



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION
Accredited by NBA and NAAC with 'A' Grade.
Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTU H
Madhwal, Meerpur, Balapur, Hyderabad, Telangana - 500 097
Phone: 920077790, email: info@tkrcet.ac.in, web site: www.tkr.ac.in



To,

Date: 02-01-2023

The Principal,

TKRCET (K9),

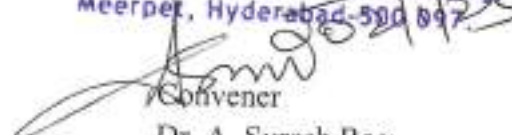
Hyderabad.

Sub: Value-added course on "Machine Learning Application Using IBM Cloud And Watson Studio".

Respected Sir,

The Department of Computer Science and Engineering is planning to conduct a Value added course on Machine Learning Application Using IBM Cloud And Watson Studio for II & III Year students for AY 2022-23. In this regard, We are requesting you to kindly permit us for the smooth conduction.


Co-Coordinator
DR M Narender
Assistant Professor
CSE-DEPT

Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpur, Hyderabad-500 097
Thanking You

Convener
Dr. A. Suresh Rao
Professor
CSE-DEPT


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Madhwal, Meerpur, Hyderabad-500097.

About TKRCET: TKR College of Engineering & Technology, established in the year 2002, has been sponsored by TKR Educational Society, Medhovi, Meerpet, Hyderabad, Telangana. It is recognized by AICTE and approved by the State Govt and affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH).

The College is recognized by UGC under Sections 2(f) and 12(B) of UGC Act 1956, further strengthens over cause of quality education. The college proudly offers 8 UG and 2 PG programs in offering a Professional Course in MBA and 5 programs in Diploma Course. With 15 years of rich standing in the educational era, TKR College of Engineering & Technology has an excellent track record which is evidenced across holding accreditation by NBA in 2008 for 3 years and accreditation for 2 years in 2015, and subsequently extended for one more year. This Institution has the distinction of being one among the Top 10 Ranking Institutes of choice and preference for the aspiring students.

About CSE Department: The department Provides students with in-depth understand of fundamentals and practical training related to professional skills and their applications through effective Teaching- Learning process and state of the art laboratories pertaining to CSE and inter disciplinary areas. Prepares students in developing research, design, entrepreneurial skills and employability capabilities. Provides consultancy services and promotes industry- Department interactions.

The department of CSE has an intake of 240 in CSE, 24 in PG. The department has good infrastructure facilities with full-fledged laboratories. The department has well qualified and experienced Faculty with 14 Professors & associate professors, 35 Assistant Professors. The department is headed by Dr. A Suresh Rao. He was conferred with the PhD Degree in Computer Science & Engineering from NIT Warangal, in the year 2015. He is also currently acting as Vice Principal and Dean of Academics. His Experience spans across a period of 20 years, 02 years in the Industry and 18 years in Teaching. Apart from teaching he is also discerning administrator.

About Course: Using IBM Watson Machine Learning, you can build analytic models and neural networks, trained with your own data, that you can deploy for use in applications. Watson Machine Learning provides a full range of tools and services so you can build, train, and deploy Machine Learning models. Choose from tools that fully automate the training process for rapid prototyping to tools that give you complete control to create a model that matches your needs.

Objectives of the Course

- This course agenda is to provide students with full hand exposure on technology in a practical approach
- Introduction to IBM cloud Platform and its's Cognitive Services to students.
- Helps students to build a working prototype of their idea

Expected Outcomes: Upon successful completion

- Hands on exposure on IBM cloud AI services.
- Students will be able to integrate cloud services Effectively.
- Able to understand the working knowledge on Speech To text and text to speech service of IBM Watson

DR. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
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A Value-added Course ON

ML Application using IBM cloud and Watson studio



Conducted by

Department of CSE

TKR COLLEGE OF ENGINEERING & TECHNOLOGY

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Accredited by NBA Accredited by AACSB with 'A' Grade

Medhovi, Meerpet Hyderabad-500097

Telangana State, India

PRINCIPAL
TKR College of Engineering & Technology

PROF. CHANDRANIS

TKR College of Engineering & Technology
Medhovi, Meerpet, Hyderabad-500097



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON

"MACHINE LEARNING APPLICATION USING IBM CLOUD AND WATSON STUDIO".

About Course: Using IBM Watson Machine Learning, you can build analytic models and neural networks, trained with your own data, that you can deploy for use in applications. Watson Machine Learning provides a full range of tools and services so you can build, train, and deploy Machine Learning models. Choose from tools that fully automate the training process for rapid prototyping to tools that give you complete control to create a model that matches your needs.

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- Helps students to build a working prototype of their idea

Expected Outcomes: Upon successful completion

- Hands on exposure on IBM cloud AI services.
- Students will be able to integrate cloud services Effectively.
- Able to understand the working knowledge on Speech To text and text to speech service of IBM Watson.

Course plan

1. Introduction and Pre requisites
2. IBM Watson studio
3. Ibm Watson studio continuation
4. Machine learning
5. Artificial intelligence
6. Node-Red
7. Introduction to Cloudant Database
8. IBM Technology Support Services
9. Tone analyser
10. Creating A Cognitive News Search Application
11. Machine Learning With Watson Studio
12. Query session.

Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpeta, Hyderabad-500 097.

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Medchal, Meerpeta, Balapur, Hyderabad, Telangana - 500 097
Phone: 9100372220, email: info@tkrcet.ac.in, web site: www.tkrcet.ac.in



To,
The Principal,
TKRCET (K9),
Hyderabad.

Date: 3-july-2022

Sub: Value-added course on "Flutter Frame work"

Respected Sir,

The Department of Computer Science and Engineering is planning to conduct a Value added course on Flutter Frame work for II & III Year students for AY 2022-23. In this regard, We are requesting you to kindly permit us for the smooth conduction.

Thanking You

Co-Coordinator
M.Thanmayee
Assistant Professor
CSE-DEPT

20/07/22
DR. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpeta, Hyderabad-500 097.
CSE-DEPT

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Principal

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About Course: Flutter is an open source framework Developed and supported by Google. Fronted and Full stack developers use Flutter to build an application user interface(UI) for multiple platforms with a single Codebase.

Flutter it mainly supported mobile app development. Flutter now supports application development on six platforms: iOS, Android, the web, Windows, MacOS, and Linux.

- Objectives of the Course**
- Understand the fundamentals of the Flutter Framework.
 - Incorporate widgets and state into your app.
 - Use Flutter's tools to enhance your development process
 - Customize your app with Material Design, themes, assets, and more
 - Make your app interactive with text input, gestures, and more.

- Expected Outcomes: Upon successful completion**
- Learn about the features and installation of Flutter
 - Learn about the basic programming constructs of Dart
 - Develop simple mobile applications in Flutter using Dart language
 - Develop mobile applications using database Connections

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Flutter Frame work



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 Medbawli, Meerpet Hyderabad-500097
 Telangana State, India

(Signature)
 DR. A. SURESH RAO
 T.K.R. College of Engineering & Technology
 (AUTONOMOUS)
 Meerpet, Hyderabad-500097.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Flutter Frame work topics to be covered

Day 1:Flutter Basics

Day 2:Dart Programming Language:

Day 3:Understanding Dart syntax and features

Day 4:Understanding Dart syntax and features

Day 5:Variables, data types, and operators

Day 6:Functions and classes in Dart

Day 7:Widgets:

Day 8:Building blocks of a Flutter app

Day 9:Layouts

Day 10:Navigation

Day 11:Drawer and tab-based navigation

Day 12:State Management

Day 13:Provider package for state management

Day 14:Animations

Day 15:Networking

Day 16:Local Data Storage

Day 17:Internationalization and Localization

Day 18:Forms and Validation

Day 19:Themes and Styling

Day 20:Theming your app

Day 21:State Management Solutions

Day 22:Packages and Plugins

Day 23:Platform-Specific Code

Day 24:Testing and Debugging:

Day 25:Deployment

Day 26:Web and Desktop Support



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Mediceni, Meerpeta, Hyderabad, Telangana - 500 097
Phone- 9100577793, email- info@tkrcet.ac.in, web site- www.tkrcet.ac.in



To,

Date: 01-11-2022

The Principal,
TKRCET (K9),
Hyderabad.

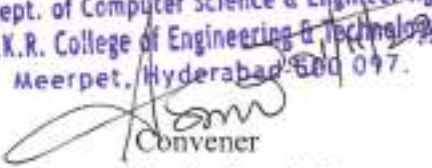
Sub: Value-added course on "Quantum Computing"

Respected Sir,

The Department of Computer Science and Engineering is planning to conduct a Value added course on Quantum Computing for II & III Year students for AY 2022-2023. In this regard, We are requesting you to kindly permit us for the smooth conduction.

Thanking You


Co-Coordinator
Dr CH B N Lakshmi
Professor
CSE-DEPT

Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpeta, Hyderabad-500 097.

Convener
Dr. A. Suresh Rao
Professor
CSE-DEPT


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Principal

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About Course:
It is still unknown whether quantum computers will ever be a reality.

If such machines are possible, they will fundamentally change how we perform calculations, and the implications on many applications (including communications and computer security) will be tremendous. Leaving the issue of feasibility aside, it is interesting nonetheless to study how to do computing using a quantum computer. This course aims to provide a first introduction to quantum computing. We will highlight the paradigm change between conventional computing and quantum computing, and introduce several basic quantum algorithms.

Objectives of the Course

In this course the students will be learning about these domains, and Quantum computing aims to manipulate and control these different physics to perform tasks and computations that our current digital computers are incapable of (at least, on short timescales).

Quantum computing can improve research and development, supply-chain optimization, and production. For example, you could apply quantum computing to decrease manufacturing process-related costs and shorten cycle times by optimizing elements such as path planning in complex processes.

Expected Outcomes:

- On successful completion, students will gain understanding of:
- 1. The basic principles of quantum computing.
- 2. The fundamental differences between conventional computing and quantum computing.
- 3. Several basic quantum computing algorithms.
- 4. The classes of problems that can be expected to be solved well by quantum computers.

DR. A. SURESH RAO
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A Value-added Course on Quantum-Computing



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Medibowli, Meerpet Hyderabad-500097
Telangana State, India



**ORGANIZING COMMITTEE
CHIEF PATRON**

Sri T. Krishna Reddy
Founder chairman, TKRCET

PATRON

Dr. T. Harnath Reddy
secretary, TKRCET

Sri. T. Amaranath Reddy
Treasurer, TKRCET

CHAIRPERSONS

Dr. D. V.Ravi Shankar
Principal, TKRCET

ADVISORY COMMITTEE

Dr. A. Suresh Rao
Head, Department of CSE

TECHNICAL COMMITTEE

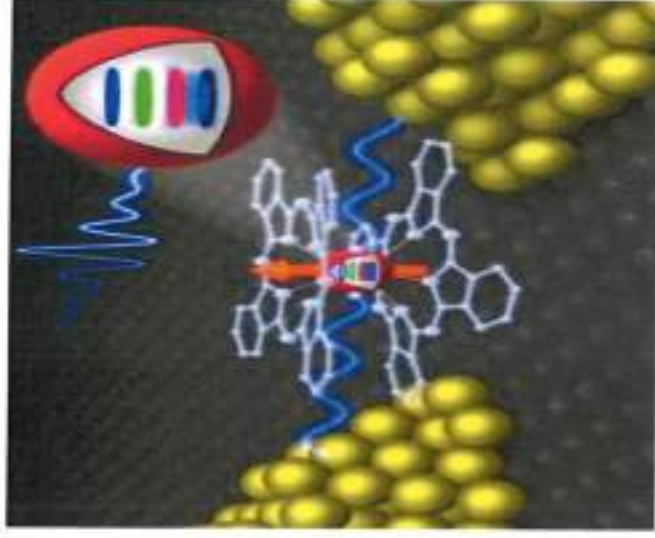
Mr. Kiran Kumar

FACULTY CO-ORDINATOR

DR. DAHE SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.



**A Value-added
Course on
Quantum-Computing**



TKRCET
T.K.R. COLLEGE OF ENGINEERING & TECHNOLOGY
MEERPET, HYDERABAD-500 097
Dr. Dahe Suresh Rao
Head of the Department
Dept. of Computer Science & Engineering



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON QUANTUM COMPUTING

About Course:

It is still unknown whether quantum computers will ever be a reality. If such machines are possible, they will fundamentally change how we perform calculations, and the implications on many applications (including communications and computer security) will be tremendous.

Leaving the issue of feasibility aside, it is interesting nonetheless to study how to do computing using a quantum computer. This course aims to provide a first introduction to quantum computing. We will highlight the paradigm change between conventional computing and quantum computing, and introduce several basic quantum algorithms.

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For example, you could apply quantum computing to decrease manufacturing process-related costs and shorten cycle times by optimizing elements such as path planning in complex processes.

Expected Outcomes:

On successful completion, students will gain

understanding of:

1. The basic principles of quantum computing.
2. The fundamental differences between conventional computing and quantum computing.
3. Several basic quantum computing algorithms.
4. The classes of problems that can be expected to be solved well by quantum computers.

Course plan:

SNO	TOPIC
1	INTRODUCTION Of Quantum Computing, FUNDAMENTALS
2	Prehistory of Quantum Computing, From Randomized to Quantum Computation
3	Hilbert Space Basics
4	Observables and measurements, Tensor products in Hilbert spaces, Mixed states and density operators
5	Experiments, Classical experiments, Quantum experiments single particle interference
6	Quantum experiments measurements
7	Quantum Principles- States and amplitudes, Measurements the projection approach
8	Evolution of quantum systems, Compound quantum systems, Quantum theory interpretations

**Value-Added Course Attend Student List****II YEAR**

SL NO	HT NO	NAME OF THE STUDENT
1	21K91A0501	A NAVEEN
2	21K91A0502	AADHI VINAY
3	21K91A0503	AAYUSHI GUPTA
4	21K91A0504	ADITI VERMA
5	21K91A0505	ADUPALA PRASHANTH REDDY
6	21K91A0506	AEKKALA RITHWIK
7	21K91A0507	AKKI VAMSHI KRISHNA
8	21K91A0508	AKKINEPALLY SAI REVANTH NAIDU
9	21K91A0509	AKULA RAMYA
10	21K91A0510	ALLAMPALLI SWATHI
11	21K91A0511	AMMATI SANTHOSH REDDY
12	21K91A0512	AMRUTHA KALYAN
13	21K91A0513	ANDUGULA ABHISHEK
14	21K91A0514	ANEGOUNI VISHNUVARDHAN GOUD
15	21K91A0515	ANNAM ARCHANA
16	21K91A0516	ANNEDLA RITHWIK REDDY
17	21K91A0517	ANNU JEEVAN REDDY
18	21K91A0518	ANSAR KHAN
19	21K91A0519	ANUMANDLA VIVEK
20	21K91A0520	ANUMULA VAMSHI REDDY
21	21K91A0521	ARMEEN MARIAM KHAN
22	21K91A0522	ARYAMAN VERMA
23	21K91A0523	AVIRINENI POOJITHA
24	21K91A0524	AVVARI MAHESH
25	21K91A0525	BADDAM MEGHANA
26	21K91A0526	BADDAM SATHVIK KUMAR REDDY
27	21K91A0527	BANALA AKANKSHA
28	21K91A0528	BANDA MANISHA
29	21K91A0529	BANDARI RITESH
30	21K91A0530	BANOTH ANAND KUMAR
31	21K91A0531	BARIGALA MEGHANATH
32	21K91A0532	BATHINI AKHILA
33	21K91A0533	BATHULA VINAY
34	21K91A0534	BETHALA BHANUPOOJA
35	21K91A0535	BHANDARI PRASANNA MANI TEJA
36	21K91A0536	BHOPE DINESH
37	21K91A0537	BHUKYA ANITHA
38	21K91A0538	BIJJI UPENDER
39	21K91A0539	BIPIN SHAH
40	21K91A0540	BODAPATLA NISHANTH

41	21K91A0541	BOJJA KEERTHI
42	21K91A0542	BOLLI CHANDHU
43	21K91A0544	BOPPENA SRITEJ
44	21K91A0545	BOWROJU VIJAY
45	21K91A0546	BOYA RAJU
46	21K91A0547	BYRAM SRAVAN
47	21K91A0548	CHALLA SWETHA
48	21K91A0549	CHEDIMELA SHARON
49	21K91A0550	CHEDURUPALLY KAVYA
50	21K91A0551	CHEVELI BHARAT KUMAR
51	21K91A0552	CHIGULLAPALLY AKSHAY
52	21K91A0553	CHILPUR JHANAV REDDY
53	21K91A0554	CHIMATA YAMINI DHANALAXMI
54	21K91A0555	CHINTHAKINDI SHIVA KUMAR
55	21K91A0556	CHITIKESI SHIVANI
56	21K91A0557	CHITTE AJAY
57	21K91A0558	DANVATH ABHIJEET
58	21K91A0559	DAPPURI PREETHI
59	21K91A0560	DARGA VINAY KUMAR
60	21K91A0561	DARIPALLI NAVEEN KUMAR
61	21K91A0562	DARSHANAM ANUSHA
62	21K91A0563	DEGAVATH SHARATH
63	21K91A0564	DODLA AKSHITHA
64	21K91A0565	DUBASI VARSHINI
65	21K91A0566	DURGAPATHI NISHANTH GOUD
66	21K91A0567	EMMADI PAVAN KUMAR
67	21K91A0568	G MEGHANA
68	21K91A0569	G SUMITH
69	21K91A0570	G SWETHA
70	21K91A0573	GADDAM NEHA
71	21K91A0574	GADDAM PRANAVI REDDY
72	21K91A0575	GADDAMIDI ADITHYA
73	21K91A0576	GADEPAKA PRANAY
74	21K91A0577	GADIPARTHI DATHA SAI
75	21K91A0578	GAJANGI SHIVANI
76	21K91A0579	GAJARAMDODDI MANIVARDHAN REDDY
77	21K91A0580	GAJULA PRANITH
78	21K91A0581	GANDE NIKHIL
79	21K91A0582	GANGULA MANEESH ROHAN
80	21K91A0583	GANNA ARYAN VARMA
81	21K91A0584	GARIPELLY NAGARJUNA GOUD
82	21K91A0585	GHANTA TEJORMAI
83	21K91A0586	GIDDE PRIYANKA
84	21K91A0587	GOGI REDDY BHANU TEJA REDDY
85	21K91A0588	GONELLA DURGA HARSHITHA
86	21K91A0589	GOPIDI JEEVAN REDDY

