAVAN KALYAN. K
67	40110925	PAVAN KUMAR. M.S
68	40110926	NIDUBROLU PAVAN SANDEEP
69	40110927	PAVANI. C.S
70	40110928	PAVITHRA. B
71	40110929	PAVULURI SAI PAVANI
72	40110930	PEDDI AKSHITHA
73	40110931	PEDDINENI VARSHITHI
74	40110932	PEDDISSETTY NAGA VIGNA
75	40110933	PENDELA ESWAR MANI
76	40110934	SAIRAM PENDEM
77	40110935	P VPAVAN SAI AKHILESH VARMA
78	40110936	PENNA GAYATHRI
79	40110937	PERNAMITTA SRI RAM HARSHA
80	40110938	PETA LAKSHMI SUDHEER
81	40110939	P GARI HEMANTH KUMAR REDDY
82	40110940	PETLA SIDDHARTHA
83	40110941	PILLA SAI PHANINDRA SRINIVASA DHARAHAS
84	40110942	DURGA PRAKASH. P
85	40110943	Pillivutla SaiPrasanna
86	40110944	PINGILI SAATWI
87	40110945	PITTALA MANICHARAN
88	40110946	Piyush Gaurav
89	40110947	PODILA KEERTHANA

90	40110948	POLAKA INDRA SENA REDDY
91	40110949	POLAM NAGA NOOKA RAJU
92	40110950	POLAMREDDY KARTHIK REDDY
93	40110951	P CHINNI SAI MAHATHI
94	40110952	POLI NAVEEN KUMAR REDDY
95	40110953	POLINA VAMANA KEERTHI
96	40110954	POLISETTY ESWAR PRASAD
97	40110955	POLU BHAVAGNU REDDY
98	40110956	MOTHISH REDDY. P
99	40110957	POLURI SAI TARUN
100	40110958	PON RAJA PRABHU. S.K
101	40110959	PONDURU SANDEEP
102	40110960	PONNAGANTI VENKATESH
103	40110961	PONNAM BALAKRISHNA
104	40110962	POOJA.RA
105	40110006	AARTHI. R
106	40120002	ABDUL AJEES. I
107	40120003	ABEL PRIYAKUMAR. P
108	40120004	ABHISHEIK. R
109	40120005	ABINAYA. B
110	40120006	AGASH.K
111	40120007	AJAY. B
112	40120008	ALINA MUSHTAQ
113	40120009	ALOYSIUS JOSEPH
114	40120010	AMAAN ALI
115	40120011	AMRITHAA ASHOK
116	40120012	ANISH KUMAR. A.S
117	40120013	ANTON JUBIN. R
118	40120014	AVINASH. K
119	40120015	MAHESH SAI BANDARU
120	40120016	BHARTI SINGH

121	40120017	BHUVANESHWARAN. S
122	40120018	BOOMINATHAN. M
123	40120019	CHABATHULA VAZRA HIMA BINDHU
124	40120020	CHARULATHA. K
125	40120021	CHERUKU NITHESH REDDY
126	40120022	CHINDULURI REDDY VENKATA MOHITHESWAR
127	40120023	CLAUDIA PRINCY. V
128	40120024	DANISH HARRISON J
129	40120025	DEEPAK. S
130	40120026	DHANALAKSHMI. S
131	40120027	DHANUSH RAJ. M
132	40120028	DINESH RAJA RADHA
133	40120029	DISHA BHAVANI. M
134	40120030	DIVYADHARSINI .P.S
135	40120031	DON INIGO. S
136	40120032	FELISHIA SELAS.C
137	40120033	GUNNAM SMARAN
138	40110429	HARIHARAN. V
139	40120035	HARISH. A
140	40120036	IDRIS AHMED
141	40120037	JABIN RAJA SOLOMON. S
142	40120038	JAGADEESH. V
143	40120039	JANANI. N
144	40120040	JASON KEVIN
145	40120041	JAYASRI.R
146	40120042	KALVA POOJITHA
147	40120043	KARRI DUNDY NAGAVEERA SAI PRANAY
148	40120044	Kavitha
149	40120045	KAVIYA. S
150	40120046	KIRTHIGA. V
151	40120047	KISHORE. K

152	39110501	KISHORE KUMAR K
153	40120049	KISHORE KUMAR. K
154	40120050	AKSHAY KOLLIMARLA
155	40120051	KRISHNA KUMAR VYAS
156	40120052	KRISHNA PRIYA. R.S
157	40120053	MANIKKAM. S
158	40120054	MANISH SINGH
159	40120055	MATTA VENKATA RAHUL
160	40120056	MOHAMED ABDULLAH. K
161	40120057	MOHAMED RAMEEZ. N
162	40120058	MONEESH. S
163	40120059	MUKESH KUTTAN. C.P
164	40120060	MUTHU YASHWANTH. S
165	40120061	NALLA UDAY KIRAN
166	40120062	NAREN. D
167	40120063	NARISSETTY SRINIVASA RAO
168	40120064	NIKITA ANGELINE DAVID
169	40120065	PAVITHRAA. S
170	40120066	PRASANNA KUMAR.S
171	40120067	PRASEMA FEMI GRACE. P.W
172	40120068	PRAVEEN. N
173	40120069	PRAVINA. S
174	40120070	PRIYADARSHINI. R
175	40120071	RAJA REGAN.A
176	40120072	RAJALASHMI. R
177	40120073	RAMASAMY. N
178	40120074	REEYA B. VARGHESE
179	40120075	ROHITH. P
180	40120076	SAGAR KUMAR
181	40120077	SAKTHI VINAYAK
182	40120078	SANJAIKANTH. J

183	40120079	SANJAY. S
184	40120080	SANJAY KUMAR. S.M
185	40120081	SANTHOSH. J
186	40120082	SARA GADAM LAYA NANDAN
187	40120083	SELSYA JENIFER.L
188	40120084	SHALOM JABARAJ. J
189	40120085	SIMSON. J
190	40120086	SOUMYADEEP DAS
191	40120087	SOWMIYA.R.K
192	40120088	SREERAMOJU SHRADDHA
193	40120089	SRIDEVI SRIDHARAN
194	40120090	SRIJITH.B
195	40120091	SRINIVAS. K.N
196	40120092	SRIRAM. J
197	40120093	SRIVARDHAN. C
198	40120094	SUDHARSAN. P
199	40120095	SURAVARAM DHANUSH
200	40120096	SURIYA. S
201	40120097	TAMILINIYAN. P
202	40120098	THIRISHA. A
203	40120099	THIRUNAVUKARASAR. N
204	40120100	TUFFIN SANDO. J
205	40120101	VAIBHAV SINGH
206	40120102	VASANTH KUMAR. M
207	40120103	VELAN. S
208	40120104	VIGHNESH. SU
209	40120105	VIGNESH. K.S
210	40120106	VIJAY SRINIVASAN. M
211	40120107	VISHVASHWARRAN V B
212	40120108	VISHWA. L
213	40120109	VISHWA. B

214	40120110	TULLURI KEERTHINADH
215	40120111	KOLLI SRIKANTH
216	40120112	PRANESH PRIYANSHU
217	40120113	R V NITESH KUMAR
218	40120114	NARAMAMIDI SURYA TARUNJEE
219	40120115	SRIJITHI SAI. L
220	40120116	OBINNI VEERA VENKATA DURGA SAI SUDHEER
221	40120117	LEVESH KUMAR. V
222	40120118	ANKIT KUMAR
223	40120119	KOMMURI VAMSI
224	40120120	KUNAL KUMAR
225	40120121	SIVAPRIYA V
226	40120122	SOLAI PAVITHRAN S
227	40120123	SOMDATTA MUKHERJEE
228	40120124	SOMISETTI NAVEEN
229	40120125	SOMU K B
230	40120126	SOUMABHA MITRA
231	40120127	SOUNDARYA R
232	40120128	KODADALA SRAVAN KUMAR REDDY
233	40120129	SRAVYA NAMBURU
234	40120130	SREENIVASAN MANIKANTAN
235	40120131	SREERAM S
236	40120132	SREEVATSAN G
237	40130001	ADEEBA FAIZ
238	40130002	ADITYA KAUSHAL
239	40130003	AGILAN
240	40130004	BOPPANA AJAY DEV
241	40130005	V. AJITHA
242	40130006	AKASH APPADURAI
243	40130007	KATARI AKHILESH
244	40130008	AKKALA SUBBA REDDY

245	40130009	AKSHAT ANAND
246	40130010	ALLURI CHANDU
247	40130011	ALLURU SRIHARI REDDY
248	40130012	ANAND A R
249	40130013	ANBU SELVAN. P
250	40130014	ANUPOJU RAM DURGA PAVAN TEJ
251	40130015	APARNAA. M
252	40130016	ARAVIND. V
253	40130017	ASHWIN SASIKUMAR
254	40130018	ASHWIN BALAJI. V
255	40130019	ATTLURI RAKESH
256	40130020	BALANNAGARI MANIKANTERSHWARA REDDY
257	40130021	BALA VENI SANDEEP
258	40130022	BARIKE SWARNAMUKHI
259	40130023	BAYYAPOUREDDY HEMANTH REDDY
260	40130024	BENISHA. J
261	40130025	BHARATH. R
262	40130026	K. BIRUNDHA
263	40130027	BODDU INDRASENA REDDY
264	40130028	BOGGARAPU VENKAT
265	40130029	BOLLIMUNTHA ANU RADHA
266	40130030	CHALLA SURYA SAI
267	40130031	CHEDE PAVAN KUMAR
268	40130032	CHEPALA PAVAN KUMAR
269	40130033	CHINTHA SREENATH
270	40130034	CHITIKILA VENU MADHAV
271	40130035	CHITTURI MUKESH
272	40130036	DABBERU VAMSIKRISHNA
273	40130037	DAMA VENKATA KISHORE
274	40130038	SHALINI DAMINENI
275	40130039	DASARATHAN BALAJI

276	40130040	PRADEEP DASARI RAJU
277	40130041	DENDUKURI NAGA HARSHITHA
278	40130042	DESINENI SUNANDA KUMAR
279	40130043	DEVA DHARSHANI .S
280	40130044	DEVADHARSHINI S
281	40130045	DEVANAND KUMAR. V
282	40130046	DHANUSH ADITHYA.L
283	40130047	DHANUSRI E
284	40130048	DHINAKARAN. S
285	40130049	DILIBAN
286	40130050	DIRISALA MOHITH
287	40130051	DODDIPATLA PHANINDRA
288	40130052	ELANGOVA. A
289	40130053	ERPA THARUN CHANDRA
290	40130054	EVANA DEEPAK NAIDU
291	40130055	FATHIMA BEGUM
292	40130056	FREDRIC. S
293	40130057	GADI DHANUN AJAY
294	40130058	GAIKOTI DINESH
295	40130059	GALI THARUN DEEPAK
296	40130060	GANDROTHU VINOD KUMAR
297	40130061	GANGI REDDY GARI CHAKRAPANI REDDY
298	40130062	VENKATA SREEKANTH. G
299	40130063	GANUGALA NEERAJA
300	40130064	GARAPATI SHANMUKHA SRINIVAS
301	40130065	GAYATHIRI R
302	40130066	GIRITHAR. G.B
303	40130067	GOKUL RAM.S
304	40130068	GOLLA JAYA SRIVASTAV
305	40130069	GONU GUNTALA MANIKANTA
306	38150033	GOPINATH S

307	40130071	GRANDHI REVANTH
308	40130072	GUDDITI TEJA
309	40130073	GUDDITI TEJESH
310	40130074	GUNASEKARAN. K
311	40130075	G R VEERA VENKATA GIRISH
312	40110429	HARIHARAN. V
313	40130077	HARIPRIYA. S
314	40130078	C.S.HARISH
315	40130079	HARSH TIWARI
316	40130080	ILA VENKATA SITHARAM
317	40130081	INDUKURI KARTHIK VARMA
318	40130082	ISHI GUPTA
319	40130083	JADHAV YUVRAJ NAGESH
320	40130084	JALLA SOMA SUNDAR REDDY
321	40130085	V. JANANI
322	40130086	JAYASURYA.R.R
323	40130087	JENIFER. J
324	40130088	JOVIE SHINOL. J.R
325	40130089	JOVITA PERSIS
326	40130090	JOY NIKHIL. F
327	40130091	KALI ANANTH NAG
328	40130092	KALLURI RAJITHA
329	40130093	KALYANAPU KEERTHI
330	40130094	KAMALESH.R
331	40130095	KAMMATHAM SURYA KIRAN
332	40130096	KANCHAM SAI SHARANYA
333	40130097	KANCHANA
334	40130098	KANDURI SAINADH CHARAN.
335	40130099	K B N VENKATA GOPAL NIKHIL
336	40130100	KANIMOZHI S

PHOTOS





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SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF APPRECIATION

This certificate is awarded to

MR. KAVI VENDHAN

For successfully completing

VALUE ADDED COURSE – ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from July 18 2022 to July 23 2022.



DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING



DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE



DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE

CYBER SECURITY

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VALUE ADDED PROGRAM

ON

"CYBER SECURITY"

RESOURCE PERSON

Mr. KARTHICK

TECHNICAL LEAD- ADVANTAGE PRO

FROM 18.1.2023 TO 23.01.2023

PROGRAM CO ORDINATOR
DR.S.DHAMODARAN

CHIEF PATRONS:

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Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

PATRON:

Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE

Registration Link



<https://forms.gle/zZXDBNEvz2B2BzAk1g7>



STUDENT CO-ORDINATORS:

Ms.Patibandla Sri Pranavi - III CSE
Ms.Patthipaati Chandana - III CSE
Ms.Pancheti Bhavya - III CSE

Course Objectives: -

- To understand the fundamentals of Network security and Cyber security.
- To acquire knowledge about various attacks and detection systems.
- To explore various cryptographic algorithms and authentication methods.
- To learn the real time applications of Cyber security.
- To understand about Cyber laws and IPR act.

Course Outcomes: -

Upon successful completion of this Value added course, the students should be able to:

- Understand the need for Network and Cyber Security and its use.
- Identify various attacks and its consequences in information systems.
- Implement the various cryptographic algorithms.
- Evaluate the various authentication mechanism and hash functions.
- Explore the significant aspects of Cyber security.
- Deal with legal issues of Cyber space.

Course Content: -**Fundamentals of Network Security**

OSI Network model-OSI Architecture- Security Models and Security Mechanisms-Introduction to Network Security-Classical Encryption techniques-Information Security.

Cyber Space and Information Systems

Introduction to Cyber Space-History of Internet-Internet Service Provider-Domain Name Systems-Introduction to Information Systems-Classification of Information Systems-Need for Cyber Security.

Threats and attacks

Security attacks and threats -Introduction to Cyber Attacks -Classification of Cyber Attacks-Classification of Malware-Threats.

Intrusion Detection and Prevention systems

Vulnerability Assessment-Intrusion Detection Systems-Intrusion Prevention Systems-Firewalls-Types of firewalls.

Secure Authentication Methods

Introduction to User Authentication Methods-Authentication Protocols-Kerberos-Hashing function-MD5, SHA-Biometric Authentication Methods-Biometric Systems.

Security Services

Introduction to digital Security-Digital Signature-Web Security-Email Security-Mobile Device Security.

Cyber World

Cyber Crimes-Different Types of Cyber Crimes, Scams and Frauds-Analysis of Crimes, Human Behavior-Stylometry, Incident Handling-Investigation Methods-Criminal Profiling, Cyber Trails.

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	40130101	KANYAA. P
2	40130102	KARRI PAVAN SAI KIRAN
3	40130103	KARRI SURYA VENKATA SAI RAKESH
4	40130104	KARROTHU GANESH
5	40130105	KARTHIKHA SRI. S
6	40130106	KASAGANI PRUDHVI HARI
7	40130107	KATAM ABISHEK GOUD
8	40130108	KATTAM NITHIN GOUD
9	40130109	KATTA VEERA VENKATA PHANI KUMAR
10	40130110	KATTUNGA JAYA RAM
11	40130111	KAVIYAPRIYA V
12	40130112	KERIN. J
13	40130113	KIRAN. P

14	40120049	KISHORE KUMAR. K
15	40130115	KOLLA MADHAN
16	40130116	KONDA RAKESWAR REDDY
17	40130117	KOSURI SAI SRUTHI
18	40130118	KRANTHI KUMAR KAREMPUDI
19	40130119	KRISHNAN. K.T
20	40130120	KRISHNAVENI. S
21	40130121	KURUVAGANTELA HARI
22	40130122	KUSHAL. B
23	40130123	LAKSHMI VAISHNAVI PAIDIPALLI
24	40130124	LARA JENISH. L
25	40130125	LAVANYA. C
26	40130126	LIJUSHA. J
27	40130127	Lokesh
28	40130128	MADDASANI VISHNU VARDHAN
29	40130129	MADDILETI SURAJ
30	40130130	MAHILA. P
31	40130131	Mallela Veera Divya
32	40130132	MANAM LIKHITH REDDY
33	40130133	MANCHALA BHUMIKA REDDY
34	40130134	MANDHATI MANIKANTA
35	40130135	MARELLA THANOOZ KUMAR
36	40130136	MARIA ALPHONSE JEFFREY. J
37	40130137	MARRI AYYAPPA CHOWDARY
38	40130138	MARY SEREN RANJANA. X
39	40130139	MOGESHWARAN.B
40	40130140	MOHAMMED MUJAHID
41	40130141	MOHAMMED SHARUKH HUSSAIN
42	40130142	T. MOHITHAPRIYA
43	40130143	MONISHA .M
44	40130144	YUVARAJ PAVAN. M

45	40130145	IRUKULLA NAGA BHUSHAN
46	40130146	NAMBURI HARSHA VARDHAN
47	40130147	NANDINI. R
48	40130148	NANDYALA PADMAJA
49	40130149	NARAGONI ABHINAY KUMAR
50	40130150	NARRA VENKATA RAMU
51	40130151	S NAVEEN
52	40130152	NAVEEN SRINIVAS.S
53	40130153	NAVIN RAJ. K
54	40130154	NEERAJA
55	40130155	NEGHA. R
56	40130156	NISHA.N
57	40130157	NIVASH. S
58	40130158	NIZHAMUDHIN. N
59	40130159	OJASWINI. D
60	40130160	PALANKI SAI KARTHIKA
61	40130161	PALLAPOTHU KARTHIK CHOWDARY
62	40130162	P V BHUVANA CHANDRA REDDY
63	40130163	PALLEBOYINA VAMSI KRISHNA
64	40130164	NAMRATHA PANDILLA
65	40130165	PARVATHAM SRIRAM
66	40130166	PATCHIGOLLA VISTESH
67	40130167	PACHIPALA SATISH
68	39280022	PAVITHRA D
69	40130169	PAVITHRA.S
70	40130170	PEDA SINGU GOWTHAM
71	40130171	PEDIREDLA SAHITHI
72	40130172	PEELA TARUN SAI
73	40130173	PILLAI SUHESH KRISHNA
74	40130174	PILLI LAKSHMI NARAYANA
75	40130175	PIPALLA KARTHIK ABHIRAM

76	39140039	POOJA A
77	40130177	PRABHAVATHY G
78	40130178	PRADEEP SHARMA
79	40130179	P V V L D S SAI MANIKANTA
80	40130180	V. Priya
81	40130181	PULAPA PURUSHOTHAM
82	40130182	PUPPALA SAHITI KALYANI
83	40130183	RACHAGORLA DAIVAGNA
84	40130184	RAGA VINAY KUMAR
85	40130185	RAGHUMANDA, GOWTHAMI
86	40130186	RAGHUMANDA NANI
87	40130187	BHANU PRAKASH R
88	40130188	RAHAMATHULLAH. R
89	40130189	KODALI RAHUL SAI
90	40130190	RAJA VIJAYENDRA VARMA
91	40130191	RAKSHITHA. K
92	40130192	R G REDDY THIPULURI
93	40130193	RAMKUMAR. M
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95	40130195	RENUGA DEVI. B
96	40130196	RITHIKA RAJA
97	40130197	ROFIN SHALON
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124	40130224	SRIGHAKOLLAPU NAGA SAIRAM
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131	40130231	NIKHITH CHANDRA
132	40130232	TELLAMEKALA MAHESH BABU
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134	40130234	THAMMINIENI VIVEK
135	40130235	THASLIMA BANU
136	40130236	THOTA HEMANTH SAI
137	40130237	BALA BALAJI. T

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141	40130241	U Y SAI ABHILASH
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165	40130265	T NITHIN KUMAR REDDY
166	40130266	KALAPALA NAGA NARENDRA
167	40130267	MATLI NAVEEN KUMAR REDDY
168	40130268	OTHURU AFRID BASHA

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198	40130298	ANDE CHANDRA KANTH

PHOTOS





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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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MR. ADHITYA S
For successfully completing
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conducted by Department of Computer Science and Engineering,
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DEAN
SCHOOL OF COMPUTING



DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE



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72

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



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School of Computing
Department of Computer Science and Engineering
Organizes
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ON
"ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING "
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FROM 18.07.2022 TO 23.07.2022 (Connect through Zoom)

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E-Certificate
will be
provided

COURSE OBJECTIVES:

- To cite the difference between various sub domains of Artificial Intelligence and Machine Learning.
- To introduce students to the basic concepts and techniques of Machine Learning.
- To understand the various characteristics of intelligent agents
- To learn the different search strategies in AI.

COURSE OUTCOMES:

Upon successful completion of this course students should be able to:

- An ability to identify, analyze the search algorithm for the AI problems
- Classify the data from given dataset using simple machine learning algorithms.
- Capable of confidently applying common Machine Learning algorithms in practice and implementing their own
- understand modern notions in data analysis-oriented computing;

COURSE CONTENT:

Introduction to Artificial Intelligence

AI: Building machines through human eyes, Definition, Terminologies, Types.

Introduction – Foundations of AI – History of AI – Intelligent agent – Types of agents (h2) **Case Study:** Classification using different machine learning algorithms.

Uninformed search strategies

Uninformed search strategies – Breadth first search – Uniform cost search – Depth first search – Depth limited search – Bidirectional search.

Informed search – Strategies – A* Heuristic function – Hill Climbing

Pruning - Imperfect decisions –Alpha-Beta pruning – Games that include an element of chance.

Introduction to Machine Learning

Introduction: Machine learning - examples of machine learning applications –
Learning
associations

Types: Types of Machine Learning with
examples

Case Study: Applications of supervised
learning

Supervised Learning

Supervised Learning concepts: Uses and Working of Unsupervised
Learning

Types: Classification and Regression with
examples

Case study: Decision Trees -Univariate trees -Multivariate trees - Learning rules from data – Linear Discrimination

Unsupervised Learning concepts: Uses and Working of Unsupervised Learning

Types: Clustering and Association with examples **Case study:** Algorithms of unsupervised learning

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	40110859	NISHANT RAJ
2	40110860	NISHIKA SAH
3	40110861	NISHWANTH. S
4	40110862	NITESH KUMAR SINGH
5	40110863	NITHEESH. S.K.G
6	40110864	NITHYASRI PRABHA. S
7	40110865	NITTALA SRI RAMYA
8	40110866	NIVASH. V
9	40110867	NOMULA REDDY LALITHA
10	40110868	NUKALA DINESH REDDY
11	40110869	NURUKURTHI. TARUN KUMAR
12	40110870	NUTHANAKALUVA CHETAN REDDY
13	40110871	SRAVANTHI. N
14	40110872	OMAR FARHATH. F
15	40110873	K P KRISHNA SWAMY REDDY
16	40110874	SAI GANESH

17	40110875	PACHABATLA VENKAT KISHORE
18	40110876	P N S S JYOTHSWARUP REDDY
19	40110877	PAVAN KALYAN REDDY
20	40110878	PADILAM SREERAM SATISH
21	40110879	PADMANABHA ROY
22	40110880	PAGADAVARAPU UMESH CHOWDARY
23	40110881	PAILA TARUN
24	40110882	PALAGIRI SAMEERA BHANU
25	40110883	PALAMAKULA ABHINAVA REDDY
26	40110884	AKHIL KUMAR REDDY PALANKI
27	40110885	PALLAPOLU MAHESH BABU
28	40110886	PALLAPOTHU RAGHA NIKHITH
29	40110887	PALLETI BALA SUBRAHMANYAM
30	40110888	DAVID RAJU. P
31	40110889	PALLETI KIRAN KUMAR REDDY
32	40110890	PALLETI VENKATA MADHAVA REDDY
33	40110891	PALUGULLA MEGHANA
34	40110892	PALUKURI BHARAT REDDY
35	40110893	PALUKURI VENKATA SAI SUSHANTH
36	40110894	Keerthana Pammi
37	40110895	PAMPANA BALA KRISHNA
38	40110896	PANDRAJU N RAMA VENKATA SATHYA SHESHU SAI
39	40110897	PANGALA JAGADEESH MANDADI
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41	40110899	PAPI SETTY KEERTHI SRI
42	40110900	PAPULA SAI CHARAN REDDY
43	40110901	PARAMSETTI MANOJ
44	40110902	PARANIDHARAN. M
45	40110903	TEJA PARELLA
46	40110904	PARIDALA AKASH
47	40110905	PARITOSH ATTKETI