87	21K91A0590	GORITA SAI KEERTHAN REDDY
88	21K91A0591	GOTTIMUKKULA SHIRISHA
89	21K91A0592	GUDALA SREEYA
90	21K91A0593	GUDESEA AKSHAY
91	21K91A0594	GUJIRI PAVANKALYAN
92	21K91A0595	GUNTI SHIVAMANI
93	21K91A0596	GURLE PAVANI
94	21K91A0597	HAJERA BEGUM
95	21K91A0598	HEMANTH MEGAVATH
96	21K91A0599	IREVENTHI DEEPTHI
97	21K91A05A0	JAIDI PREETHI
98	21K91A05A1	JAKKA RACHANA
99	21K91A05A2	JAKKA SANJAY
100	21K91A05A3	JATOTH SRIKANTH
101	21K91A05A4	JERRY PRANEETH
102	21K91A05A5	JIKKULA GOPI CHAND
103	21K91A05A6	K AJITH REDDY
104	21K91A05A7	K LAVANYA
105	21K91A05A8	K MAHESH RATHOD
106	21K91A05A9	K NANDINI
107	21K91A05B0	K SAI MANISH
108	21K91A05B1	K SUSRITHA
109	21K91A05B2	KHAJA MUBASHIR ARSALAN
110	21K91A05B3	KAKUNURI SHIVASHANKAR
111	21K91A05B4	KALAKONDA MAHESH
112	21K91A05B5	KALASAPATI SRIHARI
113	21K91A05B6	KALVA AKSHAYA
114	21K91A05B7	KAMMA REVANTH SAI
115	21K91A05B8	KANCHARAKUNTLA PAVANKUMAR REDDY
116	21K91A05B9	KANCHARLA NEHA
117	21K91A05C0	KANCHERLA VENKATA MURALI
118	21K91A05C1	KANDUKURI SRAVAN REDDY
119	21K91A05C2	KANTEKAR MADHUJA
120	21K91A05C3	KARNAKANTI SHARAN KUMAR
121	21K91A05C4	KASHIMSHETTY PRAVALIKA
122	21K91A05C5	KATHULA RAJKUMAR
123	21K91A05C6	KAYYAM RAVINDHAR REDDY
124	21K91A05C7	KELOTH ADITHYA
125	21K91A05C8	KESA RAMYA
126	21K91A05C9	KINI KRUTHIKA
127	21K91A05D0	KODIGANTI ROVAN
128	21K91A05D1	KODUMURI NIKHIL REDDY
129	21K91A05D2	KOKKIRENI RAVI
130	21K91A05D3	KOMMU LAVANYA
131	21K91A05D4	KONDETI KISHORE
132	21K91A05D5	KONUKATI LAXMAN

133	21K91A05D6	KORLAPATI NARENDRA
134	21K91A05D7	KOSUNA SRAVAN
135	21K91A05D8	KOTA ADARSH
136	21K91A05D9	KOTA NITHIN
137	21K91A05E0	KOTHAINTE UMA REDDY
138	21K91A05E1	KOTHAKONDA PRANITHA
139	21K91A05E2	KOTHAPALLY SAI RAM
140	21K91A05E3	KUNCHEM RAKESH
141	21K91A05E4	KURA ABHIRAM
142	21K91A05E5	M KISHORE NAYAK
143	21K91A05E6	M SANDEEP REDDY
144	21K91A05E7	M SRI KAVYA
145	21K91A05E8	MACHA SAI KIRAN
146	21K91A05E9	MAGINI PAVAN
147	21K91A05F0	MAHANKALI SRI VARSHINI
148	21K91A05F1	MALEKEDI ARUN KUMAR
149	21K91A05F2	MALLOJU SAI KUMAR CHARY
150	21K91A05F3	MANDHAPURAM SHIVANI
151	21K91A05F4	MANGALI CHANDANA
152	21K91A05F5	MANGU MADHAV
153	21K91A05F6	MARAPAKA RANI
154	21K91A05F7	MAREEDU THIRUMALA PRASAD
155	21K91A05F8	MARISE ABHINAY
156	21K91A05F9	MAYANI PRAKASH
157	21K91A05G0	MEDIKONDA SRUJANA
158	21K91A05G1	MEKAPOTHULA MADHU
159	21K91A05G2	MEREDDY RAMCHARAN
160	21K91A05G3	MISKIN NAVEEN KUMAR
161	21K91A05G4	MITTAGADUPULA SHARAVARAN
162	21K91A05G5	MOHAMMAD SAQLAIN DANISH
163	21K91A05G6	MOHAMMED AFHAM KHAN
164	21K91A05G7	MOHAMMED AYMAN FAROOQUI
165	21K91A05H0	MUDHIGONDA NARESH
166	21K91A05H1	MULA RUTHIK REDDY
167	21K91A05H2	MUZAMMIL HALEEM AHMED
168	21K91A05H3	MYADARAM SAI KIRAN
169	21K91A05H4	NAGARAM ANUSHA
170	21K91A05H5	NAGOJU NAVEEN KUMAR
171	21K91A05H6	NALLA SRINATH
172	21K91A05H7	NAMINI ABHISHEK
173	21K91A05H8	NOMULA VINITH REDDY
174	21K91A05H9	NUNNA KARTHIK
175	21K91A05J0	P RAJESH
176	21K91A05J1	PADALA VAMSHI KRISHNA CHARY
177	21K91A05J2	PAGIDI BHARATH SAI RAM
178	21K91A05J3	PAIDIPELLY RAVI

179	21K91A05J4	PANDHIRI RANJITH REDDY
180	21K91A05J5	PANDLA NAGA DHANUSH GOUD
181	21K91A05J6	PAPINENI SUDHEER KUMAR
182	21K91A05J7	PASULA HARI CHANDAN REDDY
183	21K91A05J8	PAYYAVULA JAYANTH KUMAR
184	21K91A05J9	PERALA PAVANI
185	21K91A05K0	PERUMANDLA CHANDRA SHEKAR AZAD
186	21K91A05K1	PILLI ABHINAYA SRI GAYATRI
187	21K91A05K2	PODAPATI ANUSHA
188	21K91A05K3	POKALA SRIJA
189	21K91A05K4	POLU MANIKANTA
190	21K91A05K5	POSU SAI SIDDARTHA
191	21K91A05K6	PRAJYOTH DESHPANDE
192	21K91A05K7	PRIYA KUMARI
193	21K91A05K8	PUJA NAYAK
194	21K91A05K9	PULLURU GOPI SIVA SANKAR
195	21K91A05L0	PUNDRA VAHINI
196	21K91A05L1	PUNNAM NAVEEN
197	21K91A05L2	RAGHAVARAPU MOHITHA
198	21K91A05L3	RAGI SURYA PRATAP REDDY
199	21K91A05L4	RAMA PUJITHA
200	21K91A05L5	RAMAGIRI DEEPTHI
201	21K91A05L6	RAMAGIRI SWETHA
202	21K91A05L7	RANGARAJU AKSHAYA SIRI
203	21K91A05L8	RATHLAVATH YASHWANTH
204	21K91A05L9	RAYABARAPU SANDEEP
205	21K91A05M0	REKHA VIJAYASRI
206	21K91A05M1	REPALLE CHARAN
207	21K91A05M2	S UDAY SAI KIRAN
208	21K91A05M3	SABAVATH MANJULA
209	21K91A05M4	SAI AKHIL SINGADE
210	21K91A05M5	SAI NANDINI
211	21K91A05M6	SAIREDDY SRIVALLI
212	21K91A05M7	SALIKANTI SRIKANTH
213	21K91A05M8	SALLURI GUNAKAR
214	21K91A05M9	SALLURI SAMPATH
215	21K91A05N0	SANA BEGUM
216	21K91A05N1	SAREDDY RANJITH REDDY
217	21K91A05N2	SEELAM SIREESHA
218	21K91A05N3	SEETHA BHARADWAJ
219	21K91A05N4	SHADDARSANAM DRUVTEJ KUMAR
220	21K91A05N5	SHAIK RIYAZ BABA
221	21K91A05N6	SHAIK RIZWANA
222	21K91A05N7	SHANIGARAPU SRINIVAS
223	21K91A05N8	SHANKER CHANDRA VAMSHI

224	21K91A05N9	SHIVARATHRI HEMANTH KUMAR
225	21K91A05P0	SOM ROHITH
226	21K91A05P1	SOMU SIDDHARTH REDDY
227	21K91A05P2	SYED SOUFIAN
228	21K91A05P3	T ASHISH
229	21K91A05P4	T NARESH
230	21K91A05P5	T SHIVA SAI
231	21K91A05P6	TALARI SAI CHANDANA
232	21K91A05P7	TARAKA RAMUDU
233	21K91A05P8	TEJAVATH SRI RAM
234	21K91A05P9	THALLA ARAVINDH
235	21K91A05Q1	THIRUPATHI PRABHATH
236	21K91A05Q2	THONDAPALLY SREE CHARAN REDDY
237	21K91A05Q3	THUMMALA SRAVANI
238	21K91A05Q4	V ALEKHYA
239	21K91A05Q5	VASANTHA DHANUSH
240	21K91A05Q6	VEERABOMMA MEGHANA PRUTHVI
241	21K91A05Q7	VELPURI DEEPTHI
242	21K91A05Q8	VEMULA ANVITHA CHOWDARY
243	21K91A05Q9	VEMULA KARTHIK
244	21K91A05R0	VOLETI KESHAV
245	21K91A05R1	VURIMALLA ASHRITH
246	21K91A05R2	WAGHMARE MANISHA
247	21K91A05R3	Y SHIREESHA
248	21K91A05R4	YADAGIRI VARUN PRAYAG
249	21K91A05R5	YAMJALA SAI SRIKAR REDDY
250	21K91A05R6	YAPATLA NEHA
251	21K91A05R7	YEERUPULLA SWETHA
252	21K91A05R8	YERRAMADA RAHUL
253	22K95A0501	A HARITHA
254	22K95A0502	ANJALI KUMARI SHA
255	22K95A0503	BANDLA KOUSHIK
256	22K95A0504	D AMBADAS
257	22K95A0505	D UDAY CHANDRA
258	22K95A0506	KALLA VARALAXMI
259	22K95A0507	KOMATISHETTI NEERAJ
260	22K95A0508	KOTHAPALLY POOJITHA
261	22K95A0509	MATHANGI VENNELA
262	22K95A0510	MOHAMMED MUSTAFA
263	22K95A0511	MOHAMMED TOUFEEQ
264	22K95A0512	MOHD FASI UDDIN
265	22K95A0513	MORAMPUDI KRISHNA APIL CHOWDARY
266	22K95A0514	NANDIPATI KALYAN
267	22K95A0515	P PAVANKUMAR

268	22K95A0516	PAKA HARSHA VARDHAN
269	22K95A0517	PALAKONDA BHARATH CHANDRA
270	22K95A0518	PASUNOORI BHARGAVI
271	22K95A0519	RAGATI VARSHA
272	22K95A0520	SALKUTI NAVITHA
273	22K95A0521	SUROJU GOWTHAM
274	22K95A0522	SYED YASEEN ALI RAZVI
275	22K95A0523	VADTHYAVATH RANJEETH KUMAR NAYAK
276	22K95A0524	VALLAMDASU CHANDANA
277	22K95A0525	VARA DEEPAK
278	22K95A0526	VASALA TEJA
279	22K98A0501	YARAMADHA RISHI KUMAR REDDY
280	22K98A0502	OMKAR MANOHAR WAGHMARE

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**Value-Added Course Attend Student List**

III YEAR		
1	18K91A05C4	MD SHOAIB
2	20K91A0501	ABDUL BASHITH
3	20K91A0502	ADEPU SAI TEJA
4	20K91A0503	AKULA NANDINI
5	20K91A0504	ALAM ANUSHA
6	20K91A0505	AMGOTHU SIDDHU
7	20K91A0506	ANDHE VINEELA
8	20K91A0507	ANEM KARTHIK
9	20K91A0508	ANISHKA V NELLI
10	20K91A0509	ANKIREDDY ARAVIND
11	20K91A0510	ASHANOLLA SRIDHAR REDDY
12	20K91A0511	ATLA VINAYAK REDDY
13	20K91A0512	B VAISHNAVI
14	20K91A0513	BACHIREDDY KOUSHIK REDDY
15	20K91A0514	BAIRABOINA KRUSHIK
16	20K91A0515	BALTHI AKHIL
17	20K91A0516	BALYALA SREEJA
18	20K91A0517	BANOTH SHIVAMANIKANTA
19	20K91A0518	BANURU ROHITH KUMAR REDDY
20	20K91A0519	BARUPATI HARIKA
21	20K91A0520	BELLAPU GAYATHRI
22	20K91A0521	BELLI UDAYKIRAN
23	20K91A0522	BHUMPALLI MOHD SHANAWAZ
24	20K91A0523	BHURE KUNAL
25	20K91A0524	BINGI SAI GANESH
26	20K91A0525	BOBBITI HEMANTH REDDY
27	20K91A0526	BODA AVANTHIKA
28	20K91A0527	BOINI SANITH
29	20K91A0528	BONAGIRI SWEJAN
30	20K91A0529	BONTHU ROHITH
31	20K91A0530	BORE MAHESH
32	20K91A0531	BORRA KRISHNA SRI SANTHOSHI VALLIKA
33	20K91A0532	BUDDHARAM MAHESH
34	20K91A0533	BUKYA SHIVAJI
35	20K91A0534	BURRI AJAY SIVARAM
36	20K91A0535	BURSU DURGA BHAVANI
37	20K91A0536	C PRAVEEN KUMAR
38	20K91A0537	CHANDA SHIVA SHANKAR
39	20K91A0538	CHAVIDI RISHIKESH REDDY
40	20K91A0539	CHETTIPALLY JHANSI

41	20K91A0540	CHIKATI SANKEERTHANA
42	20K91A0541	CHILUMULA SHIVANI
43	20K91A0542	CHINTALA SRAVANI
44	20K91A0543	CHINTHALA HARSHITHA
45	20K91A0544	DASOJU CHARAN
46	20K91A0545	DATHRIKA PRAVALIKA
47	20K91A0546	DHARAVATH DEVENDER
48	20K91A0547	DUNNA NISSI
49	20K91A0548	GADDAM AISHWARYA ANJANI
50	20K91A0549	GADDI YASHWANATH
51	20K91A0550	GAJULA ANJALI
52	20K91A0551	GANDHAM NANDINI
53	20K91A0552	GARLAPATI SRIKAR REDDY
54	20K91A0553	GOLLAPUDI SHIVANANDA SAI
55	20K91A0554	GOVULA RAJESH
56	20K91A0555	GUDA ROHITH
57	20K91A0556	GUDETI SINDHUJA
58	20K91A0557	GUNDA SATWIK REDDY
59	20K91A0558	GUNDAMALA THARUN
60	20K91A0559	GUNDETI DIVYA
61	20K91A0560	GUNTA KAILASH
62	20K91A0561	KUNTA LAXMAN
63	20K91A0562	ILLURI SUDHEER BABU
64	20K91A0563	INJA SAINADH REDDY
65	20K91A0564	INJETI NAGA LIKITHA REDDY
66	20K91A0565	JAGIDI SRIKANTH REDDY
67	20K91A0566	JAJAPURAM SAI DEEKSHITA
68	20K91A0567	JALA NIKHIL SAI
69	20K91A0568	JANGALA SWETHA
70	20K91A0569	JINUKUNTALA SAI
71	20K91A0570	K V HARSHAVARDHAN REDDY
72	20K91A0571	K VAISHNAVI
73	20K91A0572	K VENKAT SAI
74	20K91A0573	KADALI SRIVASTAV
75	20K91A0574	KALLEDA SAI KIRAN
76	20K91A0575	KALLURI ANUDEEP
77	20K91A0576	KALYANAM VANDANA
78	20K91A0577	KANUKURTHI MOUNIKA
79	20K91A0578	KARASANI SAINHA
80	20K91A0579	KARATLAPALLY ABHI RAM TEJA
81	20K91A0580	KARLA SHRAVYA
82	20K91A0581	KARNATI RAM SUMANTH
83	20K91A0582	KASARLA DEEKSHITH REDDY
84	20K91A0583	KATLE VIJAY KUMAR REDDY
85	20K91A0584	KETHAVATH AJAYKUMAR
86	20K91A0585	KETHAVATTH SUNITHA
87	20K91A0586	KOMMERA DHARMIKA

88	20K91A0587	KOMMU SANDEEP
89	20K91A0588	KONDA ARUN
90	20K91A0589	KONDERU SRINATH
91	20K91A0590	KONKATTI SAISHIVA
92	20K91A0591	KORVI DHEEPAK
93	20K91A0592	KOTA SRUTHI
94	20K91A0593	KOTHA ABHILASH REDDY
95	20K91A0596	KUMBUM MOHAN GOUD
96	20K91A0597	KUNATI ARYAN KRISHNA
97	20K91A0598	KUNTA RAMU
98	20K91A0599	KURUPATI HIMABINDU
99	20K91A05A0	KURVA CHANBASANTH
100	20K91A05A1	LAVU SANDEEP CHOUDHARI
101	20K91A05A2	LODA RANJITH
102	20K91A05A3	M.DEEPIKA
103	20K91A05A4	MADARAPU HARSHAVARDHAN
104	20K91A05A5	MALOTH SIDDHU
105	20K91A05A6	MANGADUDLA NAVEEN
106	20K91A05A7	MARIKANTI VINAY KUMAR
107	20K91A05A8	MARNENI VARUN SATHWIK
108	20K91A05A9	MARRURU DURGABHAVANI
109	20K91A05B1	MD MUSTAFA
110	20K91A05B2	MOHAMMAD ABDUL GAFOOR
111	20K91A05B3	MOHAMMAD LALBEE
112	20K91A05B4	MOHAMMAD SHAHBASH
113	20K91A05B5	MOHAMMED HUZEFA
114	20K91A05B6	MOHD NAYEEMUDDIN GHORI
115	20K91A05B7	MONDIKATHI AJAYKUMAR
116	20K91A05B8	MOORASANI ABHIRAM SAI REDDY
117	20K91A05B9	MUKKA SNEHA
118	20K91A05C0	MUNNURWAR PRATHIJA
119	20K91A05C1	MUTHYALA SATHYAHARSHA
120	20K91A05C2	MUTHYAM SAIKIRAN
121	20K91A05C3	MYATHAR ARAVIND
122	20K91A05C5	NANNEM NITHIN
123	20K91A05C6	NEHA
124	20K91A05C7	NELLUTLA SANJANA
125	20K91A05C8	NIMMA RUTHVIK REDDY
126	20K91A05C9	NOMULA VENKATA SAHITHI
127	20K91A05D0	ONMANI NITISH
128	20K91A05D1	PACHUDALA DINESH
129	20K91A05D2	PAGIDOJU VARSHITHA
130	20K91A05D3	PAKA JAGRUTHI
131	20K91A05D4	PANKARLA DEEPANJALI
132	20K91A05D5	PARAMKUSHAM HASINI
133	20K91A05D6	PEDDAPELLY KRISHNAJA
134	20K91A05D7	PENDYALA VINAY KUMAR