48	40110906	PARJAPNOAR PAVAN
49	40110907	PARTHIBAN. R
50	40110908	PARUPALLI EESHWAR RAJ
51	40110909	PARVATHINI SRI ANJANA CHOWDARY
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53	40110911	PASAM CHANAKYA
54	40110912	PASUPULETI JAGADEESWARA PAVAN KUMAR
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58	40110916	PATEL KARTHIK REDDY
59	40110917	PATHAKAMURI VINAY KUMAR
60	40110918	PATHI NITHISH
61	40110919	PATHI VENKATESWARLU
62	40110920	PATHI KONDA VENU
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67	40110925	PAVAN KUMAR. M.S
68	40110926	NIDUBROLU PAVAN SANDEEP
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70	40110928	PAVITHRA. B
71	40110929	PAVULURI SAI PAVANI
72	40110930	PEDDI AKSHITHA
73	40110931	PEDDINENI VARSHITHI
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76	40110934	SAIRAM PENDEM
77	40110935	P VPAVAN SAI AKHILESH VARMA
78	40110936	PENNA GAYATHRI

79	40110937	PERNAMITTA SRI RAM HARSHA
80	40110938	PETA LAKSHMI SUDHEER
81	40110939	P GARI HEMANTH KUMAR REDDY
82	40110940	PETLA SIDDHARTHA
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84	40110942	DURGA PRAKASH. P
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86	40110944	PINGILI SAATWI
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89	40110947	PODILA KEERTHANA
90	40110948	POLAKA INDRA SENA REDDY
91	40110949	POLAM NAGA NOOKA RAJU
92	40110950	POLAMREDDY KARTHIK REDDY
93	40110951	P CHINNI SAI MAHATHI
94	40110952	POLI NAVEEN KUMAR REDDY
95	40110953	POLINA VAMANA KEERTHI
96	40110954	POLISETTY ESWAR PRASAD
97	40110955	POLU BHAVAGNU REDDY
98	40110956	MOTHISH REDDY. P
99	40110957	POLURI SAI TARUN
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102	40110960	PONNAGANTI VENKATESH
103	40110961	PONNAM BALAKRISHNA
104	40110962	POOJA.RA
105	40110006	AARTHI. R
106	40120002	ABDUL AJEES. I
107	40120003	ABEL PRIYAKUMAR. P
108	40120004	ABHISHEIK. R
109	40120005	ABINAYA. B

110	40120006	AGASH.K
111	40120007	AJAY. B
112	40120008	ALINA MUSHTAQ
113	40120009	ALOYSIUS JOSEPH
114	40120010	AMAAN ALI
115	40120011	AMRITHAA ASHOK
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117	40120013	ANTON JUBIN. R
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119	40120015	MAHESH SAI BANDARU
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123	40120019	CHABATHULA VAZRA HIMA BINDHU
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125	40120021	CHERUKU NITHESH REDDY
126	40120022	CHINDULURI REDDY VENKATA MOHITHESWAR
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130	40120026	DHANALAKSHMI. S
131	40120027	DHANUSH RAJ. M
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137	40120033	GUNNAM SMARAN
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140	40120036	IDRIS AHMED

141	40120037	JABIN RAJA SOLOMON. S
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147	40120043	KARRI DUNDY NAGAVEERA SAI PRANAY
148	40120044	Kavitha
149	40120045	KAVIYA. S
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151	40120047	KISHORE. K
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153	40120049	KISHORE KUMAR. K
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166	40120062	NAREN. D
167	40120063	NARISSETTY SRINIVASA RAO
168	40120064	NIKITA ANGELINE DAVID
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170	40120066	PRASANNA KUMAR.S
171	40120067	PRASEMA FEMI GRACE. P.W

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177	40120073	RAMASAMY. N
178	40120074	REEYA B. VARGHESE
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226	40120122	SOLAI PAVITHRAN S
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228	40120124	SOMISETTI NAVEEN
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230	40120126	SOUMABHA MITRA
231	40120127	SOUNDARYA R
232	40120128	KODADALA SRAVAN KUMAR REDDY
233	40120129	SRAVYA NAMBURU

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235	40120131	SREERAM S
236	40120132	SREEVATSAN G
237	40130001	ADEEBA FAIZ
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239	40130003	AGILAN
240	40130004	BOPPANA AJAY DEV
241	40130005	V. AJITHA
242	40130006	AKASH APPADURAI
243	40130007	KATARI AKHILESH
244	40130008	AKKALA SUBBA REDDY
245	40130009	AKSHAT ANAND
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247	40130011	ALLURU SRIHARI REDDY
248	40130012	ANAND A R
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250	40130014	ANUPOJU RAM DURGA PAVAN TEJ
251	40130015	APARNAA. M
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253	40130017	ASHWIN SASIKUMAR
254	40130018	ASHWIN BALAJI. V
255	40130019	ATTLURI RAKESH
256	40130020	BALANNAGARI MANIKANTERSHWARA REDDY
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258	40130022	BARIKE SWARNAMUKHI
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260	40130024	BENISHA. J
261	40130025	BHARATH. R
262	40130026	K. BIRUNDHA
263	40130027	BODDU INDRASENA REDDY
264	40130028	BOGGARAPU VENKAT

265	40130029	BOLLIMUNTHA ANU RADHA
266	40130030	CHALLA SURYA SAI
267	40130031	CHEDE PAVAN KUMAR
268	40130032	CHEPALA PAVAN KUMAR
269	40130033	CHINTHA SREENATH
270	40130034	CHITIKILA VENU MADHAV
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276	40130040	PRADEEP DASARI RAJU
277	40130041	DENDUKURI NAGA HARSHITHA
278	40130042	DESINENI SUNANDA KUMAR
279	40130043	DEVA DHARSHANI .S
280	40130044	DEVADHARSHINI S
281	40130045	DEVANAND KUMAR. V
282	40130046	DHANUSH ADITHYA.L
283	40130047	DHANUSRI E
284	40130048	DHINAKARAN. S
285	40130049	DILIBAN
286	40130050	DIRISALA MOHITH
287	40130051	DODDIPATLA PHANINDRA
288	40130052	ELANGO VAN. A
289	40130053	ERPA THARUN CHANDRA
290	40130054	EVANA DEEPAK NAIDU
291	40130055	FATHIMA BEGUM
292	40130056	FREDRIC. S
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295	40130059	GALI THARUN DEEPAK

296	40130060	GANDROTHU VINOD KUMAR
297	40130061	GANGI REDDY GARI CHAKRAPANI REDDY
298	40130062	VENKATA SREEKANTH. G
299	40130063	GANUGALA NEERAJA
300	40130064	GARAPATI SHANMUKHA SRINIVAS
301	40130065	GAYATHIRI R
302	40130066	GIRITHAR. G.B
303	40130067	GOKUL RAM.S
304	40130068	GOLLA JAYA SRIVASTAV
305	40130069	GONU GUNTLA MANIKANTA
306	38150033	GOPINATH S
307	40130071	GRANDHI REVANTH
308	40130072	GUDDITI TEJA
309	40130073	GUDDITI TEJESH
310	40130074	GUNASEKARAN. K
311	40130075	G R VEERA VENKATA GIRISH
312	40110429	HARIHARAN. V
313	40130077	HARIPRIYA. S
314	40130078	C.S.HARISH
315	40130079	HARSH TIWARI
316	40130080	ILA VENKATA SITHARAM
317	40130081	INDUKURI KARTHIK VARMA
318	40130082	ISHI GUPTA
319	40130083	JADHAV YUVRAJ NAGESH
320	40130084	JALLA SOMA SUNDAR REDDY
321	40130085	V. JANANI
322	40130086	JAYASURYA.R.R
323	40130087	JENIFER. J
324	40130088	JOVIE SHINOL. J.R
325	40130089	JOVITA PERSIS
326	40130090	JOY NIKHIL. F

327	40130091	KALI ANANTH NAG
328	40130092	KALLURI RAJITHA
329	40130093	KALYANAPU KEERTHI
330	40130094	KAMALESH.R
331	40130095	KAMMATHAM SURYA KIRAN
332	40130096	KANCHAM SAI SHARANYA
333	40130097	KANCHANA
334	40130098	KANDURI SAINADH CHARAN.
335	40130099	K B N VENKATA GOPAL NIKHIL
336	40130100	KANIMOZHI S

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This certificate is awarded to

MR. YOGESH S

For successfully completing

VALUE ADDED COURSE – ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from Jan 18 2023 to Jan 23 2023..

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE

CYBER SECURITY



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School of Computing Department of Computer Science and Engineering

Organizes

VALUE ADDED PROGRAM

ON

"CYBER SECURITY"

RESOURCE PERSON

Mr. KARTHICK

TECHNICAL LEAD- ADVANTAGE PRO

FROM 18.1.2023 TO 23.01.2023

PROGRAM CO ORDINATOR

DR.S.DHAMODARAN

CHIEF PATRONS:

Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

PATRON:

Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE

Registration Link



<https://forms.gle/zZXDBNEvz2B2BzAk1g7>



STUDENT CO-ORDINATORS:

Ms.Patibandla Sri Pranavi - III CSE
Ms.Patthipaati Chandana - III CSE
Ms.Pancheti Bhavya - III CSE

Course Objectives: -

- To understand the fundamentals of Network security and Cyber security.

- To acquire knowledge about various attacks and detection systems.
- To explore various cryptographic algorithms and authentication methods.
- To learn the real time applications of Cyber security.
- To understand about Cyber laws and IPR act.

Course Outcomes: -

Upon successful completion of this Value added course, the students should be able to:

- Understand the need for Network and Cyber Security and its use.
- Identify various attacks and its consequences in information systems.
- Implement the various cryptographic algorithms.
- Evaluate the various authentication mechanism and hash functions.
- Explore the significant aspects of Cyber security.
- Deal with legal issues of Cyber space.

Course Content: -

Fundamentals of Network Security

OSI Network model-OSI Architecture- Security Models and Security Mechanisms-Introduction to Network security-Classical Encryption techniques-Information Security.

Cyber Space and Information Systems

Introduction to Cyber Space-History of Internet-Internet Service Provider-Domain Name Systems-Introduction to Information Systems-Classification of Information systems-Need for Cyber Security.

Threats and attacks

Security attacks and threats -Introduction to Cyber Attacks -Classification of Cyber Attacks-Classification of Malware-Threats.

Intrusion Detection and Prevention systems

Vulnerability Assessment-Intrusion Detection Systems-Intrusion Prevention Systems-Firewalls-Types of firewalls.

Cryptographic Algorithms

Encryption Algorithms –DES, AES- Public key cryptography-RSA, ECC,Key Management-DiffieHellmann-Hands on session.

Secure Authentication Methods

Introduction to User Authentication Methods-Authentication Protocols-Kerberos-Hashing function-MD5, SHA-Biometric Authentication Methods-Biometric Systems.

Security Services

Introduction to digital Security-Digital Signature-Web Security-Email Security-Mobile DeviceSecurity.

Cyber World

Cyber Crimes-Different Types of Cyber Crimes, Scams and Frauds-Analysis of Crimes, HumanBehavior-Stylometry, Incident Handling-Investigation Methods-Criminal Profiling, Cyber Trails.

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	40130101	KANYAA. P
2	40130102	KARRI PAVAN SAI KIRAN
3	40130103	KARRI SURYA VENKATA SAI RAKESH
4	40130104	KARROTHU GANESH
5	40130105	KARTHIKHA SRI. S
6	40130106	KASAGANI PRUDHVI HARI
7	40130107	KATAM ABISHEK GOUD
8	40130108	KATTAM NITHIN GOUD
9	40130109	KATTA VEERA VENKATA PHANI KUMAR
10	40130110	KATTUNGA JAYA RAM
11	40130111	KAVIYAPRIYA V

12	40130112	KERIN. J
13	40130113	KIRAN. P
14	40120049	KISHORE KUMAR. K
15	40130115	KOLLA MADHAN
16	40130116	KONDA RAKESWAR REDDY
17	40130117	KOSURI SAI SRUTHI
18	40130118	KRANTHI KUMAR KAREMPUDI
19	40130119	KRISHNAN. K.T
20	40130120	KRISHNAVENI. S
21	40130121	KURUVAGANTELA HARI
22	40130122	KUSHAL. B
23	40130123	LAKSHMI VAISHNAVI PAIDIPALLI
24	40130124	LARA JENISH. L
25	40130125	LAVANYA. C
26	40130126	LIJUSHA. J
27	40130127	Lokesh
28	40130128	MADDASANI VISHNU VARDHAN
29	40130129	MADDILETI SURAJ
30	40130130	MAHILA. P
31	40130131	Mallela Veera Divya
32	40130132	MANAM LIKHITH REDDY
33	40130133	MANCHALA BHUMIKA REDDY
34	40130134	MANDHATI MANIKANTA
35	40130135	MARELLA THANOOZ KUMAR
36	40130136	MARIA ALPHONSE JEFFREY. J
37	40130137	MARRI AYYAPPA CHOWDARY
38	40130138	MARY SEREN RANJANA. X
39	40130139	MOGESHWARAN.B
40	40130140	MOHAMMED MUJAHID
41	40130141	MOHAMMED SHARUKH HUSSAIN
42	40130142	T. MOHITHAPRIYA

43	40130143	MONISHA .M
44	40130144	YUVARAJ PAVAN. M
45	40130145	IRUKULLA NAGA BHUSHAN
46	40130146	NAMBURI HARSHA VARDHAN
47	40130147	NANDINI. R
48	40130148	NANDYALA PADMAJA
49	40130149	NARAGONI ABHINAY KUMAR
50	40130150	NARRA VENKATA RAMU
51	40130151	S NAVEEN
52	40130152	NAVEEN SRINIVAS.S
53	40130153	NAVIN RAJ. K
54	40130154	NEERAJA
55	40130155	NEGHA. R
56	40130156	NISHA.N
57	40130157	NIVASH. S
58	40130158	NIZHAMUDHIN. N
59	40130159	OJASWINI. D
60	40130160	PALANKI SAI KARTHIKA
61	40130161	PALLAPOTHU KARTHIK CHOWDARY
62	40130162	P V BHUVANA CHANDRA REDDY
63	40130163	PALLEBOYINA VAMSI KRISHNA
64	40130164	NAMRATHA PANDILLA
65	40130165	PARVATHAM SRIRAM
66	40130166	PATCHIGOLLA VISTESH
67	40130167	PACHIPALA SATISH
68	39280022	PAVITHRA D
69	40130169	PAVITHRA.S
70	40130170	PEDA SINGU GOWTHAM
71	40130171	PEDIREDLA SAHITHI
72	40130172	PEELA TARUN SAI
73	40130173	PILLAI SUHESH KRISHNA

74	40130174	PILLI LAKSHMI NARAYANA
75	40130175	PIPALLA KARTHIK ABHIRAM
76	39140039	POOJA A
77	40130177	PRABHAVATHY G
78	40130178	PRADEEP SHARMA
79	40130179	P V V L D S SAI MANIKANTA
80	40130180	V. Priya
81	40130181	PULAPA PURUSHOTHAM
82	40130182	PUPPALA SAHITI KALYANI
83	40130183	RACHAGORLA DAIVAGNA
84	40130184	RAGA VINAY KUMAR
85	40130185	RAGHUMANDA, GOWTHAMI
86	40130186	RAGHUMANDA NANI
87	40130187	BHANU PRAKASH R
88	40130188	RAHAMATHULLAH. R
89	40130189	KODALI RAHUL SAI
90	40130190	RAJA VIJAYENDRA VARMA
91	40130191	RAKSHITHA. K
92	40130192	R G REDDY THIPULURI
93	40130193	RAMKUMAR. M
94	40130194	RANISH. P
95	40130195	RENUGA DEVI. B
96	40130196	RITHIKA RAJA
97	40130197	ROFIN SHALON
98	40130198	ROHIT SHARMA
99	40130199	SAI SANDEEP S S MADDIPATLA
100	40130200	SAJEEV. S
101	40130201	SALADI NAGA RAGHU
102	40130202	SAMBANGI HANISH
103	40130203	SAMUEL ADARSH. G
104	40130204	SATYA NARAYANAN. A

105	40130205	SEETHALATHEVI.K
106	40130206	SELVA GANESHAN. U.S
107	40130207	BHANU PRAKASH. S
108	40130208	SHAHI SHREYA
109	40130209	SHAIK BHASHIT IMRAN HAZHAR
110	40130210	SHAIK DILSHAD SHAHIN AHMAD ALI
111	40130211	SHAIK LATHEEF ALI
112	40130212	SHAIK SOHEL
113	40130213	SHARMA. A.R
114	39050048	SHARMILA V
115	40130215	SHAURYA
116	40130216	SHERIFE KHAN. S
117	40130217	SHERLIE. L
118	40130218	SHUBHOM DAS
119	40130219	SIRIPIREDDY. DAMARAKESWARA REDDY
120	40130220	SITHESHWAR.B.I
121	40130221	SIVADHARSHINI S
122	40130222	SOUMYA RANJAN MISHRA
123	40130223	SRI HARI. V.R
124	40130224	SRIGHAKOLLAPU NAGA SAIRAM
125	40130225	SRINIVAS. A
126	40130226	SRIVATHSAV. S
127	40130227	SUBBAMMAL. A.P
128	40130228	SUGANYA. V
129	40130229	TAGARAMPUDI TEJA SRILAKSHMI
130	40130230	TALUPULA SAI SURYA VISWA VIKYATH
131	40130231	NIKHITH CHANDRA
132	40130232	TELLAMEKALA MAHESH BABU
133	40130233	THALLAPALLY GAYATHRI
134	40130234	THAMMINIENI VIVEK
135	40130235	THASLIMA BANU

136	40130236	THOTA HEMANTH SAI
137	40130237	BALA BALAJI. T
138	40130238	TIRUPATHI UDAY KUMAR
139	40130239	TUMALAPENTA BHANISH
140	40130240	UDHAYASURYA .G
141	40130241	U Y SAI ABHILASH
142	40130242	VADLAPATI DHEERAJ
143	40130243	VAKACHERLA VASAVI
144	40130244	VALLURI AVINASH
145	40130245	VALPASANI HARISH
146	40130246	R. VARSHA
147	40130247	VASANTH. R
148	40130248	VEERABALLI MANOJ KUMAR REDDY
149	40130249	VEMPADA HIMA VAMSI
150	40130250	VENKANNAPALLE HUSSAIN BASHA
151	40130251	VIGNESH.L
152	40130252	VIGNESH. N
153	40130253	VIJAYARAO BINDU RADHIKA
154	40130254	VINAYAKAM VENKAT CHETHAN
155	40130255	YARASU GOVARDHAN REDDY
156	40130256	Y.CHAITHANYA LAKSHMI
157	40130257	YEPUGANTI ANJI BABU
158	40130258	YOGAPRIYA B
159	40130259	ZEBA LEEZA
160	40130260	SHUBHAM BISWAL
161	40130261	JEFRIN JOEL. I.S
162	40130262	ADINA KIRAN KUMAR REDDY
163	40130263	MARASU VENKATA SUBBA RAO
164	40130264	PAVITHRA DEVI. P.S
165	40130265	T NITHIN KUMAR REDDY
166	40130266	KALAPALA NAGA NARENDRA

167	40130267	MATLI NAVEEN KUMAR REDDY
168	40130268	OTHURU AFRID BASHA
169	40130269	YARRAGUDI BHARGAVA RAJU
170	40130270	SEEREDDI PAVAN PRANAV
171	40130271	GANGARAJU VUNDAMATLA
172	40130272	BANDAMEEDI VISHWA TEJA
173	40130273	SIBITHA
174	40130274	MOHAMED ABDUL RAHMAN. S
175	40130275	KONNE CHANDRA SAI KUMAR
176	40130276	THARUN TEJA REDDY
177	40130277	ARIGELA ESWAR SAINADH
178	40130278	SRINADHU SAI ROHITH
179	40130279	REVANTH CH
180	40130280	NAGENDRA REDDY.S
181	40130281	YERUVA SRINIVASA REDDY
182	40130282	KAKANURU PREM SAI REDDY
183	40130283	UPPU DURGA JAGADEESH
184	40130284	BILLA NIKITHA
185	40130285	THANGA TAMIL SELVAN P
186	40130286	DUDEKULA ABHINASH
187	40130287	KAITHAPALLI ABHISHEK
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189	40130289	YOGESH THOKALA
190	40130290	YOGESHWAR REDDY. P
191	40130291	YOGI. B
192	40130292	YOGITHA CHUNDU
193	40130293	YOKASAKTHI. J.V
194	40130294	YUGANDHAR. K
195	40130295	YUVASHRI. K
196	40130296	YUVRAJ HARSH
197	40130297	SRI KUMARA SWAMY. A.M

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CERTIFICATE OF APPRECIATION

This certificate is awarded to

MR. ADHITYA S

For successfully completing

VALUE ADDED COURSE - CYBER SECURITY

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from Jan 18 2023 to Jan 23 2023..

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE

DATA SCIENCE



SATHYABAMA

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**School of Computing
Department of Computer Science and Engineering**

Organizes

VALUE ADDED COURSE PROGRAM

ON

"DATA SCIENCE "

"PROGRAM CO ORDINATOR "

DR. A . PRAVIN

FROM 18.01.2023 TO 23.01.2023 (Connect through Zoom)

CHIEF PATRONS:

Dr. MARIAZEENA JOHNSON, Chancellor
Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

Registration Link

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PATRON:

Dr.T.SASIPRABA, Vice Chancellor

CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE



COURSE OBJECTIVES

- To understand the mathematical foundations required for data science.

- Use R for statistical programming, computation, graphics, and modeling.
- To describe a flow process for data science problems.
- To introduce basic data science algorithms and data visualization.
- To learn the ideas and tools for data visualization.

COURSE OUTCOMES

- Explain the basic terms of Linear Algebra and Statistical Inference.
- Import, review, manipulate and summarize data-sets in R
- Simulate Data Visualization with R
- Apply EDA and the Data Science process, Classify Data Science problems.
- Gain ability to apply knowledge representation, reasoning, and machine learning techniques to real-world problems.

COURSE CONTENTS

LINEAR ALGEBRA

Algebraic view – vectors 2D, 3D and nD, matrices, product of matrix & vector, rank, null space. Geometric view - vectors, distance.

Projections, eigenvalue decomposition, Equations of line, plane, hyperplane, circle, sphere, Hypersphere.

PROBABILITY AND STATISTICS

Introduction to probability and statistics, Population and sample, Normal distributions, distributions, mean, variance, covariance, covariance matrix, understanding univariate and multivariate normal distributions, introduction to hypothesis testing, confidence interval for estimates.

DATA SCIENCE TECHNIQUES AND APPLICATIONS

Big Data - Hadoop, Dimensionality Reduction, Principal Component Analysis, Classification and Regression models, Tree and Bayesian network model.

Neural Networks, Testing, Evaluation and Validation of Models, Sentiment data analysis - Twitter data.