135	20K91A05D9	POLSANI SAI VAMSHI
136	20K91A05E0	PONNALA VIVEK REDDY
137	20K91A05E1	PONNAM SAI KUMAR
138	20K91A05E2	POREDDY SHIVA KRISHNA REDDY
139	20K91A05E3	POTTUMUTHU MANIKANTA
140	20K91A05E4	PRIYANKA GUMPULA
141	20K91A05E5	PULIKANTI HARISH REDDY
142	20K91A05E6	PURI PUJITHA
143	20K91A05E7	PUSA AKSHAY
144	20K91A05E8	PYATA ANIL
145	20K91A05E9	RABAHUDDIN OSMAN
146	20K91A05F0	RAGHAVENDRA YADAV KOMMU
147	20K91A05F2	RAVIRALA GAYATHRI
148	20K91A05F3	RAVULA ARAVIND
149	20K91A05F4	REBBA SAI PAVAN
150	20K91A05F5	REMADALA SREENU
151	20K91A05F6	REBBA NISHANTH KUMAR
152	20K91A05F8	RUDRARAPU RAJINI VIJETHA
153	20K91A05F9	SADHAM SWETHA
154	20K91A05G0	SAMA SAI SANTHOSH REDDY
155	20K91A05G2	SANA FATIMA
156	20K91A05G3	SANDRA KARTHIK
157	20K91A05G4	SHAIK EMAM
158	20K91A05G5	SHAIK SAMEER
159	20K91A05G6	SHAIK SHOIEB SULTHAN
160	20K91A05G7	SHENIGARAM SHREYA
161	20K91A05G8	SHER RAMU
162	20K91A05G9	SIMHADRI SAI CHARAN
163	20K91A05J0	SUNKIREDDY KEERTHANA REDDY
164	20K91A05J1	SUNNAGANTI SHRAVYA
165	20K91A05J2	SURBIRYAL SANJANA
166	20K91A05J3	TEEGALA BHARGAVI
167	20K91A05J4	THUNKOJU SAINADH
168	20K91A05J5	TUNGA JHANSI
169	20K91A05J6	UJJU VENKAT RAO
170	20K91A05J7	UTNOORI VISHWA CHARAN
171	20K91A05J8	VANGALA RUSHINDRA
172	20K91A05J9	VARAD PANCHAL
173	20K91A05K0	VARAKAVI BHAVANA
174	20K91A05K1	VARALA SANKETH
175	20K91A05K2	VATTI SHIRISHA
176	20K91A05K3	VENEPALLY PARDHA TEJA
177	20K91A05K4	VENKATAPURAM SHIVA SHANKAR
178	20K91A05K5	VIDIYALA PHANEESHWAR
179	20K91A05K6	VINCENT PRAJWAL MARASAKATLA
180	20K91A05K7	VOMULA ARAVIND
181	20K91A05K8	Y KIRAN KUMAR

182	20K91A05K9	YADAVALLI CHANDANA
183	20K91A05L0	YARRAMADA SREEJA
184	20K91A05L1	YASHWANTH REDDY ANUGU
185	20K91A05L2	YELUKURU MOHAN GANESH
186	20K91A05L3	BURRE SHRAVAN
187	20K91A05L4	MANTHOJU NANDINI
188	20K91A05L5	GANJI HARSHINI
189	20K91A05L6	GOUNI DEEKSHITH REDDY
190	20K91A05L7	SALKAPURAM CHAYA DEVI
191	20K91A05L8	KASIREDDY NIKHIL REDDY
192	20K91A05L9	THADAKAMALLA CHARAN KUMAR
193	20K91A05M0	MEKA SHREEYA
194	20K91A05M1	SAYA THARUN
195	20K91A05M2	GANDIKOTA PAVANI
196	20K91A05M3	TALUGULA VINAY KUMAR
197	20K91A05M4	PRUDHVI TEJA MIRYALA
198	20K91A05M5	BAGODI PAVITHRA
199	20K91A05M6	GANESAM NITHIN KUMAR REDDY
200	20K91A05M7	KARTHIK SACHIN YADAV VEERABOINA
201	20K91A05M8	K SPANDANA
202	20K91A05M9	MOHAMMED ASAD ODDIN
203	20K91A05N0	KODIGANTI VARUDHINI REDDY
204	20K91A05N1	MUDHAGOWNI GANESH GOUD
205	20K91A05N2	VEMU LIKITHA REDDY
206	20K91A05N3	EDUKULLA PURNA CHANDER
207	20K91A05N4	SAMALA TEJASRI
208	20K91A05N5	VANGALA PURUSHOTHAM REDDY
209	20K91A05N6	KUCHIPUDI SAIVARDHAN
210	20K91A05N7	SANAGANA TEJASWINI PUSHPAVATHI
211	20K91A05N8	KATTEKOLA ABHIRAM
212	20K91A05N9	BURUGUPALLY RAHUL REDDY
213	20K91A05P0	SAMRAJ SRICHAKRI
214	20K91A05P1	GANTE LOOSHITHA LAYA
215	20K91A05P2	VASIREDDY NAVEEN BABU
216	21K95A0502	AKKI ANIL
217	21K95A0503	B SAI TEJA
218	21K95A0504	B SANDILYA
219	21K95A0505	BODHU VARUN
220	21K95A0506	BANOTH PAVAN
221	21K95A0507	BODDUPALLY MAHENDER
222	21K95A0508	B VASUDEVA REDDY
223	21K95A0509	BUDDE SAITEJA
224	21K95A0510	CH SAI PRASANNA GOUD
225	21K95A0511	CHITRAM UDAY
226	21K95A0512	D PAVAN KUMAR

227	21K95A0514	G SHIVA REDDY
228	21K95A0515	G VINAY CHARI
229	21K95A0516	GUDDETI RAJESHWAR
230	21K95A0517	K PRANEETH
231	21K95A0518	KORRA HARSHITHA
232	21K95A0519	LAKAVATH MANISHA
233	21K95A0520	M RAVINDAR
234	21K95A0521	MALKAPURAM CHANDRA KIRAN
235	21K95A0522	MANTHATTI SHIVA SAI
236	21K95A0523	MIDDELA NARESH
237	21K95A0524	MOHAMMAD SHAKEEL AHAMAD KHAN
238	21K95A0526	N MAHESH
239	21K95A0527	N RAKESH
240	21K95A0528	N VENKAT TARUN
241	21K95A0529	NARRA CHANDANA
242	21K95A0530	P ANURAG
243	21K95A0531	P NIHANK
244	21K95A0532	PULIMADHI GOWTHAM
245	21K95A0533	RAM KARISHMA
246	21K95A0535	SAMUDRALA TEJA
247	21K95A0536	SANDYAPAGOLA SUCHITHA
248	21K95A0537	SAPAVAT SOWJANYA
249	21K95A0538	U BAL RAJ
250	21K95A0540	VANAMPALLY PRASANNA
251	21K95A0541	YELGONDAGUDEM AKHILA

Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.




PRINCIPAL
TKR College of Engineering & Technology
(AUTONOMOUS)
Meerpet, Hyderabad-500097.

**Value-Added Course Attend Student List**

IV YEAR		
S.NO	ROLL.NO	STUDENT NAME
1	15K91A05N1	GATHPA ABHISHEK KUMAR
2	18K91A0524	BADUGU NIKHIL
3	18K91A0542	CHANREDDY PRANAY KUMAR REDDY
4	19K91A0501	ADI VIHAS
5	19K91A0502	ADI ZENITH KUMAR
6	19K91A0503	ADLA RUTHESH REDDY
7	19K91A0504	AEMIREDDY TARAKA REDDY
8	19K91A0505	AFSHA
9	19K91A0506	AILA VIGNESH
10	19K91A0507	AITHA HARSHA VARDHAN
11	19K91A0508	ALETI RISHITHA REDDY
12	19K91A0509	AMARAVADI SESA VENKATA DIYA CHANDANA
13	19K91A0510	AMMANA BHARATH SENA REDDY
14	19K91A0511	ANGANI DEEPIKA VARMA
15	19K91A0512	ANKIREDDY PARDHASARADHI REDDY
16	19K91A0513	ANTHIREDDY KARTHIK REDDY
17	19K91A0514	ARAVIND RAPELLY
18	19K91A0515	B MANJULA
19	19K91A0516	S RITESH JAISWAL
20	19K91A0517	B S NANDINI
21	19K91A0518	B UDAY KUMAR
22	19K91A0519	BADAVATH RAMBABU
23	19K91A0520	BAIRABOINA SWETHA
24	19K91A0521	BALLEM JHASHNAVI
25	19K91A0522	BANDA SUSWITHA
26	19K91A0524	BANDI SREYANTH KUMAR
27	19K91A0525	BANOTH RAMESH NAYAK
28	19K91A0526	BASA VIVEK
29	19K91A0527	BASANI RAHUL REDDY
30	19K91A0528	BHANOTH NARENDER
31	19K91A0529	BINGI SANDEEP KUMAR
32	19K91A0530	BODDU RAMESH
33	19K91A0531	BODDUPALLI LIKITHA
34	19K91A0532	BOIN TARUN KUMAR
35	19K91A0533	BOJJA GOPI CHAND
36	19K91A0534	BOMMA SAIPRADEEP
37	19K91A0535	BOTALA MOUNIKA
38	19K91A0536	BOYA PRADEEP

39	19K91A0537	BUDDULA KALYANI
40	19K91A0538	BUDIDA VAMSHIDHAR REDDY
41	19K91A0539	CH SRI RAM
42	19K91A0540	CHALLA CHANDRA SENA REDDY
43	19K91A0541	CHATTU UDAY RAM
44	19K91A0542	CHEPPALA SHASHANK
45	19K91A0543	CHERLA MOUNIKA
46	19K91A0544	CHERUPALLY BHANU TEJA
47	19K91A0545	CHILAKAPATI KALPANA
48	19K91A0546	CHILKURI KARTHIK REDDY
49	19K91A0547	CHILUKALA VITHESH YADAV
50	19K91A0548	CHILUKANI NIKHIL REDDY
51	19K91A0549	CHILUMULA SRIJAN
52	19K91A0550	CHINALA SANJAY
53	19K91A0551	CHINTHALA DIVYA
54	19K91A0552	CHINTHALA SHIVA PRASAD
55	19K91A0553	CHITTI GIDDE YADAGIRI ANISH
56	19K91A0554	CHITTIMALLA KAVYA
57	19K91A0555	DAMERA RAJU
58	19K91A0556	DARSHANAM MAMATHA
59	19K91A0557	DASI AMARNATH
60	19K91A0558	DEVARASHETTY SAI UDAY
61	19K91A0559	DHIGAJARLA RAGHU RAM
62	19K91A0560	DODDIKINDI PAVANKUMAR
63	19K91A0561	DUREDDY SINDHU
64	19K91A0562	DUSA VINAY
65	19K91A0563	DYAVATHI MANOHAR
66	19K91A0564	E SAI KIRAN GOUD
67	19K91A0565	ETIKALA NIKHIL
68	19K91A0566	GADDAM ABHILASH
69	19K91A0567	GADDAM KARUNASRI
70	19K91A0568	GADE SAI REVANTH REDDY
71	19K91A0569	GAJAWADA ABHISHEK
72	19K91A0570	GANGASANI SAIKUMAR
73	19K91A0571	GANGISHETTY VASAVI
74	19K91A0572	GANGONI PRANAY KUMAR
75	19K91A0573	GANGULA MOUMITHA
76	19K91A0574	GANTA VIVEK REDDY
77	19K91A0575	GARAVANDALA PAVAN KALYAN
78	19K91A0576	GARRE SOUMYA
79	19K91A0577	GATLEWAR PREETHI
80	19K91A0578	GAVINOLLA SHIVANI
81	19K91A0579	GIRMILLA DHANASHRI
82	19K91A0580	GOPU SAGAR REDDY
83	19K91A0581	GOVADA POOJITHA RAO
84	19K91A0582	GUJJA HAMSITHA
85	19K91A0583	GUKONDA SUSMITHA

86	19K91A0584	GUNDLA AKHIL KUMAR REDDY
87	19K91A0585	GUNDLAPALLY AKHILA REDDY
88	19K91A0586	GUNDLAPALLY NIHARIKA
89	19K91A0587	JAKKULA HARISH
90	19K91A0588	JALAGAM LOKESH
91	19K91A0589	JAMPA SATYA VEERA SAI RAM HARSHITH
92	19K91A0590	JITTA VINITH REDDY
93	19K91A0591	JONNALA SAI NIKHIL
94	19K91A0592	K HARSHAVARDHAN
95	19K91A0593	K RAM KISHORE
96	19K91A0594	KALIGITHI GREESHMA
97	19K91A0595	KALLEPALLI NARENDHAR
98	19K91A0596	KAMMAPATI SOWKYA
99	19K91A0597	KANAKA VAMSHI KRISHNA
100	19K91A0598	KANJARLA PRABHAVATHI
101	19K91A0599	KANKETA THARUN
102	19K91A05A0	KASARAPU KISHOREKUMAR GOUD
103	19K91A05A2	KATHULAPURAM SRIHARSHA
104	19K91A05A3	KATKURI HARISH REDDY
105	19K91A05A4	KATRAVATH RAKESH
106	19K91A05A5	KODEM AVANTHI
107	19K91A05A6	KODURI AKANKSH GOUD
108	19K91A05A7	KOMMULA RACHANA REDDY
109	19K91A05A8	KONAPAKALA RAKESH
110	19K91A05A9	KONINTI MOHITHKUMAR GOUD
111	19K91A05B0	KOPPULA AKSHAYA
112	19K91A05B1	KOTHAPALLI UDAY KIRAN
113	19K91A05B2	KUKKA ROHINI
114	19K91A05B3	KUNTA POORNA CHANDER REDDY
115	19K91A05B5	KUTTANIKKAD PUTHANKALAM ABHINAV KRISHNA
116	19K91A05B6	GUNDEBOINA TEJASWI YADAV
117	19K91A05B7	LUNAVATH VINAY KUMAR
118	19K91A05B8	M AISHWARYA
119	19K91A05B9	MADHAGONI AJETHA
120	19K91A05C0	MADIREDDY VARSHA REDDY
121	19K91A05C1	MALLOJJALA SAHITH
122	19K91A05C2	MANDADI VAISHNAVI REDDY
123	19K91A05C3	MANGILPELLI SHWETA
124	19K91A05C4	MANNEPALLY KAVYA
125	19K91A05C5	MAREPALLY SAI CHAITHANYA
126	19K91A05C6	MARRIPALLY BHARATH
127	19K91A05C7	MEKALA AVINASH
128	19K91A05C8	METHUKU VIVEK
129	19K91A05C9	MOHAMMAD ABDUL SAMEER
130	19K91A05D0	MOHAMMAD SOHAIL ALI

131	19K91A05D1	MOSRA PRAGNA
132	19K91A05D2	MUDAVATH ARUNA
133	19K91A05D3	MUDI CALEB ANGEL JASMINE
134	19K91A05D4	MUDUMBA PRANAVA SWAROOP
135	19K91A05D5	MUTHYALA VINITHA REDDY
136	19K91A05D6	MUTPUR RAMANA REDDY
137	19K91A05D7	N SAI PREETHAM
138	19K91A05D8	NAGANNAGARI MEGHANA
139	19K91A05D9	NAIMATH MAHEEN
140	19K91A05E0	NALLU DEEKSHITHA
141	19K91A05E1	NAREDLA JASWANTH REDDY
142	19K91A05E2	NASA KARTHIK KUMAR
143	19K91A05E3	NAWABPET SREEJA
144	19K91A05E4	NIDARAM ASHOK
145	19K91A05E5	NIHARIKA NAIK DHANAVATH
146	19K91A05E6	NOMULA POOJITHA
147	19K91A05E7	NUNSAVATH SNEHA
148	19K91A05E8	PALAMONI SREEJA MANASWINI
149	19K91A05E9	PANUGATLA YASHESHWINI
150	19K91A05F0	PARVATHANENI MOHANA KUMARI
151	19K91A05F1	PASHYA ABHINAV REDDY
152	19K91A05F2	PERLA CHANDER RAJU
153	19K91A05F3	POKALA VARSHITH
154	19K91A05F4	PONAGANDLA AJITH REDDY
155	19K91A05F5	PONUGUPATI RAMKUMAR
156	19K91A05F6	PORANDLA SHIVARAMA KRISHNA
157	19K91A05F7	PORIKA ARYAN RAJ
158	19K91A05F8	PRODDUTURI BHARGAVI
159	19K91A05F9	PULGAM SRUJAN KUMAR
160	19K91A05G0	RAGAM NIKHIL
161	19K91A05G1	RAISHETTY NIKHIL SAI
162	19K91A05G2	RAJARAM PRANAYA
163	19K91A05G3	RANGARAJU VENKATA SAI VARSHA
164	19K91A05G5	RATHOD PAVAN KALYAN
165	19K91A05G6	RAVULA SANTHOSH
166	19K91A05G7	S NUMAN
167	19K91A05G8	SABILLA BHEEMA SAI SHANKAR REDDY
168	19K91A05G9	SADHU SIRISHA SUNDARI
169	19K91A05H0	SAGONTI MANASA
170	19K91A05H1	SAJJALA VINEESHA
171	19K91A05H2	SAMA SRINITHA
172	19K91A05H3	SAMUDRALA SATHWIK KUMAR
173	19K91A05H4	SAPAVATH SWAPNA
174	19K91A05H5	SARELLA SWETHA
175	19K91A05H6	SHAGA JAHNAVI
176	19K91A05H7	SHAIK YAKUB PASHA