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	38900001	AARTHI K
2	38900002	AARTHI R
3	38120001	AARTHY G
4	38110001	AARUSH SINGH
5	38090001	AATHISHANKARAN K S
6	38150001	ABBAS ARAFATH
7	38110002	ABBIREDDY MAHESH BHUPATHI RAYUDU
8	38110003	ABBURI RAMYA SREE NAGA SUSHMA
9	38110004	ABBURI SUNIL KUMAR
10	38110005	ABDHESH KUMAR YADAV
11	38150002	ABDUL REHMAN
12	38140002	ABHIJEET KUMAR
13	38150003	ABHINAV AJITH
14	38200001	ABHINAV MANODH
15	38210001	ABHINAYA R
16	38210041	ABHIRAMI M
17	38110007	ABHISHEK
18	38120002	ABHISHEK KUMAR
19	38240001	ABHISHEK S
20	38120003	ABHISHEK SINGH
21	38110008	ABHRAJYOTI DAS
22	38120004	ABINAYA A
23	38130003	ABINAYA M
24	38950001	ABINAYA N
25	38210002	ABINESH M
26	38120005	ABIRAMI M

27	38120006	ABIRAMI R
28	38130004	ABIRAMI S
29	38200002	ABISHEAAKMADHAVAN K
30	38150130	ABISHEK DOLAI
31	38950002	ABITHA P
32	38181001	ABITHA. N
33	38140003	ACHANTA BALARAM
34	38110010	ACHANTA NAGA VENKATA CHOWDARY
35	38130005	ACHYUTUNI RAM MANOJ
36	38200003	ADARI LALITHA KRISHNA KANTH
37	38110014	ADAVALA SAI POOJITHA
38	38110012	ADINA HANISHA
39	38150004	ADITHYA H
40	38260001	ADITHYA M
41	38110013	ADITYA KUMAR JHA
42	38150005	ADVAITH R
43	38240002	AFIF AS
44	38120007	AHILA R R
45	38210003	AISHWARYA A K G
46	38950003	AISHWARYA K
47	38120008	AISHWARYA R
48	38130006	AISHWARYA S
49	38150006	AJAINATH R E
50	38181002	AJAY AGARWAL. R
51	38130241	AJAY GANESH. N
52	38110015	AJAY KUMAR
53	38240003	AJAY R
54	38150007	AJAY SUNIL
55	38150008	AJHAY VENKATESAN H
56	38210004	AJIT DOUGLAS CLEMENT
57	38181003	AJIT SINGH

58	38690001	AJITH KUMAR.C
59	38230001	AJITHRAN S
60	38110016	AKASH S
61	38200004	AKASH V R
62	38860001	AKASHWARAN G
63	38110017	AKETI AJAY
64	38110018	AKHIL ANAND
65	38150009	AKSHAY BHASKAR
66	38240004	AKSHYA V
67	38240004	AKSHYA V
68	38110009	AKULA ABINAY
69	38130008	ALAN B GEORGE
70	38150010	ALAN JOHN FRANCIS
71	38200701	ALBERT JAMES PELIES S
72	38140004	ALBIN PHILIP GEEVARUGHESE
73	38110021	ALENA THOMAS JOSEPH KURIEN
74	38130243	ALEX M
75	38110022	ALLA ROHITH NAIDU
76	38110023	ALLADI PHANI KRISHNA
77	38110024	ALLAM AJAY KUMAR
78	38110451	ALLAM RANJITH KUMAR REDDY
79	38110025	ALLAM RAVI DINESH REDDY
80	38110026	ALLAM SHANKAR PAVAN KALYAN
81	38110027	ALLAMSETTY UDITH VENKATA NAGOPA SAI
82	38210005	ALLAN JACOB MARTIN
83	38110028	ALLEN V JOSE
84	38181004	ALOK PRATAP SINGH
85	38140005	ALSHAD ABDUL HASSAN
86	38110029	AMALI JOSEPH
87	38090002	AMAN DINODIYA
88	38150011	AMARNATH A

89	38150701	AMARNATH SURYA .R
90	38110030	AMMINEDI ACHYUTHA
91	38210006	AMMISSETTY NAGA SAI
92	38900004	AMRITA SAJEEV
93	38110031	ANAGANI SYAM PRAKASH
94	38210007	ANAGHA TREESA FRANCIS
95	38110032	ANAMIKA SHIL
96	38140006	ANANTHA KUMAR .S
97	38680001	ANBARASAN.S
98	38230002	ANDREW CHELLAM DAVID D
99	38900005	ANDREW V
100	38240005	ANEESHWAR M
101	38190001	ANFAS ROSHAN P
102	38260002	ANGADALA GANESH
103	38110043	ANHUSHREE M
104	38110033	ANIMESH DUBEY
105	38260003	ANIRUDH ASHOK
106	38130010	ANIRUDH L
107	38140007	ANITHA N
108	38130011	ANJALI M
109	38900006	ANJANA G
110	38900007	ANKITA DASH
111	38110035	ANKITA KUMARI
112	38110036	ANKITH KONDA
113	38120009	ANNA GREETA TITUS T
114	38130012	ANOS S
115	38110037	ANSH SAXENA
116	38110038	ANSHA P NAIR
117	38860002	ANTO GIXSON D
118	38900008	ANTO JAYA SIBIN J
119	38130007	ANUDEEP AKKIREDDY

120	38110039	ANUMASU SATHVIK REDDY
121	38110040	ANURADHA NISHAD
122	38140008	ANUSH S
123	38110041	ANUSHA S
124	38110042	ANUSHKA SINGH
125	38110044	ARAVAPALLI SUJITH KUMAR
126	38190002	ARAVIND ANILKUMAR MUTTATHIL
127	38150013	ARAVIND K
128	38150012	ARAVIND KUMAR V N
129	38950004	ARAVIND P
130	38680002	ARAVINTH E
131	38120010	ARCHANA B
132	38120011	ARCHANA C
133	38210008	ARCHANA M
134	38110045	ARETI CHARAN SRI RAM SAI
135	38130013	ARIKARAN C
136	38110046	ARIKATLA GOPI VENKATA SUDHEER
137	38210009	ARIVAZHAHAN N
138	38181006	ARJA DAS. A
139	38150014	ARJUN BHARATH K
140	38130014	ARJUN KUMAR GUPTA
141	38150015	ARJUN P
142	38110047	ARKIT MEHTA JITENDRA
143	38110048	ARNAB DAS
144	38140009	ARNOLD BLESSTEN A
145	38680003	AROKIA YOGESH
146	38110677	ARSHAD HIFZAN H
147	38130015	ARSHAK MOHIDEEN M Z
148	38120012	ARTHEESWARI P
149	38130016	ARTHI D
150	38110049	ARTHI NANDHINI V

151	38450002	ARUMUGAM. E
152	38940009	ARUN KUMAR T S
153	38450003	ARUN KUMAR. S
154	38210010	ARUNA S
155	38930001	ARUNACHALAM V
156	38110050	ARUNAV SINGH
157	38120013	ARUNKUMAR S
158	38450004	ARUNPANDI. P
159	38210011	ARVINTH S
160	38950005	ARYA ABARANJI P S
161	38230003	ASAPH S
162	38110052	ASHITHA S
163	38120014	ASHMITA SINGH
164	38150016	ASHOKAN VIKRAM
165	38950006	ASHVITHA R
166	38130018	ASISH B
167	38230004	ASVIKA J S
168	38150702	ASWIN KRISHNAN .C
169	38120015	ASWIN KUMAR K
170	38900009	ASWIN S
171	38110062	ASWIN SABARISH A
172	38210012	ASWIN SURIYA K
173	38900010	ASWINI R
174	38110056	ASWINI S
175	38950007	ATCHAYA N
176	38260004	ATHYALA ANOUSHKA DEV
177	38110057	ATLA RANADHEERAJ
178	38130020	ATLURI SONY
179	38130021	ATMAKURI JYOTHI SWAROOP
180	38110058	AVALA PAVAN KUMAR
181	38240006	AVIGNA SAI

182	38110059	AVIJIT SINGH
183	38210013	AVINASH S
184	38110060	AVINENI GNANA SAI TEJA
185	38130022	AVULA GOPINADH
186	38110061	AVULA VENKATA SRINADH REDDY
187	38150017	AVVARU VENKATA NAGA DATTA SAI SIVA AKHIL
188	38110538	AYILA SRI DHARMA SIVA PAVAN
189	38210014	AYYAPPAN B
190	38190015	B VISHAL
191	38450005	BABU. R
192	38110243	BADDIREDDY KASI VISHWASH
193	38110064	BADE SUCHITRA
194	38200005	BAGAVATHY DARSHAN M
195	38110065	BAIREDDY DEEPAK REDDY
196	38130023	BAKKAVENKATASRISAIMANEENDRA
197	38120016	BAKYA B
198	38940010	BALA ABIRAMI G
199	38090003	BALA KABILAN R
200	38180701	BALA VARUN CHOWDARY
201	38120017	BALABHARATHI P
202	38690002	BALACHANDAR . G
203	38450006	BALAHARI. S
204	38680004	BALAJI G
205	38110067	BALAJI J
206	38120018	BALAJI P
207	38110068	BALAJI PM
208	38110069	BALAJI V
209	38450007	BALAJI. M
210	38450008	BALAJI. S
211	38680005	BALAJI.M
212	38120019	BALAMURUGAN R

213	38200041	BALAMURUGAN S
214	38150018	BALARAJU MUDRAGADA
215	38210015	BALASAKTHIYAN C
216	38680006	BALASUBRAMANI MT
217	38260005	BALASUBRAMANIY N R
218	38110070	BALINENI DILEEP KUMAR
219	38120020	BALSUM DIWAN
220	38210016	BANDARU NAVYA
221	38110071	BANDARU VEERA SAI SATYANARAYANA
222	38130025	BANDIKE VASU KRISHNA
223	38210017	BANGARUGARI SAI KUMAR
224	38120021	BARANIDARAN G T
225	38140010	BARLA GOWTHAM NAIDU
226	38110073	BASKAR D
227	38150019	BASWA JEEVAN KUMAR
228	38130026	BATTEPATI VENKATA KARTHIK KRISHNA
229	38130027	BATTHALA ARUN KUMAR REDDY
230	38130028	BATTU VAMSI
231	38130029	BATTULA PRANITHA
232	38110074	BATTULA VARSHITHA
233	38210018	BAVITHRAVASHAN B
234	38110537	BEKKAM SIVA KUMAR REDDY
235	38110075	BELLAM KONDA SAI VARSHITH
236	38110076	BELLAMKONDA SATHISH
237	38180001	BENONI ISAAC RAJ C
238	38180002	BERNARD A
239	38230005	BERTENA R
240	38130030	BEZAWADA VARSHITHA
241	38930002	BHAGAVATH HARINI V J
242	38150020	BHARAT D
243	38130031	BHARATHI L

244	38930003	BHARATHI S
245	38110078	BHARATI KAUSHIK
246	38110079	BHARATI MAGALAPU
247	38900011	BHAVANA MOHAN
248	38230006	BHAVANI V
249	38210019	BHAVICK PATEL J
250	38110080	BHAVYA B
251	38130032	BHAVYA KRITI
252	38110596	BHEEMAVARAPU ADI SAI TEJASWINI
253	38110081	BHEEMIREDDY NAGAVIJAYASIVASURYAPRAKASHREDDY
254	38110072	BHIMIREDDY BAPIREDDY
255	38260006	BHOYE HARSHAD BHARAT
256	38110082	BHUMIREDDY SRIKANTH REDDY
257	38110083	BHUPATHI SHAMEER
258	38110084	BILL GATES V
259	38190003	BILVIK SRI SAI CHANDU GANNI
260	38110085	BISHWADEEP GHOSH
261	38240007	BLESSY N S
262	38130033	BODAPATI NANDA KISHORE
263	38110422	BODDU PRASANTH REDDY
264	38130034	BOJJA NITHISH REDDY
265	38260007	BOLLA DEEPTHI CHOWDARY
266	38130035	BOLLU MOKSHAGNA
267	38110086	BOMMINENIVENKATACHARAN
268	38130036	BONTHU NANDAKUMAR
269	38110087	BOOSI HARSHAVARDHAN REDDY
270	38900012	BRINDHA GOPINATH
271	38900013	BRINDHA H
272	38110088	BUDDE SAI VARMA
273	38110089	BUDHA PRETESH
274	38130242	BURLA SAICHARAN

275	38110090	BUSSIREDDY SREEDHAR REDDY
276	38110063	BUSUPALLI HARINATH REDDY
277	38120022	CATHERINE JENIFER R
278	38900014	CATHRIN BONNY
279	38110091	CH RAJA SHAKER
280	38110093	CHAITANYA RAJU GEDELA L V
281	38110094	CHAKRAVARAM SAITEJASWI
282	38130166	CHAKRAVARTHI PIPPALLA
283	38110095	CHALANDHRI SRUJANA YADAV
284	38130037	CHANDANA MURALI
285	38110096	CHANDAVARAPU SAI SARAN
286	38930004	CHANDHIKA PRAKASH
287	38230007	CHANDINI LOKKASHRI S B
288	38110100	CHANDRA S
289	38680007	CHANDRAMOHAN K
290	38110099	CHANDRIKA VIJAYA KRISHNA UNDAVALLI
291	38130038	CHANDRU K
292	38130024	CHANDU BALLA
293	38110198	CHANNU HARSHA VARDHAN REDDY
294	38110328	CHATHARAJUPALLI MOUNIKA
295	38110102	CHAVVA NIKHITA
296	38110556	CHEDE SRILEKHA
297	38130039	CHEEMALA NITHIN KUMAR
298	38110103	CHEKKERA NIKHIL REDDY
299	38110104	CHEKURI GOPIKRISHNA
300	38110105	CHELLUBOINA HANEESH
301	38130040	CHENNAVARAM IRFAN
302	38110106	CHENNUPATI SURESH
303	38150021	CHILAKAMARTHI NAGA SESA PRASANNA KUMAR
304	38181008	CHILAVANURU PAVITHRA
305	38110108	CHILUKURI PAVAN VENKATA SATYA GANGADHAR

306	38210020	CHIMATA BHAVANI CHOWDARY
307	38130041	CHINNALA VENKATESHWARLU
308	38130042	CHINNI NAGA BADRI KISHORE
309	38150022	CHINTA TRINATH
310	38130043	CHINTA VENKATA REDDY
311	38110382	CHINTALA PANITH KUMAR
312	38130044	CHINTHA SUSHMA
313	38110109	CHINTHAM REDDY NITHIN REDDY
314	38110110	CHIRUMAMILLA BALARAMA KRISHNA
315	38110111	CHITRALA SANDEEP KUMAR
316	38130046	CHITTEM VENKATA YAMINI
317	38110112	CHITTEMSETTY SUNDEEP KUMAR
318	38110192	CHITTURI HARI KALYAN GOWTHAM
319	38130047	CHODA AHALYA REDDY
320	38260008	CHODE SATYA MANIKUMAR
321	38130048	CHONGA VEERA RAMA LAKSHMI
322	38210021	CHRISTILDA S
323	38210022	CHRISTY ALEX OOMMEN
324	38110113	CHUKKA GOPI SRINIVAS
325	38150023	CHUNDRU TARUN TEJA
326	38150024	CYRIL PRAVEENRAJ J
327	38150025	CYRUS MATHEW FRANK
328	38230008	DAKSHNI V
329	38110114	DAMERA S S P S SATVIK KUMAR
330	38130049	DAMINENI KAVYA

PHOTOS





SATHYABAMA



INSTITUTE OF SCIENCE AND TECHNOLOGY
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SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE OF APPRECIATION

This certificate is awarded to

MR. ADI JESWANTH

For successfully completing

VALUE ADDED COURSE - DATA SCIENCE

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from Jan 18 2023 to Jan 23 2023..

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE

DEEP LEARNING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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School of Computing
Department of Computer Science and Engineering

Organizes

VALUE ADDED COURSE PROGRAM

ON

" DEEP LEARNING "

RESOURCE PERSON

Mr.Siddharth

Technical Head -Advantage Pro

FROM 18.01.2023 TO 23.01.2023)

CHIEF PATRONS:

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CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE

PROGRAM CO ORDINATOR

DR. PREM JACOB



COURSE CONTENT:

COURSE OBJECTIVES:

- To cite the difference between various sub domains of Artificial Intelligence and Machine Learning.
- To summarize the working of Neural Network architectures.
- To classify and predict data using various Deep Learning techniques.
- To optimize the performance of different models using optimization techniques.
- To apply Deep learning techniques to real world problem statements.

COURSE OUTCOMES:

Upon successful completion of this course students should be able to:

- Classify the data from given dataset using simple machine learning algorithms.
- Design a working model of classification using feedforward and backpropagation algorithm.
- Perform PCA and LDA to reduce the features.
- Construct basic CNN model to classify on any image datasets.
- Perform image processing and signal processing for various datasets.

COURSE CONTENT:

Introduction to Artificial Intelligence and Machine Learning:

AI: Building machines through human eyes, Definition, Terminologies, Types.

(h1)

Branches of AI: Symbolic Learning, Machine Learning, Statistical Learning, Deep Learning, Problem Types: Classification and Prediction, Types of Learning: Supervised, Unsupervised and Reinforcement

Learning.

Case Study: Classification using different machine learning algorithms.

(h3)

Introduction to Deep Learning

History: History of Deep Learning, Biological Neuron, McCulloch pit Neuron

Neural Networks: Shallow networks, Deep networks, Activation Function

(h2)

Case Study: Discussion on training using neural networks

(h3)

Types of Neural Networks

Neural network workflow: Feedforward network, back propagation, Loss function

Perceptron: Working of a Perceptron, Types of Perceptron: Single layer Perceptron, Multi-layer Perceptron

Case Study: Discussion on computing loss function

(h3)

Deep Neural Networks

Basic Terminologies: Bias and Variance, Overfitting problems

Regularization: L1, Regularization, L2 Regularization, Dropout, Batch Normalization (h2) **Case study:** Solving Overfitting problems

Introduction to CNN

CNN : Introduction to CNN, Architecture and workflow

Types of CNN Part 1: AlexNet, ResNet,

Types of CNN Part 2 : VGG, Inception

Training a ConvNet : Tuning hyper parameters

Generating Virtual Samples : GAN

Case Study: Use of CNN architecture for Classification

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	38900015	DAMODARAN S M
2	38130050	DAMPURU SAI SRUTHIK REDDY
3	38110077	DANDA BHANU CHANDRA SUGUNESWARA K NAIDU
4	38110116	DANEKULA SIVA RAMA KRISHNA
5	38110117	DANIEL SANTHOSH J
6	38110118	DANTLA NAGA TEJASWI
7	38090004	DARVIN V

8	38110678	DASAM MEENAKSHI
9	38130051	DASAM SRI SRINIVASA SATHYA MANI PAVAN TEJA
10	38130052	DASAM VENKATA RAMA CHANDRA RAO
11	38110119	DASARI HARSHAVARDHAN
12	38110345	DASARI NAGA BHANU SRI
13	38130053	DASARI REVANTH ROY
14	38110120	DASARI SRIKANTH
15	38130054	DATLA LOHITHYA SURYA
16	38950008	DAYAN SHARIFF R
17	38200007	DEEPA M
18	38860003	DEEPAN S
19	38110122	DEEPIKA R
20	38110121	DEEPIKA S
21	38110123	DENABOINA NARESH
22	38110124	DESAMSETTI SAI PAVAN SAKETH
23	38210023	DEVAKUMAR J
24	38190016	DEVAN.A
25	38110125	DEVARAKONDA KARTHEEK
26	38110126	DEVASHISH MISHRA
27	38230009	DEVISHREE C M
28	38090005	DHANAPRASATH G
29	38450001	DHANAVEL K
30	38130055	DHANUSH N
31	38110127	DHARSHINI NITHILA M
32	38230010	DHASHNI D
33	38110128	DHINAKARAN J
34	38900016	DHINESH BAALAJI S
35	38210024	DHULIPALLA VENKATA SAI PRANAV
36	38680008	DIANA SHANTHA KUMARI.M
37	38110129	DIKSHITA BASU
38	38181009	DINESBALAJI. K.P

39	38110132	DINESH B
40	38110131	DINESH BABU MUDDANA
41	38150703	DINESH K
42	38110134	DINESH KUMAR
43	38110130	DINESH V
44	38260009	DIPESH RANJAN
45	38900017	DIVAKAR R
46	38120023	DIVYA DHARSHINI V
47	38110136	DIVYA PRIYA V
48	38210025	DIVYA R
49	38940011	DIVYA S
50	38110135	DIVYADHARSHINI S R
51	38900018	DIVYAYOGESWARI T M
52	38110137	DODDIGARI SHYAM
53	38130057	DOGGALA HEMANTH REDDY
54	38110138	DOMMATI UMESH KUMAR
55	38110139	DONTHU SAI KRISHNA
56	38200008	DOPPALAPUDI KRANTHI KIRAN
57	38150707	DUDELA PAVAN KUMAR REDDY
58	38130058	DUDE ROHIT
59	38150026	DUDEKULA MADAR BASHA
60	38110140	DUDEKULA THAHIRA BEE
61	38110141	DUMPALA CHANDRA OBULA REDDY
62	38130059	DUPAKUNTLA SAIBHARATH
63	38110142	DUPPALA PUJITHA
64	38110143	DURGA PAVAN TANNIRU
65	38680009	DURGA SANKAR S
66	38150704	DWARAKESH.P
67	38140702	dwarsala jaya bharath reddy
68	38150027	EATHA SRI SAI PRASANNA KUMAR
69	38930005	EESHWAA C G

70	38150028	ELAVARTHI ROMEETH
71	38900019	ELIZABETH DILINA JUSTIN
72	38110318	ELLURI MEGHANA
73	38110144	EMMADY VARSHA
74	38210026	ERIC ALAN E
75	38860004	ERIC JOHN
76	38230011	ERIC JOHNSON P
77	38230012	ERIN JEMIMAH JAYAKIRUBAI J
78	38130060	ERUBOTHU VEERA VENKATA SATYASAI VIVEK
79	38130061	ESAKKIAMMAL A
80	38690003	EZHILARASAN.V
81	38940012	EZHILARASI P
82	38240008	EZHILMATHI M
83	38090006	EZHUMALAI A
84	38130062	FAIZAL RAHMAN S
85	38130063	FARDEEN ESSA
86	38900020	FATHIMA SITHI NIHAYA R
87	38940013	FELCIA SHERLY E
88	38200006	G CHARLES
89	38130191	G N SAIVARUN
90	38260010	GABRIELHOSEADOSS K
91	38110197	GADDAM HARSHAVARDHAN
92	38900021	GADDAM PRADEEP REDDY
93	38110145	GADDE NARENDRA
94	38110146	GADE YESWANTH ADITHYA REDDY
95	38110147	GADIPUDI SANDEEP
96	38110148	GADUPUDI YASHWANTH
97	38200009	GAIKADI VISHNU SAI
98	38130064	GALI AKHIL
99	38110149	GALLA THRINADH
100	38110150	GANDA REDDY AKHIL KUMAR REDDY

101	38110006	GANDE ABHILASHI
102	38130065	GANDHAM MANIKANTA
103	38690004	GANDHIRAJAN.R
104	38110151	GANDIKOTA JAYA NAGA DURGA PRASAD
105	38110152	GANDU PAVANI
106	38181011	GANESA PERUMAL. R
107	38110153	GANESAN JAIWINI
108	38140011	GANESAN R
109	38150029	GANESH A
110	38130019	GANESH REDDY ATLA
111	38110154	GANGADASU ABHILASH REDDY
112	38130066	GANGAVARAM GOWRI SANKAR REDDY
113	38110155	GANGAVARAPU CHANDRABABU NAIDU
114	38110133	GANGULA DINESH
115	38210027	GANNAPANENI SAI VINEELA
116	38110157	GANTYADA MANI ROHITH
117	38110066	GARAGA BALA SIVA SURYA HARSHA
118	38130067	GARTAM KALYAN BABU
119	38130068	GAURAV KUMAR MISHRA
120	38210028	GAYATHIRI K K
121	38900022	GAYATHRI G
122	38120024	GAYATHRI M
123	38940014	GAYATHRI P
124	38110158	GAYATHRI S
125	38110159	GEDDADA KRISHNA SATYA
126	38150031	GEESALA HARSHITH
127	38110160	GEETIIK REDDY C S
128	38110161	GEMBALI VENKATA DHEERAJ
129	38260011	GENESISGODWIN BS
130	38210029	GEOFFRIN GODSON DANIEL J
131	38950009	GETHCY MAGDALENE R