177	19K91A05H8	SHIVA SAI KRISHNA GOUD BATHINI
178	19K91A05H9	SHIVARATRI CHANDRAKANTH
179	19K91A05J0	SOMAVARAPU SATHWIKA
180	19K91A05J1	SUDUGU MANASA
181	19K91A05J2	SYED ALI
182	19K91A05J3	T ROSHINI
183	19K91A05J4	TEEGALA AKSHITH REDDY
184	19K91A05J5	THADIKAMALLA MANASWI SONA
185	19K91A05J6	THALLA LOKESH
186	19K91A05J7	THANGELLA ANUSHA
187	19K91A05J9	TUMMALA ANIL REDDY
188	19K91A05K0	VADDAPALLY BHAVAGNYA
189	19K91A05K1	VADDEMAN SNEHITH REDDY
190	19K91A05K2	VAJJA LIKHITHA
191	19K91A05K3	VALLAPUREDDY SATHVIK REDDY
192	19K91A05K4	VANTEDDU BHASKAR REDDY
193	19K91A05K5	VASKULA MANOJ KUMAR
194	19K91A05K6	VASPULA SHIVA KUMAR
195	19K91A05K7	VISHWAJITH REDDY DONTTHIREDDY
196	19K91A05K8	VORSU NAVEEN KUMAR
197	19K91A05K9	VUDUHTURI PALLAVI
198	19K91A05L0	YALAMARTHI SAI CHANDU
199	19K91A05L1	YALANATI LAHARI
200	19K91A05L2	YAMPALLA DEEKSHITHA
201	19K91A05L3	YASH SHARMA
202	19K91A05L4	YATAN VISHAL REDDY
203	19K91A05L5	YELMALA SHIVA PRANAY
204	19K91A05L6	YEMJALA SHASHANK
205	19K91A05L7	R K ABHI RAM REDDY
206	19K91A05M1	CHIRABOINA NAVEEN
207	20K95A0501	ALLANI JITENDER
208	20K95A0502	APPINEDI SONY
209	20K95A0503	BASHABOINA ANIL
210	20K95A0504	BATHULA VENUGOPAL GOUD
211	20K95A0505	BILLAKANTI SHIVA CHARY
212	20K95A0506	BODLA SAI THARUN
213	20K95A0507	BOGA SRAVIKA
214	20K95A0508	BOLLOJU SAI VARUN
215	20K95A0509	CHENNOJU RAHUL
216	20K95A0510	CHEVVU DRONA SAI DARSHAN
217	20K95A0511	CHILLI KUMARDEEPAK
218	20K95A0512	CILIVERI SNEHA
219	20K95A0513	DABBIKAR NIKHIL KUMAR
220	20K95A0514	DUSSA SAIRAJ
221	20K95A0515	GANJI JAYALAKSHMI
222	20K95A0516	GOPIREDDY VAYUSUDHAREDDY
223	20K95A0517	GOWLIKAR DIVYA

224	20K95A0518	JAGATI SINDHU
225	20K95A0519	JAPA NANDA KISHOR
226	20K95A0520	K GUNAVARDHAN REDDY
227	20K95A0521	K SAVITHA
228	20K95A0522	KAMMAMPATI VAMSHI
229	20K95A0523	KATRAJU PRAVEEN
230	20K95A0524	KUMBHAM SRAVAN
231	20K95A0525	MARRI DIVYA REDDY
232	20K95A0526	MOHAMMED TALIB
233	20K95A0527	MARCHETTY KANKSHA
234	20K95A0528	NALLAPU CHAITANYA
235	20K95A0529	NANDIKONDA DEVSESHANK
236	20K95A0530	NARSING GOPI
237	20K95A0531	NAVAGANA DILIP KUMAR
238	20K95A0532	PATHLAVATH SRIKANTH
239	20K95A0533	PEESAPATI VENKATA KASINATH
240	20K95A0534	PINJARLA PRIYANKA
241	20K95A0535	POLAGONI SAI KUMAR
242	20K95A0536	PULIPATI MADHU
243	20K95A0537	S ALA RAJU
244	20K95A0538	S GOWTHAM REDDY
245	20K95A0539	SAMBA RAVI KUMAR
246	20K95A0540	SANGU SHIVA KUMAR
247	20K95A0541	SINGANA VENA SATHISH
248	20K95A0542	SOMA NAVEEN KUMAR
249	20K95A0543	THOPARAM ABHILASH
250	20K95A0544	THUPAKULA SAI VARSHA
251	20K95A0545	VALIGONDA NITHIN
252	20K95A0546	VANKODATH SRIKANTH
253	20K95A0547	VEERABOINA MAHESH
254	20K95A0548	VEMULA VIHAR KUMAR
255	20K95A0549	VISLAVATH VENKATESH
256	20K95A0550	WALTHATY D GAUTHAM RAJ
257	20K98A0501	SUNKISHALA SAI ANJAN RAO (RA)

Dr. A. SURESH RAO
HEAD OF THE DEPARTMENT
Dept. of Computer Science & Engineering
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad-500 097.

PRINCIPAL
TKR College of Engineering & Technology
(AUTONOMOUS)
Meerpet, Hyderabad-500097.



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

Approved by AICTE Educational Society, Registered by MHRD, Affiliated by JNTU
Accredited by UGC & APJKTU with 'A' Grade



DATE: 02-03-2023

To,
The Respected Principal,
TKR College of Engineering & Technology,

SUB: Permit to conduct value added course Data Structures with Python for B. Tech III year II Semester students regd.


I am writing this requesting letter for your permission to conduct a one-week training program on Data Structures with Python for B. Tech III year II Semester students.

The course will cover various aspects of Data Science, including data analytics & visualization and usage of Data structures with Python. We plan to include practical sessions to provide hands-on experience to the students.

We request your permission to conduct this training for our students, and we assure you that it will be conducted with utmost professionalism and efficiency. We firmly believe that these sessions will help our students to be better prepared for the industry and to excel in their careers.

Thank you, sir . We look forward to your positive response.

Yours Sincerely,
K.Kiranmayee
CSE (Data Science)
TKRCET


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

About TRCTE TRR College of Engineering & Technology, established in the year 2002, has been sponsored by TRR Educational Society, Medbowli, Meerpet, Hyderabad. Telangana. It is recognized by AICTE and approved by the State Govt Affiliated to Jawaharal Nehru Technological University, Hyderabad (JNTUH). UGC recognition under Sections 2(f) and 12(B) further strengthens over cause of quality education. The college proudly offers 6 UG and 3 PG programs. In Engineering, a Professional Course in MBA and 5 programs in Diploma Course. With 20 years of rich standing in the educational era, TRR College of Engineering & Technology has an excellent track record which is evidenced across holding accreditation by NBA in 2008 for 3 years and accreditation for 2 years in 2015, and subsequently extended for one more year. This Institution has the distinction of being one among the Top 10 Ranking Institutes of choice and preference for the aspiring students.

About CSE (DATA SCIENCE) Department: Providing the students with in-depth understand of fundamentals and practical training related to professional skills and their applications through effective Teaching- Learning process and state of the art laboratories pertaining to CSE (DATA SCIENCE) and inter disciplinary areas. Preparing students in developing research, design, entrepreneurial skills and employability capabilities. Providing consultancy services and promoting Industry-Department interactions. The department has well qualified and experienced Faculty.

About Training: The training will be conducted using a mix of prerecorded spoken tutorial videos with side by side learning methods and live lectures. Several practice problems will also be provided after every topic, followed by discussions to better understand each topic.

All students will get the Python software, Spoken Tutorials on Python, copies of our slides, video recording of all lectures, Python code for several hundred science and engineering textbooks, Python Lab Migration documents with code and Python Case Studies. Using these, all who are interested in conducting Data structures with Python training by themselves can do so.

Objectives of the Training

- To gain hands-on exposure on Python programming

Expected Outcome: Upon successful completion

On successful completion of the training, participants will be able to

- Learn basic Python programming;
- Learn to Create, run and manipulate Python Programs using core data structures like Lists, Stacks, Queues.
- Implement Object Oriented Programming concepts in Python.
- The participants are expected to get a fair amount of fundamental knowledge on Python programming.

Guidelines for Participants:

- Basic programming language knowledge is required
- Certificate will be issued to all the participants, after successful completion of the training.
- Participants need to mark their attendance in the attendance sheet that will be circulated during the Session.

Principal
 TRR College of Engineering & Technology
 (AUTONOMOUS)
 Medbowli, Meerpet, Hyderabad-97.

Approved By AICTE Affiliated to JNTUH, Accredited By NBA

Recognized under 2(f) and 12(B) of UGC Act 1956

Value added course on

Data Structures with Python
 20th March - 13th April 2023



Organized by

Department of CSE (DATA SCIENCE)
 TRR COLLEGE OF ENGINEERING & TECHNOLOGY
 Autonomous

Approved By AICTE, Affiliated to JNTUH,
 Medbowli, Meerpet
 Hyderabad-500097
 Telangana State,
 India

CONVENERS:

Dr. V. Krishna
Head, Department of CSE(DS)

ORGANIZING COMMITTEE

CHIEF PATRON
Sri T. Krishna Reddy
Founder chairman,
TKRCET

FACULTY CO-ORDINATORS

Mrs. K. Kiranmayee
Mrs. B. Tejaswini

PATRON

Dr. T. Harinath Reddy
secretary, TKRCET
Sri. T. Amaranath Reddy
Treasurer, TKRCET

Lab in-charges
Mr. Mahesh

CHAIR PERSON

Dr. D. V. Ravi Shankar
Principal, TKRCET

STUDENT CO-ORDINATORS:

Ms. Manvitha
Mr. Saketh

ADVISORY COMMITTEE

Dr. A. Suresh Rao
Head, Department of CSE

TECHNICAL COMMITTEE

Mr. Kiran Kumar

MEMBERS:

Teaching and Non-Teaching Staff of CSE (DATA SCIENCE)
Department

RESOURCE PERSON

Mr. Surendra Varma Pericherla
Mrs. Shilpa Bansal
Mr. Siddhartha/Srikar

Training Schedule:

Day-1: 20 March, 2023

Inaugural: 10:00am to 10:30 AM
10:40 AM to 11:00 AM Tea Break
11:00 AM to 1:00PM

Installation of Python, Introduction to Python, Fundamentals of Python.

1:00PM to 2:00 PM Lunch

2:00PM to 4:00PM Loops, Fibonacci series, control Structures, Break

Continue, Palindrome, Perfect Numbers, and Python Operators.

Day-2: 21 March 2023

10am - 11:30

Lists, Arrays, Pythagorean triplet in arrays

11:30-11:40 am Tea Break

1:00-2:00 pm Lunch

2:00-4:00 pm Strings, Concatenation, Slicing, Reversing a String

Day-3: 03 April 2023

10am -11:30 Exception Handling

11:30-11:40 am Tea Break

1:00-2:00 pm Lunch

2:00-4:00 pm OOPS in Python, Linked List

Day-4: 04 April 2023

10am -11:30 Data Structures-Stacks, Queues

11:30-11:40 am Tea Break

1:00-2:00 pm Lunch

2:00-4:00 pm Traversals, Numpy, Mathematical Operators on arrays

Day-5: 11 April 2023

Problem solving Basics On AI/ML

11:30-11:40 am Tea Break

1:00-2:00 pm Lunch

2:00-4:00 pm Problem solving Techniques

Day-6: 13 April 2023

Sample project Using Python Programming

11:30-11:40 am Tea Break

1:00-2:00 pm Lunch

2:00-4:00 pm Lab

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97

Valedictory: 3:30 - 4:00pm

Event: Workshop/Seminar/Guest Lecture/
Topic: Python programming
Organized by:

Date: 20/03/2023
Resource Person: Suvendra Varma
Pericherla

Attendance

Sno.	Hall Ticket No.	Student Name	Sign(FN)	Sign(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	Karthik	Karthik
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	Char	Char
3	20K91A6703	AYUSH KAUSHAL	Ayush	Ayush
4	20K91A6704	BINGI SAKETH	Bingi	Bingi
5	20K91A6705	BOMMISHETTI LIKITH	Likith	Likith
6	20K91A6706	GADDAM NEETHA REDDY	Neetha	Neetha
7	20K91A6707	GARIMELLA MANVITHA	G. Manvitha	G. Manvitha
8	20K91A6708	GUDIPALLY NIKHIL REDDY	Nikhil	Nikhil
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	I. Pravallika	I. Pravallika
10	20K91A6710	JAKKULA NAVEEN	Naveen	Naveen
11	20K91A6711	JALA SRINIDHI	Srinidhi	Srinidhi
12	20K91A6712	JALIGAMA SHIVA KUMAR	Shiva	Shiva
13	20K91A6713	JALLA PHANEENDRA	Phaneendra	Phaneendra
14	20K91A6714	JANGAM SWATHI LAXMI	Swathi	Swathi
15	20K91A6715	K DURGA NIKHIL	Nikhil	Nikhil
16	20K91A6716	KALURI PRAVEEN	Praveen	Praveen
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	K. Madhu	K. Madhu
18	20K91A6718	KASIREDDY SOURABHYA REDDY	Sourabhya	Sourabhya
19	20K91A6719	KASULABAD DAVID AARON	David	David
20	20K91A6720	KORRA KISHAN NAIK	Kishan	Kishan
21	20K91A6721	LAKAVATH PREMCHAND	Premchand	Premchand
22	20K91A6722	MAHITHA TEDLA	Tedla	Tedla
23	20K91A6723	MANALA BHARADWAJA		
24	20K91A6724	MANDADI ASHRITHA	M. Ashritha	M. Ashritha
25	20K91A6725	MITTA PAVANI	M. Pavani	M. Pavani
26	20K91A6726	MOGULOJU SAI	Sai	Sai
27	20K91A6727	MOHAMMED RAFAY MUBASHIR		
28	20K91A6728	NARLAWAR SRUJAN	Srujan	Srujan
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	P. Swamy	P. Swamy
31	20K91A6731	PANDIRI S LAXMI PRIYA	P. Laxmi Priya	P. Laxmi Priya
32	20K91A6732	PARIKAPALLI INDRAJA	P. Indrajit	P. Indrajit

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

Event: Workshop/Seminar/Guest Lecture/
Topic: Python Programming.
Organized by:

Date: 20/03/23
Resource Person: Surendra Varma
Pericherla

Attendance

Sno.	Hall Ticket No.	Student Name	Sign(FN)	Sign(AN)
33	20K91A6733	POLAMPALLI PAVAN KUMAR	Pavan.P.	Pavan.P.
34	20K91A6734	PUCHALA ARVIND REDDY	P. Arvind	P. Arvind
35	20K91A6735	RAMAVATHI SANTHOSH	Rishika	Rishika
36	20K91A6736	ROKKAM RISHIKA REDDY	Rishika	Rishika
37	20K91A6737	SAI KUMAR GANTA	S. Sai Sreyas	S. Sai Sreyas
38	20K91A6738	SUNKE SAI SREYA	Sunke Sai Sreya	Sunke Sai Sreya
39	20K91A6739	TASLEEM FATHIMA	Tasleem	Tasleem
40	20K91A6740	THUMMALA RAJESH REDDY	T. Rajesh	T. Rajesh
41	20K91A6741	VARALA VISHNUVARDHAN REDDY		
42	20K91A6742	YASAM VENKATA VARA LAKSHMI		
43	20K91A6744	PANTHANGI SAI RISHIWANTHI GOUD		
44	20K91A6745	YEDIRE ANURAG NANDAN	M. Venugopal	M. Venugopal
45	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY		
46	20K91A6747	APPEKAT RAJ ADITYAN		
47	20K91A6748	R RITHIK	Rithik	Rithik
48	20K91A6749	DOOSARI SUMALINI GOUD	Sumalini	Sumalini
49	20K91A6750	VATTI ROOPA		
50	20K91A6751	JADHAV ABHISHEK	Abhishek	Abhishek
51	20K91A6752	NALLA NIRANJAN REDDY	N. Niranjan	N. Niranjan
52	21K95A6701	ARAVA MANOJ	A. Manoj	A. Manoj
53	21K95A6702	ALLIPURAM LAVANYA		
54	21K95A6703	KATRAGADDA ABHITHA	Abhitha	Abhitha
55	21K95A6704	K SAI RAM	K. Sai Ram	K. Sai Ram
56	21K95A6705	KOLCHELMA SAIKIRAN	K. Sai Kiran	K. Sai Kiran
57	21K95A6706	KRISHNAMARA JU AKHIL SAI	M. Saichand	M. Saichand
58	21K95A6707	MADDI SAICHANDAN		
59	21K95A6708	NAGARALA KARTHIK REDDY	T. Raju	T. Raju
60	21K95A6709	THADA RAJU	Y. Raju	Y. Raju
61	21K95A6710	YENUGULA SANTHOSH		

Topics Covered:

Loops, fibonacci series, Palindrome, Perfect Numbers.
Control Structures, break, continue, Python operators.
Discussion.

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TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

Date: 21/3/23

Resource Person: Susendra
Varma Perichevla

Event: Workshop/Seminar/Guest Lecture/
Topic: Python Programming
Organized by:

Attendance

Sno.	Hall Ticket No.	Student Name	Sign(FN)	Sign(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	[Signature]	[Signature]
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	[Signature]	[Signature]
3	20K91A6703	AYUSH KAUSHAL	[Signature]	[Signature]
4	20K91A6704	BINGI SAKETH	[Signature]	[Signature]
5	20K91A6705	BOMMISHETTI LIKITH	[Signature]	[Signature]
6	20K91A6706	GADDAM NEETHA REDDY	[Signature]	[Signature]
7	20K91A6707	GARIMELLA MANVITHA	[Signature]	[Signature]
8	20K91A6708	GUDIPALLY NIKHIL REDDY	[Signature]	[Signature]
9	20K91A6709	IRAGAVARAPU GEETA PRAVALIKA	[Signature]	[Signature]
10	20K91A6710	JAKKULA NAVEEN	[Signature]	[Signature]
11	20K91A6711	JALA SRINIDHI	[Signature]	[Signature]
12	20K91A6712	JALIGAMA SHIVA KUMAR	[Signature]	[Signature]
13	20K91A6713	JALLA PHANEENDRA	[Signature]	[Signature]
14	20K91A6714	JANGAM SWATHI LAXMI	[Signature]	[Signature]
15	20K91A6715	K DURGA NIKHIL	[Signature]	[Signature]
16	20K91A6716	KALURI PRAVEEN	[Signature]	[Signature]
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	[Signature]	[Signature]
18	20K91A6718	KASIREDDY SOURABHIYA REDDY	[Signature]	[Signature]
19	20K91A6719	KASULABAD DAVID AARON	[Signature]	[Signature]
20	20K91A6720	KORRA KISHAN NAIK	[Signature]	[Signature]
21	20K91A6721	LAKAVATH PREMCHAND	[Signature]	[Signature]
22	20K91A6722	MAHITHA TEDLA	[Signature]	[Signature]
23	20K91A6723	MANALA BHARADWAJA	[Signature]	[Signature]
24	20K91A6724	MANDADI ASHRITHA	[Signature]	[Signature]
25	20K91A6725	MITTA PAVANI	[Signature]	[Signature]
26	20K91A6726	MOGULOJU SAI	[Signature]	[Signature]
27	20K91A6727	MOHAMMED RAFAY MUBASHIR	[Signature]	[Signature]
28	20K91A6728	NARLAWAR SRUJAN	[Signature]	[Signature]
29	20K91A6729	NUKALA SAIKIRAN	[Signature]	[Signature]
30	20K91A6730	PALAKURI SWAMY	[Signature]	[Signature]
31	20K91A6731	PANDIRI S LAXMI PRIYA	[Signature]	[Signature]
32	20K91A6732	PARIKAPALLI INDRAJA	[Signature]	[Signature]

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

Event: Workshop/Seminar/Guest Lecture/
Topic:
Organized by:

Date:
Resource Person:

Attendance

Sno.	Hall Ticket No.	Student Name	Sign(FN)	Sign(AN)
33	20K91A6733	POLAMPALLI PAVAN KUMAR	P. Pavan P. Pavan	Pavan
34	20K91A6734	PUCHALA ARVIND REDDY	Arvind	Arvind
35	20K91A6735	RAMAVATH SANTHOSH	Rishika	Rishika
36	20K91A6736	ROKKAM RISHIKA REDDY	Rishika	Rishika
37	20K91A6737	SAI KUMAR GANTA	S. Sai Sreya	S. Sai Sreya
38	20K91A6738	SUNKE SAI SREYA	S. Sai Sreya	S. Sai Sreya
39	20K91A6739	TASLEEM FATHIMA	Tasleem	Tasleem
40	20K91A6740	THUMMALA RAJESH REDDY	Rajesh	Rajesh
41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vishnu	Vishnu
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Varalakshmi	Varalakshmi
X43	20K91A6744	PANTHANGI SAI RISHWANTH GOUD		
44	20K91A6745	YEDIRE ANURAG NANDAN	Anurag	Anurag
45	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	M. Venugopal	
X46	20K91A6747	APPEKAT RAJ ADITYAN		
X47	20K91A6748	R RITHIK		
48	20K91A6749	DOOSARI SUMALINI GOUD	Sumalini	Sumalini
49	20K91A6750	VATTI ROOPA	V. Roopa Reddy	V. Roopa Reddy
50	20K91A6751	JADHAV ABHISHEK		
51	20K91A6752	NALLA NIRANJAN REDDY	N. Niranjan Reddy	N. Niranjan Reddy
52	21K95A6701	ARAVA MANOJ	Arav	Arav
53	21K95A6702	ALLIPURAM LAVANYA	Lavanya	Lavanya
54	21K95A6703	KATRAGADDA ABHITHA	Abhitha	Abhitha
55	21K95A6704	K SAI RAM	K. Sai Ram	K. Sai Ram
56	21K95A6705	KOLCHELMA SAIKIRAN	K. Saikiran	K. Saikiran
57	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Akhil Sai	K. Akhil Sai
58	21K95A6707	MADDI SAICHANDAN	M. Saichandan	M. Saichandan
59	21K95A6708	NAGARALA KARTHIK REDDY	Karthik	Karthik
60	21K95A6709	THADA RAJU	T. Raju	T. Raju
61	21K95A6710	YENUGULA SANTHOSH	V. Santhosh	V. Santhosh

Topics Covered:

Lists, Arrays, Pythagorean triplet in arrays,
Strings - concatenation, slicing, reversing a string,
Palindrome

Page 2 of 2

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TKR COLLEGE OF ENGINEERING & TECHNOLOGY
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EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/
TOPIC: Python Programming
ORGANIZED BY:

DATE: 03/04/2023
RESOURCE PERSON: Mr. Surenendra
Varma Pericherla


Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	<i>[Signature]</i>	<i>[Signature]</i>
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	<i>[Signature]</i>	<i>[Signature]</i>
3	20K91A6703	AYUSH KAUSHAL	<i>[Signature]</i>	<i>[Signature]</i>
4	20K91A6704	BINGI SAKETH	<i>[Signature]</i>	<i>[Signature]</i>
5	20K91A6705	BOMMISHETTI LIKITH	<i>[Signature]</i>	<i>[Signature]</i>
6	20K91A6706	GADDAM NEETHA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
7	20K91A6707	GARIMELLA MANVITHA	<i>[Signature]</i>	<i>[Signature]</i>
8	20K91A6708	GUDIPALLY NIKHIL REDDY	<i>[Signature]</i>	<i>[Signature]</i>
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	<i>[Signature]</i>	<i>[Signature]</i>
10	20K91A6710	JAKKULA NAVEEN	<i>[Signature]</i>	<i>[Signature]</i>
11	20K91A6711	JALA SRINIDHI	<i>[Signature]</i>	<i>[Signature]</i>
12	20K91A6712	JALIGAMA SHIVA KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
13	20K91A6713	JALLA PHANEENDRA	<i>[Signature]</i>	<i>[Signature]</i>
14	20K91A6714	JANGAM SWATHI LAXMI	<i>[Signature]</i>	<i>[Signature]</i>
15	20K91A6715	K DURGA NIKHIL	<i>[Signature]</i>	<i>[Signature]</i>
16	20K91A6716	KALURI PRAVEEN	<i>[Signature]</i>	<i>[Signature]</i>
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
18	20K91A6718	KASIREDDY SOURABHYA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
19	20K91A6719	KASULABAD DAVID AARON	<i>[Signature]</i>	<i>[Signature]</i>
20	20K91A6720	KORRA KISHAN NAIK	<i>[Signature]</i>	<i>[Signature]</i>
21	20K91A6721	LAKAVATH PREMCHAND	<i>[Signature]</i>	<i>[Signature]</i>
22	20K91A6722	MAHITHA TEDLA		
23	20K91A6723	MANALA BHARADWAJA		
24	20K91A6724	MANDADI ASHRITHA	<i>[Signature]</i>	
25	20K91A6725	MITTA PAVANI	<i>[Signature]</i>	<i>[Signature]</i>
26	20K91A6726	MOGULOJU SAI	<i>[Signature]</i>	<i>[Signature]</i>
27	20K91A6727	MOHAMMED RAFAY MUBASHIR	<i>[Signature]</i>	
28	20K91A6728	NARLAWAR SRUJAN	<i>[Signature]</i>	
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	<i>[Signature]</i>	<i>[Signature]</i>
31	20K91A6731	PANDIRI S LAXMI PRIYA	<i>[Signature]</i>	<i>[Signature]</i>
32	20K91A6732	PARIKAPALLI INDRAJA	<i>[Signature]</i>	<i>[Signature]</i>
33	20K91A6733	POLAMPALLI PAVAN KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
34	20K91A6734	PUCHALA ARVIND REDDY	<i>[Signature]</i>	<i>[Signature]</i>
35	20K91A6735	RAMAVATH SANTHOSH		
36	20K91A6736	ROKKAM RISHIKA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
37	20K91A6737	SAI KUMAR GANTA	<i>[Signature]</i>	<i>[Signature]</i>

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38	20K91A6738	SUNKE SAI SREYA	S. Sai Sreya	S. Sai Sreya
39	20K91A6739	TASLEEM FATHIMA	Tasleem	Tasleem
40	20K91A6740	THUMMALA RAJESH REDDY	Rajesh Reddy	Rajesh Reddy
41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vishnu	Vishnu
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Yasam Venkata Vara Lakshmi	Yasam Venkata Vara Lakshmi
43	20K91A6745	YEDIRE ANURAG NANDAN	Y. Anurag Nandan	Y. Anurag Nandan
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	M. Venugopal	M. Venugopal
45	20K91A6749	DOOSARI SUMALINI GOUD	Sumalini	Sumalini
46	20K91A6750	VATTI ROOPA	V. Roopa	Roopa
47	20K91A6751	JADHAV ABHISHEK	Abhishek	
48	20K91A6752	NALLA NIRANJAN REDDY	N. Niranjan Reddy	N. Niranjan Reddy
49	21K95A6701	ARAVA MANOJ	A. Manoj	A. Manoj
50	21K95A6702	ALLIPURAM LAVANYA	Lavanya	Lavanya
51	21K95A6703	KATRAGADDA ABHIITHA	Abhiitha	Abhiitha
52	21K95A6704	K SAI RAM		
53	21K95A6705	KOLCHELMA SAIKIRAN		K. Saikiran
54	21K95A6706	KRISHNAMARA JU AKHIL SAI		K. Akhil Sai
55	21K95A6707	MADDI SAICHANDAN	M. Saichandan	M. Saichandan
56	21K95A6708	NAGARALA KARTHIK REDDY	Karthik	Karthik
57	21K95A6709	THADA RAJU		
58	21K95A6710	YENUGULA SANTHOSH	Y. Santhosh	Y. Santhosh

TOPICS COVERED :- Exception Handling in Python, File Handling
oops in Python, Linked List


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TKR COLLEGE OF ENGINEERING & TECHNOLOGY

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EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/

TOPIC: Python Programming / Data structures

ORGANIZED BY:

DATE: 01/01/2

RESOURCE PERSON: Suresh Reddy

Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU		
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	A. Shivacharan	A. Shivacharan
3	20K91A6703 ✓	AYUSH KAUSHAL		
4	20K91A6704	BINGI SAKETHI		
5	20K91A6705	BOMMISHETTI LKITHI		
6	20K91A6706	GADDAM NEETHA REDDY		
7	20K91A6707 ✓	GARIMELLA MANVITHA		
8	20K91A6708	GUDIPALLY NIKHIL REDDY		
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA		
10	20K91A6710	JAKKULA NAVEEN		
11	20K91A6711	JALA SRINIDHI		
12	20K91A6712	JALIGAMA SIVA KUMAR		
13	20K91A6713	JALLA PHANEENDRA		
14	20K91A6714	JANGAM SWATHI LAXMI		
15	20K91A6715 ✓	K DURGA NIKHIL		
16	20K91A6716	KALURI PRAVEEN		
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR		
18	20K91A6718	KASIREDDY SOURABHIYA REDDY		
19	20K91A6719	KASULABAD DAVID AARON		
20	20K91A6720	KORRA KISHAN NAIK		
21	20K91A6721	LAKAVATH PREMCHAND		
22	20K91A6722	MAHITHA TEDLA		
23	20K91A6723	MANALA BHARADWAJA	M. Bharadwaja	
24	20K91A6724	MANDADI ASHRITHA	M. Ashritha	M. Ashritha
25	20K91A6725	MITTA PAVANI	M. Pavani	M. Pavani
26	20K91A6726	MOGULOJU SAI		
27	20K91A6727 ✓	MOHAMMED RAFAY MUBASHIR		
28	20K91A6728	NARLAWAR SRUJAN		
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	P. Swamy	P. Swamy
31	20K91A6731	PANDIRI S LAXMI PRIYA	P. Laxmi Priya	P. Laxmi Priya
32	20K91A6732	PARIKAPALLI INDRAJA		
33	20K91A6733 ✓	POLAMPALLI PAVAN KUMAR		
34	20K91A6734	PUCHALA ARVIND REDDY		
35	20K91A6735 ✓	RAMAVATH SANTHOSH		
36	20K91A6736	ROKKAM RISHIKA REDDY		
37	20K91A6737	SAI KUMAR GANTA		
38	20K91A6738	SUNKE SAI SREYA		
39	20K91A6739	TASLEEM FATHIMA		

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40	20K91A6740	THUMMALA RAJESH REDDY	Rajesh	Rajesh
41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vishnu	Vishnu
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Varalakshmi	Varalakshmi
43	20K91A6745	YEDIRE ANURAG NANDAN	Anurag	Anurag
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	M.venugopal	M.venugopal
45	20K91A6749	DOOSARI SUMALINI GOUD (supply exam)		
46	20K91A6750	VATTI ROOPA	V Roopa	V Roopa
47	20K91A6751	JADHAV ABHISHEK		
48	20K91A6752	NALLA NIRANJAN REDDY		
49	21K95A6701	ARAVA MANOJ	Manoj	Manoj
50	21K95A6702	ALLIPURAM LAVANYA	Lavanya	Lavanya
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56	21K95A6708	NAGARALA KARTHIK REDDY	Karthik	Karthik
57	21K95A6709	THADA RAJU	T. Raju	T. Raju
58	21K95A6710	YENUGULA SANTHOSH	Y. Santhosh	Y. Santhosh

Topics covered:

Stacks & Queue
 Trees, Binary Tree, Traversals, Implementations,
 Numpy, Mathematical operations on arrays.

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TKR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

DATE: 11/4/23

EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/
 TOPIC: Problem Solving Basics AI/ML
 ORGANIZED BY:

RESOURCE PERSON: Shilpa Bansal

Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	<i>Karthik</i>	<i>Karthik</i>
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY		
3	20K91A6703	AYUSH KAUSHAL	<i>Ayush</i>	<i>Ayush</i>
4	20K91A6704	BINGI SAKETH	<i>Bingi</i>	<i>Bingi</i>
5	20K91A6705	BOMMISHETTI LIKITH	<i>Likitha</i>	<i>Likitha</i>
6	20K91A6706	GADDAM NEETHA REDDY		
7	20K91A6707	GARIMELLA MANVITHA		
8	20K91A6708	GUDIPALLY NIKHIL REDDY		
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	<i>Geeta</i>	<i>Geeta</i>
10	20K91A6710	JAKKULA NAVEEN	<i>Naveen</i>	<i>Naveen</i>
11	20K91A6711	JALA SRINIDHI	<i>Srinidhi</i>	<i>Srinidhi</i>
12	20K91A6712	JALIGAMA SHIVA KUMAR	<i>Shiva</i>	<i>Shiva</i>
13	20K91A6713	JALLA PHANEENDRA	<i>Phaneendra</i>	<i>Phaneendra</i>
14	20K91A6714	JANGAM SWATI LAXMI	<i>Swathi</i>	<i>Swathi</i>
15	20K91A6715	K DURGA NIKHIL	<i>K Durga Nikhil</i>	<i>K Durga Nikhil</i>
16	20K91A6716	KALURI PRAVEEN	<i>Kaluri Praveen</i>	<i>Kaluri Praveen</i>
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	<i>K. Madhava</i>	<i>K. Madhava</i>
18	20K91A6718	KASIREDDY SOURABHYA REDDY	<i>Sourabhya</i>	<i>Sourabhya</i>
19	20K91A6719	KASULABAD DAVID AARON		
20	20K91A6720	KORRA KISHAN NAIK	<i>Korra Kishan</i>	<i>Korra Kishan</i>
21	20K91A6721	LAKAVATHI PREMCHAND	<i>Lakavathi</i>	<i>Lakavathi</i>
22	20K91A6722	MAHITHA TEDLA	<i>Mahitha</i>	<i>Mahitha</i>
23	20K91A6723	MANALA BIHARADWAJA	<i>Manala</i>	<i>Manala</i>
24	20K91A6724	MANDADI ASHRITHA	<i>M. Ashritha</i>	<i>M. Ashritha</i>
25	20K91A6725	MITTA PAVANI	<i>M. Pavani</i>	<i>M. Pavani</i>
26	20K91A6726	MOGULOJU SAI	<i>Sai</i>	<i>Sai</i>
27	20K91A6727	MOHAMMED RAFAY MUBASHIR		
28	20K91A6728	NARLAWAR SRUJAN		
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	<i>P. Swamy</i>	<i>P. Swamy</i>
31	20K91A6731	PANDIRI S LAXMI PRIYA	<i>P. Laxmipriya</i>	<i>P. Laxmipriya</i>
32	20K91A6732	PARIKAPALLI INDRAJA	<i>P. Indrajaya</i>	<i>P. Indrajaya</i>
33	20K91A6733	POLAMPALLI PAVAN KUMAR	<i>Pavan</i>	<i>Pavan</i>
34	20K91A6734	PUCHALA ARVIND REDDY	<i>Arvind</i>	<i>Arvind</i>
35	20K91A6735	RAMAVATHI SANTHOSH		
36	20K91A6736	ROKKAM RISHIKA REDDY	<i>Rishika</i>	<i>Rishika</i>
37	20K91A6737	SAI KUMAR GANTA	<i>Ganta</i>	<i>Ganta</i>
38	20K91A6738	SUNKE SAI SREYA		
39	20K91A6739	TASLEEM PATHIMA	<i>Pathima</i>	<i>Pathima</i>

Principal

TKR College of Engineering & Technology
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40	20K91A6740	THUMMALA RAJESH REDDY	Rajesh	Rajesh
41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vishnu	Vishnu
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	VaVa	VaVa
43	20K91A6745	YEDIRE ANURAG NANDAN	Y. Anurag	Y. Anurag
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	M. Venugopal	M. Venugopal
45	20K91A6749	DOOSARI SUMALINI GOUD		
46	20K91A6750	VATTI ROOPA	Supriya Roopa	Roopa
47	20K91A6751	JADHAV ABHISHEK		
48	20K91A6752	NALLA NIRANJAN REDDY	N. Niranjan Reddy	N. Niranjan Reddy
49	21K95A6701	ARAVA MANOJ	Arava	Arava
50	21K95A6702	ALLIPURAM LAVANYA	Allipura	Allipura
51	21K95A6703	KATRAGADDA ABHITHA	Katragadda	Katragadda
52	21K95A6704	K SAI RAM		
53	21K95A6705	KOLCHELMA SAIKIRAN	K. Saikiran	K. Saikiran
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Akhil Sai	K. Akhil Sai
55	21K95A6707	MADDI SAICHANDAN	M. Saichandan	M. Saichandan
56	21K95A6708	NAGARALA KARTHIK REDDY	N. Karthik Reddy	N. Karthik Reddy
57	21K95A6709	THADA RAJU	T. Raju	T. Raju
58	21K95A6710	YENUGULA SANTHOSH	Y. Santhosh	Y. Santhosh

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.