132	38110162	GINKA GOPI AJAY
133	38181012	GLORY CARMEL. C. A
134	38130069	GNANA AKALYA M
135	38120025	GNANA SOUNTHARIYA S
136	38120026	GNANAMANI CT
137	38130070	GODWINSANJAY W
138	38150032	GOGUL ABISHAK R S
139	38110571	GOGURI SUMANTH REDDY
140	38110163	GOKIL PRADEEPR
141	38230013	GOKUL S
142	38090007	GOKUL V
143	38181013	GOKUL. G
144	38260013	GOKULAKANNAN V
145	38260012	GOKULAKRISHNAN K
146	38110164	GOLLA SAI JITHIN
147	38130071	GONA CHAITANYA PAVAN KUMAR
148	38110165	GONDESI JAGADEESWARI
149	38110166	GONGATI SAMBASIVARAO
150	38110167	GOPAL N
151	38110168	GOPALACHETTY VEDANTH
152	38110169	GOPALAKRISHNAN S
153	38130072	GOPATHI VENKATA KRISHNA
154	38900023	GOPIKRISHNARAJ S
155	38150033	GOPINATH S
156	38110170	GOPISETTY SAI PAVAN
157	38140012	GORLI VENKATA BHUVAN SAI
158	38110171	GOTTAPU VIJAY KUMAR
159	38200010	GOVARDHAN G
160	38900024	GOVIND PRABHAKAR SINGH
161	38110172	GOVINDAREDDYPALLI CHANDU
162	38190004	GOWRI SHANKAR M

163	38230014	GOWSIGA K
164	38120027	GOWTHAM S
165	38680010	GOWTHAM.A
166	38110173	GOWTHAMI C
167	38110524	GOYAL SHIVAM
168	38900025	GRACELIN SOLOMON J
169	38130074	GUBBALA PRADEEP
170	38110174	GUDAVALLI CH K SASIKIRAN
171	38130075	GUDE SAI MAHESH
172	38110175	GUDIMETLA ANJALI
173	38110176	GUDIPATI NAGARAJU
174	38110177	GUGHAN RAM R
175	38110178	GUJJALAPATI YAMINI
176	38130076	GUJJULA HEMANTH REDDY
177	38860701	GUNA P
178	38130077	GUNASEELAN P V
179	38110447	GUNDA RAMA SUJITH
180	38110179	GUNDU ROJA
181	38110180	GUNNAM SRINIVASU
182	38110181	GUNREDDY SAI CHARAN REDDY
183	38110182	GUNTUMADUGU NIKHILA
184	38130078	GUNTURI RAJA SUBASH CHENDRA
185	38110183	GUNTURU VENU GOPAL REDDY
186	38110184	GURAJALA HARI HARA VAMSI KUMAR
187	38110185	GURRALA SAIRAM REDDY
188	38260014	GURSHARAN KAUR PABLA
189	38110187	GURUPRASATH S
190	38110188	GYANENDRA RAZ
191	38120028	HAMID HUSSAIN
192	38110190	HARI KANNAN G
193	38110679	HARI R

194	38130079	HARI SAHITHI NALAMATI
195	38210030	HARIHARAN B
196	38210030	HARIHARAN B
197	38200011	HARIHARAN N
198	38110191	HARIHARAN R
199	38260015	HARIHARAN V
200	38150034	HARIKRISHNAN M
201	38680011	HARIKRISHNAN R
202	38690005	HARIKRISHNAN.M.K
203	38680012	HARIKRISHNAN.S
204	38230015	HARINAKSHI L
205	38130080	HARINI DHEVI S
206	38110194	HARINI R
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208	38950010	HARIPRASANTH S
209	38900027	HARIPRIYA C
210	38130081	HARISH N
211	38140013	HARIVENKATESH M
212	38150035	HARIVIGNESH S
213	38110196	HARSH BARDHAN MISHRA
214	38181015	HARSH VARDHAN SHAHI
215	38900028	HARSHA V
216	38120029	HARSHAN ANCHELL S
217	38130083	HEMA LATHA J
218	38130082	HEMA S V
219	38130084	HEMAMALINI M
220	38120030	HEMANTH REDDY. M
221	38240009	HEMAPRAKASH V K
222	38110199	HENRY D SAMUEL
223	38110200	HIMA SREE M
224	38181016	HIMANSHU KUMAR

225	38210031	HIYASHREE DEY
226	38150036	HRITHIK M
227	38110201	HRITHIK R
228	38110202	HRITURAJ SUTRADHAR
229	38180702	IDAMAKANTI BHANUSRI
230	38150037	IDRIS KHAN M
231	38110203	IESHWARYA G
232	38150038	IMANDI BVVLS BASANTH KUMAR
233	38120031	IMMACULATE MARIA FERNANDO
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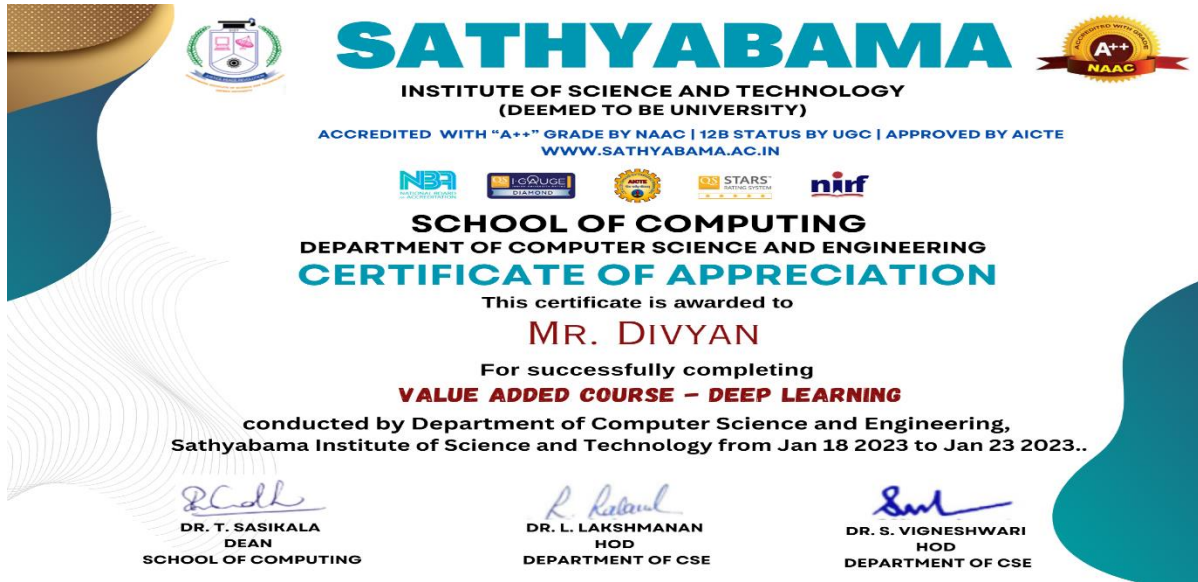
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319	38110226	KALVA PRANAI SAI REDDY
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325	38150047	KAMESH G
326	38110228	KAMESVAR G
327	38130096	KAMIREDDY PRAVEENKUMAR
328	38130097	KAMMA PREM KUMAR

PHOTOS





WEB DEVELOPMENT



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A++" Grade by NAAC|I2B Status by UGC|Approved by AICTE



School of Computing
Department of Computer Science and Engineering
Organizes

VALUE ADDED PROGRAM
ON

"WEB DEVELOPMENT "

PROGRAM CO ORDINATOR
Dr.ANTO PREVEENA

18.01.2023 TO 23.01.2023

CHIEF PATRONS:

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Dr. MARIE JOHNSON, President
Ms. MARIA CATHERINE JAYAPRIYA, Vice President

PATRON:

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CONVENORS:

Dr.T.SASIKALA, Dean, School of Computing
Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE

Registration Link



<https://forms.FGTH/zMZGEvz2B2BzAk1g7>



COURSE OBJECTIVES:

- To develop dynamic Web pages with high level of design and graphics.
- To apply prevailing technologies in the development of Web pages.
- To provide a platform for the learners to become a full stack developer.
- To Become a Full Stack Developer
- To understand the basics of Content Management Systems (CMS)

COURSE OUTCOMES:

Upon successful completion of this course students should be able to:

- Develop Web Applications using the current technologies and Web standards
- Apply styling, dynamic interaction with the Web components
- Develop Interactive Web Apps using AJAX, jQuery and JavaScript
- To develop Server-Side Scripting with PHP
- Able to communicate between front end and back end applications.

COURSE CONTENT:

HTML 5

Getting Started, Client-Side Scripting, Server-Side Scripting, Tools for Web Application Development, HTML Tags, Labels, Input, Dropdowns and Radio Buttons, Lists, Div and Span, Attributes, Tables, Buttons, Forms.

CSS 4 – Basics, Inline CSS, Internal CSS, External CSS, Selectors, Colours, Fonts, Alignment, Cascading, Animation, Media.

Bootstrap 4.5 - Colors and Backgrounds, Input Controls, Spacings, Tables, Forms, Navbars, Flexbox and Layout.

JavaScript – Variables, Operators, Conditional Statements and Loops, Arrays, Functions

(user defined and built – in), Objects: Math, Date, Numbers, String.

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	37860001	ABHIJITH
2	37210001	ABHISHEK DAS
3	37210002	AISHUWARYA V
4	37210003	ALLEN ANIL VARGHESE
5	37210004	ANGELINE INFANTCIA D SILVA
6	37900001	ANN ZACHARIAS
7	37900002	ANURITI GUHA
8	37210005	ARIJEET DEB ROY
9	37900003	ARJUN AJAYKUMAR BAJORIYA
10	37210951	ASHMITHA. A
11	37210952	BHAVANASI DHEERAJ
12	37900004	BHAVYA SRI S
13	37210007	CHAITANYA SAI JANARDHAN P
14	37210008	CHANDINI KUMAR
15	37900005	CHHAYA PARIHAR
16	37210009	CHRISTINA GIFTY GRACE
17	37900006	DEEPIKA PANDEY
18	37900007	DHARMARAJ K
19	37900008	DHARSHINI V
20	37210010	DINESH ARAVINDAN S
21	37210011	ELAKYA
22	37210012	ELTON R E SUBIN
23	37900009	FARHATH HAJIRA
24	37900010	FEMIL THEODER
25	37210013	GOKULAVASAN M
26	37210014	GRANDHE SAI NAGA RISHITHA
27	37210015	HARIBALAJI K
28	37900011	HARSHINI SADHU

29	37900012	HEMANTH KUMAR K
30	37900013	ICCHA KUMARI UPADHYAY
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32	38110537	BEKKAM SIVA KUMAR REDDY
33	38110075	BELLAM KONDA SAI VARSHITH
34	38110076	BELLAMKONDA SATHISH
35	38180001	BENONI ISAAC RAJ C
36	38180002	BERNARD A
37	38230005	BERTENA R
38	38130030	BEZAWADA VARSHITHA
39	38930002	BHAGAVATH HARINI V J
40	38150020	BHARAT D
41	38130031	BHARATHI L
42	38930003	BHARATHI S
43	38110078	BHARATI KAUSHIK
44	38110079	BHARATI MAGALAPU
45	38900011	BHAVANA MOHAN
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51	38110081	BHEEMIREDDY NAGAVIJAYASIVASURYAPRAKASHREDDY
52	38110072	BHIMIREDDY BAPIREDDY
53	38260006	BHOYE HARSHAD BHARAT
54	38110082	BHUMIREDDY SRIKANTH REDDY
55	38110083	BHUPATHI SHAMEER
56	38110084	BILL GATES V
57	38190003	BILVIK SRI SAI CHANDU GANNI
58	38110085	BISHWADEEP GHOSH
59	38240007	BLESSY N S