TKR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

DATE: 13/4/23

EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/Project

TOPIC: Python

ORGANIZED BY:

RESOURCE PERSON:
SIDDHARTHA/SAIKAR


Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	<i>[Signature]</i>	<i>[Signature]</i>
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	<i>[Signature]</i>	
3	20K91A6703	AYUSH KAUSHAL	<i>[Signature]</i>	
4	20K91A6704	BINGI SAKETH	<i>[Signature]</i>	<i>[Signature]</i>
5	20K91A6705	BOMMISHETTI LIKITH	<i>[Signature]</i>	<i>[Signature]</i>
6	20K91A6706	GADDAM NEETHA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
7	20K91A6707	GARIMELLA MANVITHA	<i>[Signature]</i>	<i>[Signature]</i>
8	20K91A6708	GUDIPALLY NIKHIL REDDY	<i>[Signature]</i>	
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	<i>[Signature]</i>	
10	20K91A6710	JAKKULA NAVEEN	<i>[Signature]</i>	
11	20K91A6711	JALA SRINIDHI	<i>[Signature]</i>	<i>[Signature]</i>
12	20K91A6712	JALIGAMA SHIVA KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
13	20K91A6713	JALLA PHANEENDRA	<i>[Signature]</i>	<i>[Signature]</i>
14	20K91A6714	JANGAM SWATHI LAXMI	<i>[Signature]</i>	<i>[Signature]</i>
15	20K91A6715	K DURGA NIKHIL	<i>[Signature]</i>	<i>[Signature]</i>
16	20K91A6716	KALURI PRAVEEN	<i>[Signature]</i>	<i>[Signature]</i>
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
18	20K91A6718	KASIREDDY SOURABHYA REDDY		
19	20K91A6719	KASULABAD DAVID AARON	<i>[Signature]</i>	
20	20K91A6720	KORRA KISHAN NAIK	<i>[Signature]</i>	<i>[Signature]</i>
21	20K91A6721	LAKAVATH PREMCHAND	<i>[Signature]</i>	<i>[Signature]</i>
22	20K91A6722	MAHITHA TEDLA	<i>[Signature]</i>	
23	20K91A6723	MANALA BHARADWAJA	<i>[Signature]</i>	<i>[Signature]</i>
24	20K91A6724	MANDADI ASHRITHA	<i>[Signature]</i>	<i>[Signature]</i>
25	20K91A6725	MITTA PAVANI	<i>[Signature]</i>	<i>[Signature]</i>
26	20K91A6726	MOGULOJU SAI	<i>[Signature]</i>	
27	20K91A6727	MOHAMMED RAFAY MUBASHIR	<i>[Signature]</i>	<i>[Signature]</i>
28	20K91A6728	NARLAWAR SRUJAN	<i>[Signature]</i>	<i>[Signature]</i>
29	20K91A6729	NUKALA SAIKIRAN	<i>[Signature]</i>	<i>[Signature]</i>
30	20K91A6730	PALAKURI SWAMY	<i>[Signature]</i>	<i>[Signature]</i>
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35	20K91A6735	RAMAVATH SANTHOSH	<i>[Signature]</i>	<i>[Signature]</i>
36	20K91A6736	ROKKAM RISHIKA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
37	20K91A6737	SAI KUMAR GANTA	<i>[Signature]</i>	<i>[Signature]</i>
38	20K91A6738	SUNKE SAI SREYA	<i>[Signature]</i>	<i>[Signature]</i>
39	20K91A6739	TASLEEM FATHIMA	<i>[Signature]</i>	<i>[Signature]</i>

Principal

TKR College of Engineering & Technology
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40	20K91A6740	THUMMALA RAJESH REDDY		
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42	20K91A6742	YASAM VENKATA VARA LAKSHMI	V. Varad	V. Varad
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45	20K91A6749	DOOSARI SUMALINI GOUD	S. Sumalini	S. Sumalini
46	20K91A6750	VATTI ROOPA	V. Roopa	V. Roopa
47	20K91A6751	JADHAV ABHISHEK		
48	20K91A6752	NALLA NIRANJAN REDDY		
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50	21K95A6702	ALLIPURAM LAVANYA	L. Lavanya	L. Lavanya
51	21K95A6703	KATRAGADDA ABHITHA		
52	21K95A6704	K SAI RAM	K. Sai Ram	K. Sai Ram
53	21K95A6705	KOLCHELMA SAIKIRAN	K. Saikiran	K. Saikiran
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Akhil Sai	K. Akhil Sai
55	21K95A6707	MADDI SAICHANDAN	M. Saichandan	M. Saichandan
56	21K95A6708	NAGARALA KARTHIK REDDY	N. Karthik	N. Karthik
57	21K95A6709	THADA RAJU	T. Raju	T. Raju
58	21K95A6710	YENUGULA SANTHOSH	Y. Santhosh	Y. Santhosh


Principal
 TKR College of Engineering & Technology
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 Medbowli, Meerpet, Hyderabad-97.

Mr. Arpit Deepak Yadav

Director, AIML Association

World Renowned Speaker/Mentor/Trainer in AIML

Senior Data Scientist/Consultant in AIML

Researcher | PhD in AIML | M. Tech (VLSI Design) | B.E (E & TC) | PGP in AIML

12 Years of rich experience in the field of AIML



Passionate in taking Webinars/Workshops/FDP/STTP/Skills Enhancement Program/Corporate Trainings. Helping clients with how to make business with the help of Artificial Intelligence & Machine Learning.

Talks across the World on the following Topics

1. Master the Art of Data Analytics
2. Top key point of Building Machine learning for Business problems
3. Build the Intelligence World: Artificial Intelligence
4. How to improve Business using AI
5. Why AI matters to your Business
6. Key steps to deliver Machine learning projects
7. Data and Analytics Architecture: Your Digital Acceleration Ecosystem
8. Strategic roadmap to learn AI
9. Smarter, Faster and Responsible AI
10. Explainable AI
11. Data Analysis/ Data Science: A Boon to Industries
12. Machine Learning: A Boon to Industries
13. Deep Learning: A Boon to Industries
14. Computer Vision: A Boon to Industries
15. GAN and its Applications/scope in Industries.
16. XAI: Explainable Artificial Intelligence and its use cases
17. Artificial Intelligence for Developing a better world Using Sustainable Development
18. Business Analytics: A Boon to Industries.
19. How to make Business from Data? Learn and Earn
20. How AI is Impacting your Life and its scope in Industries.
21. AI: A Boon in Healthcare and its Scope.
22. AI: A Boon in Nanotechnology and its Scope.
23. AI: A Boon in Climate change and its scope.
24. How Data science for Everyone and its scope
25. Business Strategy and Value: Optimize impact
26. Trust Governance and Sharing: An Urgent Imperative
27. Analytics Everywhere: Better Decisions, Realize Value
28. Data Science and Machine Learning: Unleash Innovation
29. Artificial Intelligence: Delivering Value at Scale
30. You can be a Data scientist! How?
31. You can be a Data Analyst! How?
32. You can be a Business Analyst! How?
33. Emerging Technologies and Trends: Reach Beyond
34. Master Data Management: Build the Foundation
35. Technical Insights: The Art of the Pragmatic
36. Data Management - Data Everywhere for Every Use
37. How Decision Intelligence Improves Business Outcomes

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)

Medbowli, Meerpet, Hyderabad-97.

Skills Set Includes

1. Consulting Business problems in Data science/ Machine Learning/Deep Learning/ Artificial Intelligence.
2. Data Analysis using Python/ Maths/Data Science Packages/Data Cleaning/ Data Visualization.
3. Data Modelling/Predictive Analytics using Machine Learning.
4. Data Modelling/Predictive Analytics using Deep Learning.
5. High Level Designing of Artificial Neural Network for Structured and Unstructured Data.
6. Designing Autoencoders and its applications
 - Designing of Computer vision Applications.
8. Designing of Natural Language Processing Applications.
9. Designing GAN Applications.

Core Skills

A. Tools

Jupyter Notebook, Tableau, Google Colab

B. Skills

1. Python
2. Maths
3. Data Science Packages (Numpy/Pandas/Matplotlib/Seaborn/ScikitLearn)
4. EDA Data Analysis
5. ML Modelling
6. Deep Learning (Tensorflow/Keras)

Done 70+ Certifications in Python/Data Science/Machine Learning/Deep Learning.



Principal

**TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.**

Mr. Surendra Varma

Educator @ EducateNXT with Master's Degree in Computer Science

He has 15+ Years of Experience in Teaching / Research / Industry.

He is a Winner of Best Teacher Award.

He is a Winner of Young Achiever Award.



He holds Bachelor's Degree in Computer Science & Master's Degree in Computer Science.

He cracked toughest exams in Computer Science such as GATE & UGC-NET with flying colours.

He is currently Pursuing PhD from most reputed University Indian Institute of Sciences (IISc), Bangalore.

He worked with various EdTech companies in India and always received best feedback from his students.

He worked in various roles like Software Engineer, Associate Professor, Researcher, Technical Trainer, Senior Technical Trainer, Technical Head, Academic Head.

He has trained over 1,00,000 students in his career and he also trained students to crack technical & coding interviews at Big Tech Companies.

To just cross check his coding skills, he has given Amazon Coding Interview which he cracked & stood in Top 5% in the World (According to Amazon Database).

His former students are currently working in MNC's such as Amazon, Infosys, Wipro, TCS, CTS, and Accenture etc.

He has given Guest Lecturers in Top Universities in India like IIIT's, SRM University, KL University, VIT etc.

He has also given online training to students of various countries such as India, USA, Canada, UAE, Australia, UK, Germany etc.

He has more than 46000+ students and they are from 170 different countries. Some of his courses are Highest Rated.

"He loves education and educating others. His goal is to provide quality of education to the students across the world."

He strongly believes in "WE RISE BY LIFTING OTHERS".

Principal
TKR College of Engineering & Technology
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Python, Data Science, Machine Learning, Deep Learning, Artificial Intelligence

Course Modules	Sections	Hours	Days
Python for Data Science, Machine Learning, Deep Learning	Overview of Python Data Types, Operators	2	1
	Control Structure & Functions	2	
	String Operators and Regular Expressions	1	
	File Handling	1	
	Exception Handling	1	2
	The Object-Oriented Approach	2	
	Data Structures - Linear & Non-Linear	4	
	Data Structures & Algorithms in Python	4	
Maths Behind Data Science	Statistical Analysis: Descriptive Statistics & Inferential Statistics	2	3
	Hypothesis Testing	2	
Data Science / EDA	Numpy	2	4
	Pandas	2	
	Matplotlib	2	5
	Seaborn	2	
Project 1	Python Projects in Various Industry Domains	5	6
Data Visualization using Tableau	Introduction to Tableau	2	7
	Creating different type of Charts	2	
	Creating Dashboards	2	
	Use Cases	2	
Introduction to Machine Learning & its type	Regression Analysis- Simple Linear Regression, Multiple Linear Regression, Polynomial Regression, Advanced Regression	2	8
	Classification Methods- Logistic Regression/Naive Bayes/ANN/Support Vector Machines (SVM)/Decision Tree/Random Forest	2	
	Unsupervised Machine Learning	2	
Introduction to Deep Learning	Introduction to Tensorflow/Keras/Pytorch	2	9
	Biological Neuron/ Artificial Neuron (Perceptron)	2	
	Perceptron/MLP/ Vanilla Neural Network/ANN	2	
	Types of ANN: Sequential ANN and Functional ANN	2	10
	Weight Initialization and Biases	1	
	Activation Functions	1	
	Backward Propagation	1	
	Gradient Descent	1	
	Learning rate	1	
	Optimizers	1	11
	Regularization	1	
	Loss Function and Cost Function	1	
	Hyperparameters	1	
Project 2	AI/ML Projects in Various Industry Domains	5	12
Total No. of Hours			70



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU)
Accredited by NBA & NAAC with 'A' Grade



DATE: 03-04-2023

To,
The Respected Principal,
TKR College of Engineering & Technology,


SUB: Permit to conduct value added course Machine Learning with Python for B. Tech III year II Semester students regd.

I am writing this requesting letter for your permission to conduct a one-week training program on Machine Learning with Python for B. Tech III year II Semester students.

The course will cover various aspects of Data Science, including data analytics & visualization and usage of Machine Learning with Python. We plan to include practical sessions to provide hands-on experience to the students.

We request your permission to conduct this training for our students, and we assure you that it will be conducted with utmost professionalism and efficiency. We firmly believe that these sessions will help our students to be better prepared for the industry and to excel in their careers.

Thank you, sir .We look forward to your positive response.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.

Yours Sincerely,
K.Kiranmayee
CSE (Data Science)
TKRCET

About TKRCET: TKR College of Engineering & Technology, established in the year 2002, has been sponsored by TKR Educational Society, Medhovi, Meerpet, Hyderabad, Telangana. It is recognized by AICTE and approved by the State Govt. Affiliated to Jawaharal Nehru Technological University, Hyderabad (JNTUH). UGC recognition under Sections 2(f) and 12 (B) further strengthens over cause of quality education. The college proudly offers 6 UG and 3 PG programs in Engineering, a Professional Course in MBA and 5 programs in Diploma Course. With 20 years of rich standing in the educational era, TKR College of Engineering & Technology has an excellent track record which is evidenced across holding accreditation by NBA in 2008 for 3 years and accreditation for 2 years in 2015, and subsequently extended for one more year. This Institution has the distinction of being one among the Top 10 Ranking Institutes of choice and preference for the aspiring students.

About CSE (DATA SCIENCE) Department: Providing the students with in-depth understand of fundamentals and practical training related to professional skills and their applications through effective Teaching- Learning process and state of the art laboratories pertaining to CSE (DATA SCIENCE) and inter disciplinary areas. Preparing students in developing research, design, entrepreneurial skills and employability capabilities. Providing consultancy services and promoting Industry-Department interactions. The department has well qualified and experienced Faculty.

About Training: The training will be conducted using a mix of pre-recorded spoken tutorial videos with side by side learning methods and live lectures. Several practice problems will also be provided after every topic, followed by discussions to better understand each topic.

All students will get the Python software, Spoken Tutorials on Python, copies of our slides, video recording of all lectures, Python code for several hundred science and engineering textbooks, Python Lab Migration documents with code and Python Case Studies. Using these, all who are interested in conducting Data structures with Python training by themselves can do so.

Objectives of the Training

- To gain hands-on exposure on Python programming

Expected Outcomes: Upon successful completion

On successful completion of the training, participants will be able to:

- Learn basic Python programming.
- Learn Machine Learning concepts, tasks and applications in Management.
- Learn Deep Learning in Python.
- The participants are expected to get a fair amount of fundamental knowledge on Python programming.

Guidelines for Participants:

- Basic programming language knowledge is required
- Certificate will be issued to all the participants after successful completion of the training.
- Participants need to mark their attendance in the attendance sheet that will be provided during the Session.

Principal

**TKR College of Engineering & Technology
(AUTONOMOUS)**

Medhovi, Meerpet, Hyderabad-57.

TKR COLLEGE OF ENGINEERING & TECHNOLOGY
AUTONOMOUS

Approved By AICTE Affiliated to JNTUH, Accredited By NBA

Accredited by NAAC with 'A' Grade

Recognized under 2(f) and 12(B) of UGC Act 1956

Value added course on

**Machine Learning with
Python**

18th April - 04th May 2023



**Organized
by**

**Department of CSE (DATA SCIENCE)
TKR COLLEGE OF ENGINEERING &
TECHNOLOGY
Autonomous**

Approved By AICTE Affiliated to JNTUH.
Medhovi, Meerpet
Hyderabad-500097
Telangana State,
India

Value added course on
Machine Learning with Python
18th April - 04th May 2023

CONVENER:
Dr. V. Krishna
Head, Department of CSE(DD)

ORGANIZING COMMITTEE
CHIEF PATRON
Sri T. Krishna Reddy
Founder chairman,
TKRCET

Training Schedule:

Day-1: 18 April, 2023
Inaugural: 10:00Am to 10:30 AM
10:40 AM to 11:00 AM Tea Break
11:00 Am to 1:00PM
Introduction to Machine Learning,
Curve fitting,
1:00PM to 2:00 PM Lunch
2:00PM to 4:00PM Regression, Types
of Problem solving.

FACULTY CO-ORDINATORS
Mrs.K.Kirannayee
Mrs B. Tejaswini,

Dr. T. Harhath Reddy
secretary, TKRCET
Sri. T. Amaranath Reddy
Treasurer, TKRCET

Day-2: 19 April 2023

10am -11:30
Deep Learning -Introduction
11:30-11:40 am Tea Break
1:00-2:00 pm Lunch
2:00-4:00 pm GPU'S, Neural Networks

Lab in-charges
Mr. Mahesh

CHAIR PERSON

Dr. D. V. Ravi Shankar
Principal, TKRCET

Day-3: 28 April 2023

10am - 11:30 Ysgnet, Tensorflow
11:30-11:40 am Tea Break
11:40 to 1:00pm Artificial Neural
Network, Architecture of Neural
Network
1:00-2:00 pm Lunch
2:00-4:00 pm Sequential and functional ANN's, Evaluating
Metrics in Classification

STUDENT CO-ORDINATORS:

Ms. Manvitha
Mr. Saketh

ADVISORY COMMITTEE

Dr. A. Suresh Rao
Head, Department of CSE

TECHNICAL COMMITTEE

Mr. Kiran Kumar

Day-4: 29 April 2023
10am -11:30 Loss Functions
11:30-11:40 am Tea Break
11:40 to 1:00pm Optimizer
1:00-2:00 pm Lunch
2:00-4:00 pm Lab

MEMBERS:

Teaching and Non-Teaching Staff of CSE (DATA SCIENCE)
Department

RESOURCE PERSON

Mr. Jay Bansal
Mr. K. V. Swamy

Day-5: 03 May 2023

Sample Project Tools used for AI/ML
11:30-11:40 am Tea Break
11:40 to 1:00pm
1:00-2:00 pm Lunch
2:00-4:00 pm Lab

Day-6: 04 May 2023

Sample Project Tools used for AI/ML
11:30-11:40 am Tea Break
11:40 to 1:00pm Lunch

Principal

TKR College of Engineering & Technology
Amalapuram, Andhra Pradesh

CONVENER:

Dr.V. Krishna
Head, Department of CSE(DS)

ORGANIZING COMMITTEE

CHIEF PATRON
Sh T. Krishna Reddy
Founder chairman,
TKRCET

Machine Learning with Python
18th April - 04th May 2023

Value added course on

PATRON

Dr. T. Harinath Reddy
secretary, TKRCET
Sri. T. Anaranath Reddy
Treasurer, TKRCET

Training Schedule:

Day-1: 18 April, 2023
Inaugural: 10:00am to 10:30 AM
10:40 AM to 11:00 AM Tea Break
11:00 AM to 1:00PM
Introduction to Machine Learning,
Curve fitting,
1:00PM to 2:00 PM Lunch
2:00PM to 4:00PM Regression, Types
of Problem solving.

Day-2: 19 April 2023

10am -11:30
Deep Learning -Introduction
11:30-11:40 am Tea Break
1:00-2:00 pm Lunch
2:00-4:00 pm GPUs, Neural Networks

Day-3: 28 April 2023

10am -11:30 Vagmet, Tensorflow
11:30-11:40 am Tea Break
11:40 to 1:00pm Artificial Neural
Network, Architecture of Neural
Network
1:00-2:00 pm Lunch
2:00-4:00 pm Sequential and functional ANN's, Evaluation
Metrics in Classification

Day-4: 29 April 2023

10am -11:30 Lost Functions
11:30-11:40 am Tea Break
11:40 to 1:00pm Optimizer
1:00-2:00 pm Lunch
2:00-4:00 pm Lab

Day-5: 03 May 2023

Sample Project Tools used for AI/ML
11:30-11:40 am Tea Break
11:40 to 1:00pm
1:00-2:00 pm Lunch
2:00-4:00 pm Lab

Day-6: 04 May 2023

Sample Project Tools used for AI/ML
11:30-11:40 am Tea Break
11:40 to 1:00pm Lunch
1:00-2:00 pm Lab

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Meebowl, Meerpet, Hyderabad-97.

FACULTY CO-ORDINATORS

Mrs.K.Kirannayee
Mrs B. Tejaswini,

Lab in-charges
Mr. Mahesh

STUDENT CO-ORDINATORS:

Ms. Manvitha
Mr. Saketh

MEMBERS:
Teaching and Non-Teaching Staff of CSE (DATA SCIENCE)
Department

RESOURCE PERSON

Mr. Jay Bansal
Mr. K.V.Swamy

TECHNICAL COMMITTEE

Mr. Kiran Kumar

ADVISORY COMMITTEE

Dr. A. Suresh Rao
Head, Department of CSE

Valedictory: 3:30 -4:00pm

TKR COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/

DATE: 18/4/23

TOPIC: Machine Learning

RESOURCE PERSON:

ORGANIZED BY:

Mr. Jay Bansal

Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU		
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	shivacharan	
3	20K91A6703	AYUSH KAUSHAL	ayush	
4	20K91A6704	BINGI SAKETHI		
5	20K91A6705	BOMMISHETTI LIKITHI		
6	20K91A6706	GADDAM NEETHA REDDY		
7	20K91A6707	GARIMELLA MANVITHA	Manvitha	Manvitha
8	20K91A6708	GUDIPALLY NIKHIL REDDY		
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	Pravallika	Pravallika
10	20K91A6710	JAKKULA NAVEEN	navneet	
11	20K91A6711	JALA SRINIDHI	Srinidhi	Srinidhi
12	20K91A6712	JALIGAMA SHIVA KUMAR		
13	20K91A6713	JALLA PHANEENDRA		
14	20K91A6714	JANGAM SWATHI LAXMI		
15	20K91A6715	K DURGA NIKHIL	K.Durganikhil	K.Durganikhil
16	20K91A6716	KALURI PRAVEEN		
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	K.Madhu	K.Madhu
18	20K91A6718	KASIREDDY SOURABHYA REDDY	Sourabhya	Sourabhya
19	20K91A6719	KASULABAD DAVID AARON		
20	20K91A6720	KORRA KISHAN NAIK		
21	20K91A6721	LAKAVATH PREMCHAND	Prem	Prem
22	20K91A6722	MAHITHA TEDLA	tedla	tedla
23	20K91A6723	MANALA BHARADWAJA		
24	20K91A6724	MANDADI ASHRITHA	M.Ashritha	M.Ashritha
25	20K91A6725	MITTA PAVANI	M.Pavani	M.Pavani
26	20K91A6726	MOGULOJU SAI	Sai	Sai
27	20K91A6727	MOHAMMED RAFAY MUBASHIR		
28	20K91A6728	NARLAWAR SRUJAN	Srujan	
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	P.Swamy	P.Swamy
31	20K91A6731	PANDIRI S LAXMI PRIYA		
32	20K91A6732	PARIKAPALLI INDRAJA	P.Indrajit	P.Indrajit
33	20K91A6733	POLAMPALLI PAVAN KUMAR	P.Pavan	
34	20K91A6734	PUCHALA ARVIND REDDY	Arvind	Arvind
35	20K91A6735	RAMAVATHI SANTHOSH		
36	20K91A6736	ROKKAM RISHIKA REDDY	Rishika	Rishika
37	20K91A6737	SAI KUMAR GANTA	S.K.Ganta	
38	20K91A6738	SUNKE SAI SREYA	S.SaiSreya	S.SaiSreya
39	20K91A6739	TASLEEM FATHIMA		

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41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vishnu	Vardhan
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Vara	Vara
43	20K91A6745	YEDIRE ANURAG NANDAN	Y. Anurag	Y. Anurag
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	M Venugopal	M. Venugopal
45	20K91A6749	DOOSARI SUMALINI GOUD		
46	20K91A6750	VATTI ROOPA	V. Roopa	V. Roopa
47	20K91A6751	JADHAV ABHISHEK		
48	20K91A6752	NALLA NIRANJAN REDDY	N. Niranjan Reddy	N. Niranjan Reddy
49	21K95A6701	ARAVA MANOJ	Manoj	Manoj
50	21K95A6702	ALLIPURAM LAVANYA	Lavanya	Lavanya
51	21K95A6703	KATRAGADDA ABHITHA	Abhitha	Abhitha
52	21K95A6704	K SAI RAM	Sai Ram	Sai Ram
53	21K95A6705	KOLCHELMA SAIKIRAN	K. Saikiran	K. Saikiran
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Akhil Sai	K. Akhil Sai
55	21K95A6707	MADDI SAICHANDAN	M. Saichandan	M. Saichandan
56	21K95A6708	NAGARALA KARTHIK REDDY	K. Karthik	K. Karthik
57	21K95A6709	THADA RAJU	T. Raju	T. Raju
58	21K95A6710	YENUGULA SANTHOSH	Y. Santhosh	Y. Santhosh

TOPICS COVERED: Introduction, curve fitting, Regression
Types of Problem Solving

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EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/

TOPIC: *Deep Learning*

ORGANIZED BY:

DATE: *19/4/20*

RESOURCE PERSON:

Mr. Jay Bansal

Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	<i>[Signature]</i>	<i>[Signature]</i>
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	<i>[Signature]</i>	<i>[Signature]</i>
3	20K91A6703	AYUSH KAUSHAL	<i>[Signature]</i>	<i>[Signature]</i>
4	20K91A6704	BINGI SAKETH	<i>[Signature]</i>	<i>[Signature]</i>
5	20K91A6705	BOMMISHETTI LIKITH	<i>[Signature]</i>	<i>[Signature]</i>
6	20K91A6706	GADDAM NEETHA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
7	20K91A6707	GARIMELLA MANVITHA	<i>[Signature]</i>	<i>[Signature]</i>
8	20K91A6708	GUDIPALLY NIKHIL REDDY	<i>[Signature]</i>	<i>[Signature]</i>
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	<i>[Signature]</i>	<i>[Signature]</i>
10	20K91A6710	JAKKULA NAVEEN	<i>[Signature]</i>	<i>[Signature]</i>
11	20K91A6711	JALA SRINIDHI	<i>[Signature]</i>	<i>[Signature]</i>
12	20K91A6712	JALIGAMA SHIVA KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
13	20K91A6713	JALLA PHANEENDRA	<i>[Signature]</i>	<i>[Signature]</i>
14	20K91A6714	JANGAM SWATHI LAXMI	<i>[Signature]</i>	<i>[Signature]</i>
15	20K91A6715	K DURGA NIKHIL	<i>[Signature]</i>	<i>[Signature]</i>
16	20K91A6716	KALURI PRAVEEN	<i>[Signature]</i>	<i>[Signature]</i>
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
18	20K91A6718	KASIREDDY SOURABHYA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
19	20K91A6719	KASULABAD DAVID AARON	<i>[Signature]</i>	<i>[Signature]</i>
20	20K91A6720	KORRA KISHAN NAIK	<i>[Signature]</i>	<i>[Signature]</i>
21	20K91A6721	LAKAVATH PREMCHAND	<i>[Signature]</i>	<i>[Signature]</i>
22	20K91A6722	MAHITHA TEDLA	<i>[Signature]</i>	<i>[Signature]</i>
23	20K91A6723	MANALA BHARADWAJA	<i>[Signature]</i>	<i>[Signature]</i>
24	20K91A6724	MANDADI ASHRITHA	<i>[Signature]</i>	<i>[Signature]</i>
25	20K91A6725	MITTA PAVANI	<i>[Signature]</i>	<i>[Signature]</i>
26	20K91A6726	MOGULOJU SAI	<i>[Signature]</i>	<i>[Signature]</i>
27	20K91A6727	MOHAMMED RAFAY MUBASHIR	<i>[Signature]</i>	<i>[Signature]</i>
28	20K91A6728	NARLAWAR SRUJAN	<i>[Signature]</i>	<i>[Signature]</i>
29	20K91A6729	NUKALA SAIKIRAN	<i>[Signature]</i>	<i>[Signature]</i>
30	20K91A6730	PALAKURI SWAMY	<i>[Signature]</i>	<i>[Signature]</i>
31	20K91A6731	PANDIRI S LAXMI PRIYA	<i>[Signature]</i>	<i>[Signature]</i>
32	20K91A6732	PARIKAPALLI INDRAJA	<i>[Signature]</i>	<i>[Signature]</i>
33	20K91A6733	POLAMPALLI PAVAN KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
34	20K91A6734	PUCHALA ARVIND REDDY	<i>[Signature]</i>	<i>[Signature]</i>
35	20K91A6735	RAMAVATH SANTHOSH	<i>[Signature]</i>	<i>[Signature]</i>
36	20K91A6736	ROKKAM RISHIKA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
37	20K91A6737	SAI KUMAR GANTA	<i>[Signature]</i>	<i>[Signature]</i>
38	20K91A6738	SUNKE SAI SREYA	<i>[Signature]</i>	<i>[Signature]</i>
39	20K91A6739	TASLEEM FATHIMA	<i>[Signature]</i>	<i>[Signature]</i>

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40	20K91A6740	THUMMALA RAJESH REDDY		
41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vignesh	Rajesh
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Krishna	Vignesh
43	20K91A6745	YEDIRE ANURAG NANDAN	Yash	Vignesh
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	S. Praveen	V. Venugopal
45	20K91A6749	DOOSARI SUMALINI GOUD	M. Venugopal	M. Venugopal
46	20K91A6750	VATTI ROOPA		
47	20K91A6751	JADHAV ABHISHEK	V. Roopa Reddy	V. Roopa Reddy
48	20K91A6752	NALLA NIRANJAN REDDY		
49	21K95A6701	ARAVA MANOJ	N. Niranjana	N. Niranjana
50	21K95A6702	ALLIPURAM LAVANYA	Arava	Arava
51	21K95A6703	KATRAGADDA ABHITHA	Arava	Arava
52	21K95A6704	K SAI RAM	Arava	Arava
53	21K95A6705	KOLCHELMA SAIKIRAN	Saravani	
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Saravani	Krishna
55	21K95A6707	MADDI SAICHANDAN	K. Saravani	Krishna
56	21K95A6708	NAGARALA KARTHIK REDDY	U. Aditya	U. Aditya
57	21K95A6709	THADA RAJU	Raju	Raju
58	21K95A6710	YENUGULA SANTHOSH	Santhosh	Santhosh

TOPICS covered: Introduction, GPU S, Neural Networks


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EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/

DATE: 28/4/2

TOPIC: *Deep Learning*

RESOURCE PERSON:

ORGANIZED BY:

Mr. Jay Bansal

Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	AKB <i>[Signature]</i>	
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	<i>[Signature]</i>	<i>[Signature]</i>
3	20K91A6703	AYUSH KAUSHAL	<i>[Signature]</i>	<i>[Signature]</i>
4	20K91A6704	BINGI SAKETH	<i>[Signature]</i>	
5	20K91A6705	BOMMISHETTI LIKITH		
6	20K91A6706	GADDAM NEETHA REDDY	<i>[Signature]</i>	<i>[Signature]</i>
7	20K91A6707	GARIMELLA MANVITHA	G-Manvitha	
8	20K91A6708	GUDIPALLY NIKHIL REDDY		
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	<i>[Signature]</i>	
10	20K91A6710	JAKKULA NAVEEN	<i>[Signature]</i>	<i>[Signature]</i>
11	20K91A6711	JALA SRINIDHI	<i>[Signature]</i>	<i>[Signature]</i>
12	20K91A6712	JALIGAMA SHIVA KUMAR	<i>[Signature]</i>	<i>[Signature]</i>
13	20K91A6713	JALLA PHANEENDRA	<i>[Signature]</i>	<i>[Signature]</i>
14	20K91A6714	JANGAM SWATHI LAXMI	<i>[Signature]</i>	<i>[Signature]</i>
15	20K91A6715	K DURGA NIKHIL	K.Durganikhil	K.Durganikhil
16	20K91A6716	KALURI PRAVEEN		
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	K.Madhu	K.Madhu
18	20K91A6718	KASIREDDY SOURABHYA REDDY		
19	20K91A6719	KASULABAD DAVID AARON		
20	20K91A6720	KORRA KISHAN NAIK	<i>[Signature]</i>	<i>[Signature]</i>
21	20K91A6721	LAKAVATH PREMCHAND	Prem	Prem
22	20K91A6722	MAHITHA TEDLA	Mahitha	Mahitha
23	20K91A6723	MANALA BHARADWAJA		
24	20K91A6724	MANDADI ASHRITHA	M.Ashritha	M.Ashritha
25	20K91A6725	MITTA PAVANI	M.Pavani	M.Pavani
26	20K91A6726	MOGULOJU SAI	Sai	Sai
27	20K91A6727	MOHAMMED RAFAY MUBASHIR		
28	20K91A6728	NARLAWAR SRUJAN	AKB Srujan	
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY		
31	20K91A6731	PANDIRI S LAXMI PRIYA	P. Laxmi Priya	P. Laxmi Priya
32	20K91A6732	PARIKAPALLI INDRAJA	Indraja	Indraja
33	20K91A6733	POLAMPALLI PAVAN KUMAR		
34	20K91A6734	PUCHALA ARVIND REDDY	Arvind	Arvind
35	20K91A6735	RAMAVATH SANTHOSH		
36	20K91A6736	ROKKAM RISHIKA REDDY	Rishika	Rishika
37	20K91A6737	SAI KUMAR GANTA	Sai Kumar	Sai Kumar
38	20K91A6738	SUNKE SAI SREYA		
39	20K91A6739	TASLEEM PATHIMA	Tasleem Pathima	Tasleem Pathima

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40	20K91A6740	THUMMALA RAJESH REDDY		
41	20K91A6741	VARALA VISHNUVARDHAN REDDY		
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Vishnu	Vishnu
43	20K91A6745	YEDIRE ANURAG NANDAN	Varalakshmi	Varalakshmi
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	Anurag	Anurag
45	20K91A6749	DOOSARI SUMALINI GOUD	M. Venugopal	M. Venugopal
46	20K91A6750	VATTI ROOPA	Sumalini	Sumalini
47	20K91A6751	JADHAV ABHISHEK	V. Roopa Reddy	V. Roopa Reddy
48	20K91A6752	NALLA NIRANJAN REDDY		
49	21K95A6701	ARAVA MANOJ	N. Niranjan Reddy	N. Niranjan Reddy
50	21K95A6702	ALLIPURAM LAVANYA	Manoj	Manoj
51	21K95A6703	KATRAGADDA ABHITHA	Lavanya	Lavanya
52	21K95A6704	K SAI RAM	Abhitha Reddy	Abhitha Reddy
53	21K95A6705	KOLCHELMA SAIKIRAN	AI	AI
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	Sai Kiran	Sai Kiran
55	21K95A6707	MADDI SAICHANDAN	Krishnamara Ju Akhil Sai	Krishnamara Ju Akhil Sai
56	21K95A6708	NAGARALA KARTHIK REDDY	Maddi Saichandan	Maddi Saichandan
57	21K95A6709	THADA RAJU	Karthik Reddy	Karthik Reddy
58	21K95A6710	YENUGULA SANTHOSH	Raju	T. Raju
			Santhosh	Y. Santhosh

Topics covered: Vggnet, Tensorflow, Artificial Neural Network
 Architecture of ANN, sequential and functional ANN'S,
 Evaluation metrics in classification.


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EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/

TOPIC: *Deep Learning*

ORGANIZED BY:

DATE: *29/4/23*

RESOURCE PERSON:

MV. Jay Bansal

Attendance

S.NO	HALL TICKET NO	STUDENT NAME	SIGN(FN)	SIGN(AN)
1	20K91A6701	AMBADI KARTHIK BIJU	<i>Karthik</i>	
2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	<i>Shivacharan</i>	
3	20K91A6703	AYUSH KAUSHAL	<i>Ayush K</i>	
4	20K91A6704	BINGI SAKETH	<i>B Saketh</i>	
5	20K91A6705	BOMMISHETTI LIKITH	<i>(B)</i>	
6	20K91A6706	GADDAM NEETHA REDDY	<i>neetha</i>	
7	20K91A6707	GARIMELLA MANVITHA		
8	20K91A6708	GUDIPALLY NIKHIL REDDY	<i>Nikhil</i>	
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA		
10	20K91A6710	JAKKULA NAVEEN	<i>J. Naveen</i>	
11	20K91A6711	JALA SRINIDHI	<i>J. Srinidhi</i>	
12	20K91A6712	JALIGAMA SHIVA KUMAR	<i>Shiva</i>	
13	20K91A6713	JALLA PHANEENDRA	<i>Phaneendra</i>	
14	20K91A6714	JANGAM SWATHI LAXMI		
15	20K91A6715	K DURGA NIKHIL	<i>K. Durganidhi</i>	
16	20K91A6716	KALURI PRAVEEN	<i>K. Praveen</i>	
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	<i>K. Madhusudhan</i>	
18	20K91A6718	KASIREDDY SOURABHYA REDDY		
19	20K91A6719	KASULABAD DAVID AARON		
20	20K91A6720	KORRA KISHAN NAIK	<i>K. Kishan</i>	
21	20K91A6721	LAKAVATH PREMCHAND	<i>Premchand</i>	
22	20K91A6722	MAHITHA TEDLA	<i>Mahitha</i>	
23	20K91A6723	MANALA BHARADWAJA		
24	20K91A6724	MANDADI ASHRITHA		
25	20K91A6725	MITTA PAVANI	<i>Pavani</i>	
26	20K91A6726	MOGULOJU SAI	<i>Sai</i>	
27	20K91A6727	MOHAMMED RAFAY MUBASHIR	<i>Mubashir</i>	
28	20K91A6728	NARLAWAR SRUJAN	<i>Srujan</i>	
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	<i>Swamy</i>	
31	20K91A6731	PANDIRI S LAXMI PRIYA	<i>P. Laxmi Priya</i>	
32	20K91A6732	PARIKAPALLI INDRAJA	<i>Induja</i>	
33	20K91A6733	POLAMPALLI PAVAN KUMAR		
34	20K91A6734	PUCHALA ARVIND REDDY	<i>Arvind</i>	
35	20K91A6735	RAMAVATH SANTHOSH		
36	20K91A6736	ROKKAM RISHIKA REDDY	<i>Rishika</i>	
37	20K91A6737	SAI KUMAR GANTA	<i>Ganta</i>	
38	20K91A6738	SUNKE SAI SREYA		
39	20K91A6739	TASLEEM FATHIMA	<i>Tasleem</i>	

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43	20K91A6745	YEDIRE ANURAG NANDAN		
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	M. VENUGOPAL	
45	20K91A6749	DOOSARI SUMALINI GOUD	Sumalini	
46	20K91A6750	VATTI ROOPA	Roopa	
47	20K91A6751	JADHAV ABHISHEK		
48	20K91A6752	NALLA NIRANJAN REDDY		
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50	21K95A6702	ALLIPURAM LAVANYA	Lavanya	
51	21K95A6703	KATRAGADDA ABHITHA	Abhitha	
52	21K95A6704	K SAI RAM	Sai	
53	21K95A6705	KOLCHELMA SAIKIRAN	K. Sai Kiran.	
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Akhil Sai	
55	21K95A6707	MADDI SAICHANDAN		
56	21K95A6708	NAGARALA KARTHIK REDDY	Karthik	
57	21K95A6709	THADA RAJU	Raju	
58	21K95A6710	YENUGULA SANTHOSH	Santhosh	