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61	38110422	BODDU PRASANTH REDDY
62	38130034	BOJJA NITHISH REDDY
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67	38110087	BOOSI HARSHAVARDHAN REDDY
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69	38900013	BRINDHA H
70	38110088	BUDDE SAI VARMA
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75	38120022	CATHERINE JENIFER R
76	38900014	CATHRIN BONNY
77	38110091	CH RAJA SHAKER
78	38110093	CHAITANYA RAJU GEDELA L V
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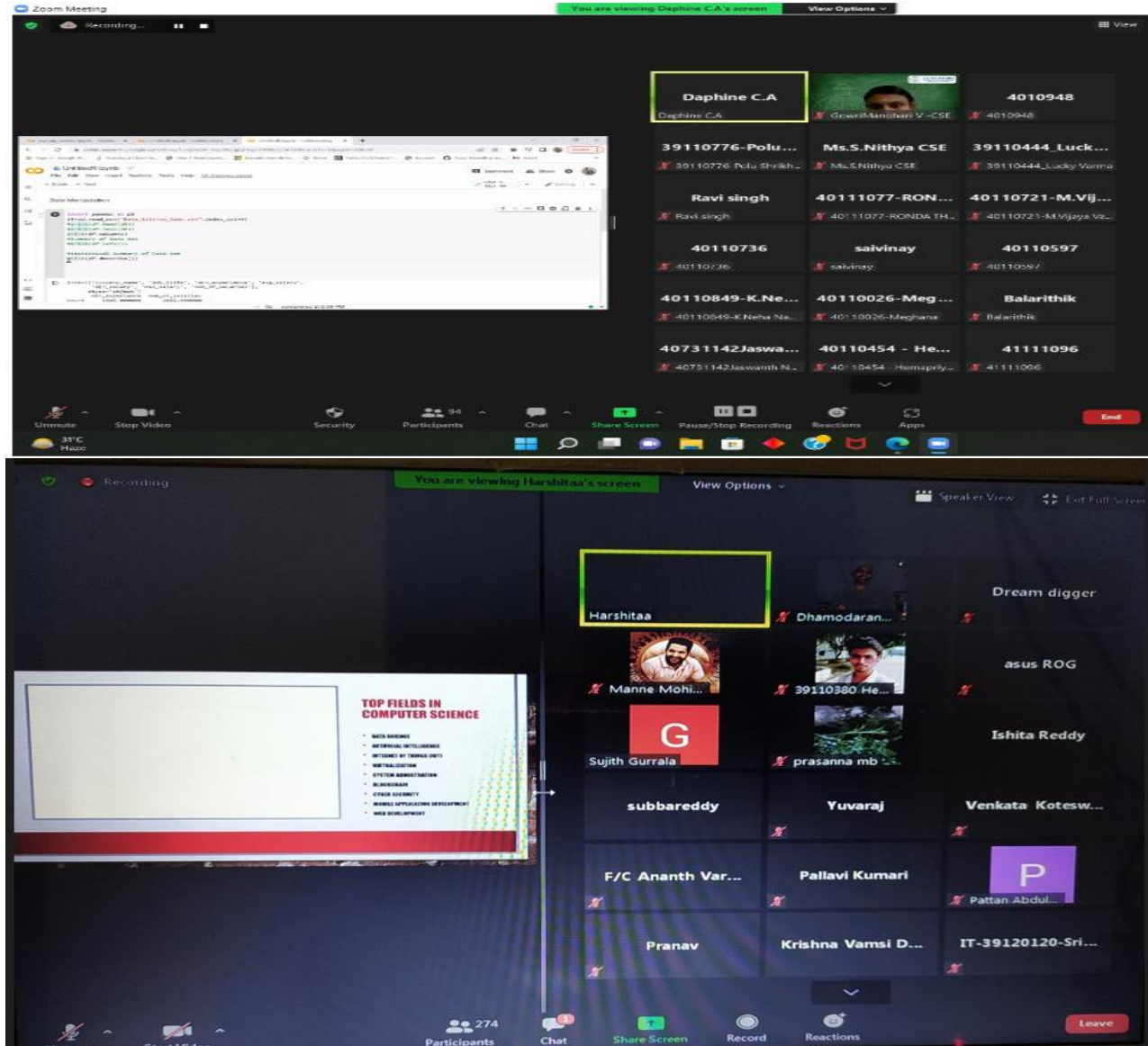
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PHOTOS





SATHYABAMA



INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

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SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CERTIFICATE OF APPRECIATION

This certificate is awarded to

MR MITHUN

For successfully completing

VALUE ADDED COURSE - WEB DEVELOPMENT

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from Jan 18 2023 to Jan 23 2023..

DR. T. SASIKALA
DEAN
SCHOOL OF COMPUTING

DR. L. LAKSHMANAN
HOD
DEPARTMENT OF CSE

DR. S. VIGNESHWARI
HOD
DEPARTMENT OF CSE

Machine Learning



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited "A++" Grade by NAAC|12B Status by UGC|Approved by AICTE



NBA **QS STARS** **AICTE** **nirf** **QS I-GAUGE**
NATIONAL BOARD OF ACCREDITATION RATING SYSTEM INDIAN UNIVERSITY RATING DIAMOND

School of Computing
Department of Computer Science and Engineering
Organizes
VALUE ADDED COURSE PROGRAM
ON
"MACHINE LEARNING"
RESOURCE PERSON
Mr.PRAVEEN
SOFTWARE ARCHITECT, IBM
FROM 18.01.2023 TO 23.01.2023
PROGRAM CO ORDINATOR
DR. YOVAN FELIX
CHIEF PATRONS:
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Dr.L.LAKSHMANAN, Head, Department of CSE
Dr.S.VIGNESHWARI, Head, Department of CSE
Registration Link
<https://forms.gle/zMZGEvz2B2BzAk1g7>

PROGRAM CO-ORDINATORS:
Dr.C.HEMALATHA, Asst. Professor - CSE
Ms.K.ANITA DAVAMANI, Asst. Professor - CSE
Dr.R.M.GOMATHI, Associate Professor - CSE
Ms.P.MALATHI, Asst. Professor - CSE
Ms.M.P.BOBBY, Asst. Professor - CSE

COURSE CONTENT:

Course Content:

I. Introduction to AI and Python Programming

1. What is Artificial Intelligence.
2. Application of AI

II. Programming Environment

1. Jupyter Notebooks
2. Basics of Linux Terminal

III. Python

1. Introduction to Python
2. Basic Data structures and syntax
3. Interpreter, loops, function and modules
4. Object oriented programming in python
5. Introduction to Numpy, Matplotlib and Pandas libraries

IV Machine Learning

1. Supervised Learning
2. Unsupervised Learning.
3. Semi –Supervised Learning
4. Reinforcement Learning

VI. Metrics and Model Analysis

1. Confusion Matrix
2. Sensitivity & Specificity.
3. Mean Average Error & root Mean Square Error
4. Bias – Variance Tradeoff

VII. Linear Regression for machine Learning

1. R statistic
2. Multiple Linear Regression

PARTICIPANT LIST

S.NO	Reg No	NAME OF THE STUDENT
1	37860001	ABHIJITH
2	37210001	ABHISHEK DAS
3	37210002	AISHUWARYA V
4	37210003	ALLEN ANIL VARGHESE
5	37210004	ANGELINE INFANTCIA D SILVA
6	37900001	ANN ZACHARIAS
7	37900002	ANURITI GUHA
8	37210005	ARIJEET DEB ROY
9	37900003	ARJUN AJAYKUMAR BAJORIYA
10	37210951	ASHMITHA. A
11	37210952	BHAVANASI DHEERAJ
12	37900004	BHAVYA SRI S
13	37210007	CHAITANYA SAI JANARDHAN P
14	37210008	CHANDINI KUMAR
15	37900005	CHHAYA PARIHAR
16	37210009	CHRISTINA GIFTY GRACE
17	37900006	DEEPIKA PANDEY
18	37900007	DHARMARAJ K
19	37900008	DHARSHINI V
20	37210010	DINESH ARAVINDAN S
21	41110750	MALAKALAPALLI VARUN SAI
22	41733042	MALAPATI D N HARSHAVARDHAN REDDY
23	41410187	MALAVI.M
24	41320001	MALCOLM CLEMENT FELIX .G
25	41110752	MALE SATHVIK REDDY
26	41110753	MALEPATI VENKATA RAM KUMAR CHOWDARY
27	41150047	MALIJEDDI SUJAN KUMAR
28	41840009	MALINI M

29	41110754	MALISETTI SRI SATYA PHANIMADHAN
30	41130289	MALLA JEEVAN KUMAR
31	41200020	Malla Vijaya Venkata Satish
32	41110755	MALLADI SIVA RAMAKRISHNA
33	41612025	MALLAMPALLI NAGA SAHITHI
34	41140051	MALLARAPU AKHIL
35	41614056	MALLEBOINA VENKATA AKHIL KUMAR
36	41190054	MALLELA CHAITANYA
37	41110756	MALLELA MOHAN REDDY
38	41130290	MALLIDI BHARGAV CHOWDARY
39	41110757	MALLIDI JAI PRAKASH REDDY
40	41110759	MALLIDI SANJAY VIKASH REDDY
41	41130291	MALLISETTY KARTHIK
42	41733043	MALLISETTY SAI VARUN
43	41110761	MALLOJU KRUPA SAGAR
44	41410188	MALVITHA R
45	41110764	MAMILLA MAHESH
46	41110830	MAMTA MUPPAVARPU NAGYYA
47	41110765	MAMUDURI ABHINAV
48	41410189	MANBU C S
49	41130292	MANCHALA VINAY KUMAR
50	41130293	MANCHIKALAPATI SIVAPRIYA
51	41731030	MANCHIRALA DEVICHARAN
52	41733044	MANDA LIKHIL MADHAV
53	41110767	MANDADAPU. SAI CHANDU
54	41732028	MANDALA KARTHIK
55	41110768	MANDALAPU KAVYA
56	41120108	MANDAPAKA GANESH
57	41130294	MANDAVA ESWAR
58	41340018	MANDAVA VENKATA SANKALP
59	41110769	MANDAVELLI SHIVA TEJA

60	41810011	MANEESWARI . T
61	41940017	MANGAL SHREE.A
62	41140052	MANGALAGIRI PURNIMA
63	41140053	Mani Mala.M
64	41107022	MANI PUSHPA VANESH.M
65	41110771	MANI TEJA KAKARLA
66	41110772	MANIGANDLA ROHITH
67	41140055	MANIKANDAN . R
68	41110773	MANIKANDAN G
69	41050030	MANIKANDAN P
70	40110726	MANIKANDAN. S
71	41860007	Manikandan.B
72	41130296	MANIKANTA SAI TEJA GUNDAVARAPU
73	41110774	MANIKKAVASAGAM V
74	41940018	MANIMUDI SIVAM G
75	41110775	MANISH MOHAN
76	37210024	MANISHA S
77	41050031	MANJU RAJAN
78	41580007	MANJULA A
79	41110777	MANNE AJAY SAI
80	41110778	MANNE SRI RITHVIK
81	41612027	MANNE VENKATA SUSHMA PRIYA
82	41110779	MANNEM SAI VINEETHA
83	41733045	MANNEPALLI HARSHINI
84	41110780	MANNEPALLI MANOJ KUMAR
85	41290034	MANOJ AROKIA SUSAI L
86	41150048	MANOJ E S
87	41270019	MANOJ K
88	41050032	MANOJ KUMAR
89	41120109	MANOJ KUMAR K
90	41130298	MANOJ S

91	41130297	MANOJ.N
92	41020006	MANOJ.R
93	41110781	MANOJ.S
94	41110782	MANTHENA SURYATEJ VARMA
95	41110783	MANU R.SNAIR
96	41732008	MANYAM JASWANTH
97	41130299	MARADANI JAYANTH DATHA
98	41110784	MAREDDY DEEKSHITH
99	41110785	MARELLA DEEKSHIT SAI
100	41410193	MARIA JABASTIN RAJ J
101	41410194	MARIA MANOJ PRABHAKAR.D
102	41410195	MARIA REQWIN
103	41110726	MARISETTI. SATYA SAI DURGA PRAVEEN
104	41130300	MARISETTY NAGA JEEVESH RANJAN GOUD
105	41130301	MARREDDY NIKHIL KUMAR REDDY
106	41110787	MARRI RAJASEKHAR
107	41150049	MARRIMEKALA HARSHITH
108	41110789	MARSHAL DIONEE L
109	41270020	MARSHAL.D
110	41130303	MARSTON CHRISTOPHER JEFERIES
111	41737008	MARY G
112	41105019	MARY RUDH CHRISTY A.S.R
113	41150050	MASABATTULA SATYA SRI JESHIK
114	41110791	MASANAM MOHAN SAI
115	41130304	MASARAM RAVI KIRAN
116	41732009	MATCHA BHAVANA
117	41110792	MATHEW M KANICHA
118	41110793	MATSA VENU
119	41130305	MATTA.NARENDRA
120	41300022	MAXIMILLIAN S
121	41130306	MAYANK SINHA





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SCHOOL OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF APPRECIATION

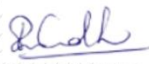
This certificate is awarded to

MR. ASHWING

For successfully completing

VALUE ADDED COURSE – MACHINE LEARNING

conducted by Department of Computer Science and Engineering,
Sathyabama Institute of Science and Technology from Jan 18 2023 to Jan 23 2023..



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