Topics covered: Loss Functions, optimizers


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EVENT: WORK SHOP/SEMINAR/GUEST LECTURE/Project
 TOPIC: Tools used for ASME
 ORGANIZED BY: *MT*

DATE: 03/5/23
 RESOURCE PERSON: M.A.K.V. SURE

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2	20K91A6702	ARAPALLI SHIVACHARAN REDDY	A <i>Shivacharan</i>	
3	20K91A6703	AYUSH KAUSHAL	<i>Ayush K</i>	<i>Ayush</i>
4	20K91A6704	BINGI SAKETH	A <i>SB</i>	
5	20K91A6705	BOMMISHETTI LIKITH	A <i>Likitha</i>	
6	20K91A6706	GADDAM NEETHA REDDY	<i>Neetha</i>	<i>Neetha</i>
7	20K91A6707	GARIMELLA MANVITHA	<i>Manvitha</i>	
8	20K91A6708	GUDIPALLY NIKHIL REDDY	<i>Nikhil</i>	
9	20K91A6709	IRAGAVARAPU GEETA PRAVALLIKA	<i>Pravallika</i>	
10	20K91A6710	JAKKULA NAVEEN		
11	20K91A6711	JALA SRINIDHI	<i>Srinidhi</i>	<i>Srinidhi</i>
12	20K91A6712	JALIGAMA SHIVA KUMAR	A <i>Shiva Kumar</i>	
13	20K91A6713	JALLA PHANEENDRA	A <i>Phaneendra</i>	
14	20K91A6714	JANGAM SWATHI LAXMI		
15	20K91A6715	K DURGA NIKHIL		
16	20K91A6716	KALURI PRAVEEN	<i>K. Praveen</i>	
17	20K91A6717	KAMACHETTY MADHUSUDHAN KUMAR	A <i>K.Madhu</i>	<i>K.Madhu</i>
18	20K91A6718	KASIREDDY SOURABHYA REDDY	<i>Sourabhya</i>	<i>Sourabhya</i>
19	20K91A6719	KASULABAD DAVID AARON		
20	20K91A6720	KORRA KISHAN NAIK	<i>K. Kishan</i>	<i>K. Kishan</i>
21	20K91A6721	LAKAVATH PREMCHAND	<i>Premchand</i>	<i>Premchand</i>
22	20K91A6722	MAHITHA TEDLA	A <i>Mahitha</i>	
23	20K91A6723	MANALA BHARADWAJA	A <i>Bharadwaja</i>	
24	20K91A6724	MANDADI ASHRITHA	<i>M.Ashritha</i>	
25	20K91A6725	MITTA PAVANI	<i>Pavani</i>	<i>Pavani</i>
26	20K91A6726	MOGULOJU SAI	<i>Sai</i>	<i>Sai</i>
27	20K91A6727	MOHAMMED RAFAY MUBASHIR		
28	20K91A6728	NARLAWAR SRUJAN		
29	20K91A6729	NUKALA SAIKIRAN		
30	20K91A6730	PALAKURI SWAMY	<i>P.Swamy</i>	<i>P.Swamy</i>
31	20K91A6731	PANDIRI S LAXMI PRIYA	<i>P.Priya</i>	<i>P.Priya</i>
32	20K91A6732	PARIKAPALLI INDRAJA	<i>Indraja</i>	<i>Indraja</i>
33	20K91A6733	POLAMPALLI PAVAN KUMAR		
34	20K91A6734	PUCHALA ARVIND REDDY	<i>Arvind</i>	<i>Arvind</i>
35	20K91A6735	RAMAVATH SANTHOSH	<i>R.Santhosh</i>	<i>R.Santhosh</i>
36	20K91A6736	ROKKAM RISHIKA REDDY	<i>Rishika</i>	<i>Rishika</i>
37	20K91A6737	SAI KUMAR GANTA	<i>Ganta</i>	<i>Ganta</i>
38	20K91A6738	SUNKE SAI SREYA	<i>Sreya</i>	<i>Sreya</i>
39	20K91A6739	TASLEEM FATHIMA	<i>Tasleem Fathima</i>	<i>Tasleem</i>

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40	20K91A6740	THUMMALA RAJESH REDDY	T. Rajesh Reddy	T. Rajesh Reddy
41	20K91A6741	VARALA VISHNUVARDHAN REDDY	Vishal	V. Vishal
42	20K91A6742	YASAM VENKATA VARA LAKSHMI	Yasam Venkata	Yasam Venkata
43	20K91A6745	YEDIRE ANURAG NANDAN	Anurag	Anurag
44	20K91A6746	MOTAPPAGARI VENUGOPAL REDDY	Venugopal	Venugopal
45	20K91A6749	DOOSARI SUMALINI GOUD		
46	20K91A6750	VATTI ROOPA	V. Roopa	V. Roopa
47	20K91A6751	JADHAV ABHISHEK		
48	20K91A6752	NALLA NIRANJAN REDDY	N. Niranjan Reddy	N. Niranjan Reddy
49	21K95A6701	ARAVA MANOJ	Manoj	Manoj
50	21K95A6702	ALLIPURAM LAVANYA	Lavanya	Lavanya
51	21K95A6703	KATRAGADDA ABHITHA	Abhitha	Abhitha
52	21K95A6704	K SAI RAM	A K. Sai Ram	K. Sai Ram
53	21K95A6705	KOLCHELMA SAIKIRAN	K. Saikiran	K. Saikiran
54	21K95A6706	KRISHNAMARA JU AKHIL SAI	K. Akhil Sai	K. Akhil Sai
55	21K95A6707	MADDI SAICHANDAN	M. Saichandan	M. Saichandan
56	21K95A6708	NAGARALA KARTHIK REDDY	K. Karthik	K. Karthik
57	21K95A6709	THADA RAJU	T. Raju	T. Raju
58	21K95A6710	YENUGULA SANTHOSH	Y. Santhosh	Y. Santhosh


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Accredited by NBA and NAAC with 'A' Grade

Medbowli, Meerpet (V), Balapur (M) Range Reddy (D), Hyderabad, Telangana - 500097

Mobile: 9100377790, Email: info@tkrceet.ac.in, Website: www.tkrceet.ac.in




ELECTRICAL AND ELECTRONICS ENGINEERING

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years (10)

1.2.1 Percentage of new courses introduced of the total number of courses across all programmes offered during the last five years (20)

Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Link to the relevant document
Linear Algebra & Applied Calculus	D1BSM1	Skill development	2022-23	
Applied Chemistry	D2BSAC1	Skill development	2022-23	
Electrical Circuits	D1ESEC1	Employability	2022-23	
English Language & Communication Skills Lab	D2HSE2	Employability	2022-23	
Applied Chemistry Lab	D2BSAC2	Skill development	2022-23	
Electrical Circuits Lab	D1ESEC2	Employability	2022-23	
Basic Workshop	D2ESBW1	Employability	2022-23	
Mathematical Transforms	D2BSM3	Employability	2022-23	
Engineering Physics	D1BSEP1	Employability	2022-23	
Computer Aided Engineering Graphics	D1ESCEG	Employability	2022-23	
C Programming for Problem Solving	D1ESCP1	Employability	2022-23	
Engineering Physics Lab	D1BSEP2	Employability	2022-23	
Basic C Programming for Problem Solving Lab	D1ESCP2	Employability	2022-23	
Probability, Numerical Methods and Complex	CBSM12	Skill development	2022-23	
Network Analysis Lab	D2ESNA2	Employability	2022-23	
Network Analysis	D2ESNA1	Employability	2022-23	
Analog Electronics	C23PC	Employability	2022-23	

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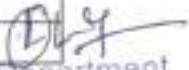

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 Electrical & Electronics Engineering
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Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Link to the relevant document
Electrical Machines-I	C23PC3	Employability	2022-23	
Electro Magnetic Fields	C23PC4	Employability	2022-23	
Analog Electronics Lab	C23PC5	Skill development	2022-23	
Electrical Machines Lab-I	C23PC6	Employability	2022-23	
Electrical Circuit Analysis Lab	C23PC7	Skill development	2022-23	
Cultural Activity	MC003	Skill development	2022-23	
Engineering Mechanics	CESEM1	Skill development	2022-23	
Digital Electronics	C24PC1	Employability	2022-23	
Electrical Machines-II	C24PC2	Skill development	2022-23	
Control Systems	C24PC3	Skill development	2022-23	
Power System-I	C24PC4	Skill development	2022-23	
Digital Electronics Lab	C24PC5	Skill development	2022-23	
Electrical Machines Lab -II	C24PC6	Skill development	2022-23	
Control Systems Lab	C24PC7	Skill development	2022-23	
Power Systems-I	C24PC4	Skill development	2022-23	
Power Electronics	C25PC1	Skill development	2022-23	
Microprocessors and Micro Controllers	C26PC3	Skill development	2022-23	
1. Electrical Machine Design	C25PE3	Skill development	2022-23	
2. Power System Dynamics and Control	C25PE3	Skill development	2022-23	
3. Digital Signal Processing	C25PE3	Skill development	2022-23	
Smart Grid Technologies (OE- I)	C25OE5	Skill development	2022-23	
Power Electronics Lab	C25PC7	Skill development	2022-23	
Microprocessors and Micro Controllers Lab	C26PC7	Skill development	2022-23	
Advanced Communication skills Lab	CHSE3	Skill development	2022-23	
Power Systems-II	C25PC4	Skill development	2022-23	
Electrical Measurements and Instrumentation	C25PC2	Skill development	2022-23	

W


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Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Link to the relevant document
1. Electrical Energy Conservation and Auditing	C26PE4	Skill development	2022-23	
2. Computer Architecture	C26PE4	Skill development	2022-23	
3. Line-Commutated and Active Rectifiers	C26PE4	Skill development	2022-23	
Renewable Energy Sources	C26OE5	Skill development	2022-23	
Electrical systems simulation Lab	C25PC6	Skill development	2022-23	
Electrical Measurements and Instrumentation Lab	C25PC8	Skill development	2022-23	
Power System Operation and Control	B27PC1	Skill development	2022-23	
1. Wind and Solar Energy Systems	B27PE2	Skill development	2022-23	
2. Hybrid Electrical Vehicles	B27PE2	Skill development	2022-23	
3. Flexible AC Transmission Systems	B27PE2	Skill development	2022-23	
Power System Protection	B27PC3	Skill development	2022-23	
Advanced Control systems	207BA	Skill development	2022-23	
Power systems Lab	B27PC5	Skill development	2022-23	
Project Stage-I	B27PW6	Skill development	2022-23	
1. HVDC Transmission Systems	B28PE1	Skill development	2022-23	
2. Computational Electromagnetics	B28PE1	Skill development	2022-23	
3. Electromagnetic Waves	B28PE1	Skill development	2022-23	
1. Industrial Electrical Systems	B28PE2	Skill development	2022-23	
2. Modern Control Theory	B28PE2	Skill development	2022-23	
3. Electrical Drives	B28PE2	Skill development	2022-23	
1. Utilization of Electrical Energy	B28PE3	Skill development	2022-23	
2. High Voltage Engineering	B28PE3	Skill development	2022-23	
3. Computer Aided Design of Electrical	B28PE3	Skill development	2022-23	
Project Stage-II	B28PW4	Skill development	2022-23	
Comprehensive Test	B28CT5	Skill development	2022-23	


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DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

To,

17.10.2022

The Principal,
TKR College of Engineering and Technology.

Subject: Request for Permission to Conduct a Value-Added Course in Chatbots for III & V
Sem CSE (AI & ML) Students

Dear Principal,

I am writing to request your permission to conduct a value-added course in Chatbot Development for the III Semester students pursuing (CSE AI & ML) at our institution.

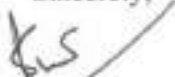
As technology continues to advance at a rapid pace, it is crucial for our students to remain at the forefront of innovation and gain practical skills that make them highly competitive in the job market. Chatbot development represents one of the most promising fields at the intersection of AI and user interface design. By offering this course, we aim to provide our students with a unique opportunity to acquire hands-on experience in designing, building, and deploying chatbot applications.

We believe that this course will not only enhance the knowledge and skills of our students but also make them well-prepared to meet the industry's demands. The ability to develop chatbots is increasingly valuable in various sectors, including customer service, healthcare, e-commerce, and more.

We kindly seek your approval for the implementation of this value-added course, and we are prepared to provide any additional information or documentation required to support this request. We are confident that the course will contribute significantly to our students' academic and professional growth.


Thank you for considering our proposal. We look forward to your positive response and the opportunity to empower our students with valuable skills in chatbot development.

Sincerely,



HoD

HEAD OF THE DEPARTMENT
Dept. of CSE (Artificial Intelligence & Machine Learning)
TKR College of Engineering & Technology
Meerpet, Hyderabad - 500 097



Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



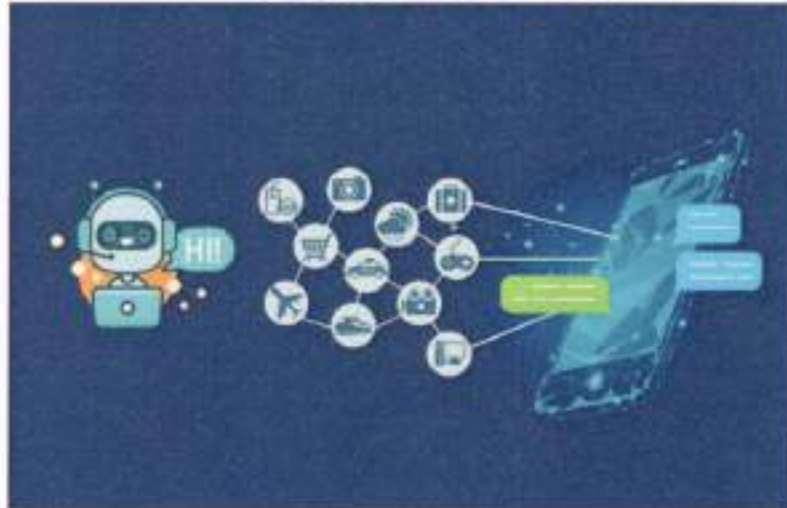
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CHATBOTS



VALUE ADDED COURSE OFFERED BY DEPARTMENT OF CSE (AI&ML)

Chatbots are computer programs designed to simulate human conversation and provide automated responses to user queries or commands. They use natural language processing (NLP) and machine learning techniques to understand and generate text-based or spoken interactions. Here's a summary of key points about chatbots.

Chatbots are used for various purposes, including customer support, information retrieval, task automation, and entertainment. Communication Channels: Use Cases: Chatbots are employed in a wide range of industries, such as e-commerce, healthcare, finance, and education, to streamline processes and enhance user experiences.

They can operate through text-based interfaces (e.g., messaging apps, websites) or voice-based interfaces (e.g., voice assistants like Siri or Alexa). Natural Language Processing (NLP): Chatbots rely on NLP algorithms to understand user input, including language nuances, slang, and context, to provide relevant and coherent responses. Machine Learning: Machine learning models help chatbots improve their performance

chatbots are computer programs that use NLP and machine learning to engage in human-like conversations with users, offering a wide range of benefits across various industries while facing challenges related to understanding user intent and ensuring ethical use of AI. They continue to evolve as a prominent tool in customer service and automation.

Principal

TKR College of Engineering & Technology

CHATBOTS

Course Objectives:

Students will gain a comprehensive understanding provide a structured framework for learning chatbot development, enabling students to gain a solid foundation and hands-on experience in creating functional chatbots.

Course outcomes:

Upon completion of the course, students will be able to:

- **Natural Language Processing (NLP)** A solid foundation in NLP concepts and techniques, including text preprocessing, tokenization, part-of-speech tagging, and sentiment analysis.
- **Bot Design and Architecture Skills** in designing effective conversation flows, user interfaces, and an understanding of chatbot architecture.
- **Testing and Debugging Skills** Proficiency in testing chatbots to ensure proper functionality. Ability to identify and resolve issues through debugging.
- **Deployment and Maintenance** Competence in deploying chatbots to different platforms and environments. Strategies for ongoing maintenance, updates, and scalability.

Week 1:

Introduction to Chatbots

Week 2:

The design thinking method for chatbots

Week 3:

Basics of Chatbots

Week 4:

The building blocks of chatbots

Week 5:

Design thinking for chatbots

Week:6

Chatbot channels. How to choose a channel for your chatbots

Week: 7

Chatbot welcome message

Week 8:

How chatbots process and understand human language

Week 9:

How to create user friendly chatbots error messages

Week 10:

Data collection with chatbots

Week 11:

How to test your chatbot

Week 12:

professional chatbot designer. Build stellar bots without coding

Week 13:

Chatbot implementation

Week 14:

Chatbot Analytics

Week 15:

Principles and guidelines for chatbot

Text Books:

1. Chatbots: An Introduction And Easy Guide To Making Your Own

Oisin Muldowney

2. Chatbots for eCommerce: Learn how to build a virtual shopping assistant

Amit Kothari (Author), Rania Zyane (Author), Joshua Hoover (Author)

TKR COLLEGE OF ENGINEERING & TECHNOLOGY
B. TECH II YEAR [R20]
VALUE ADDED COURSE NOMINAL ROLL
DEPARTMENT OF CSE(AI&ML)

Academic Year

Date of Course

Course Name

CHATBOTS

S. NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
1	21K91A6601	ALLA VARSHITH REDDY	[Signature]
2	21K91A6602	ALLAKONADA SIDDHARTHA	[Signature]
3	21K91A6603	ALLURI V S KOUSIK	[Signature]
4	21K91A6604	ARRA LIKHITHA	[Signature]
5	21K91A6605	ATLA SAI CHARAN	[Signature]
6	21K91A6606	BADDAM NITHIN REDDY	[Signature]
7	21K91A6608	BANDI AKHIL GOUD	[Signature]
8	21K91A6609	BANOOTH ANIL KUMAR	[Signature]
9	21K91A6610	BANOOTHU RAKESH	[Signature]
10	21K91A6611	BATTULA MEGHANAADH REDDY	[Signature]
11	21K91A6612	BEJU SHYAM	[Signature]
12	21K91A6613	BHUKYA PAVANI	[Signature]
13	21K91A6614	BODDU RISHWITHA	[Signature]
14	21K91A6615	BODDU THANMAY TEJ	[Signature]
15	21K91A6616	BODDUPALLY CHARAN SHASTHA TEJA	[Signature]
16	21K91A6617	BOMMIDI HARISH	[Signature]
17	21K91A6618	BURRA SAIKRISHNA	[Signature]
18	21K91A6619	CHAKALI SAI RAM	[Signature]
19	21K91A6620	CHAKILLA SREEJA	[Signature]
20	21K91A6621	CHAMAKURA SRIYA	[Signature]
21	21K91A6622	CHATLA CHETAN KUMAR	[Signature]
22	21K91A6623	CHINTHALA GUNADEEP	[Signature]
23	21K91A6624	CHINTHALA LALITHA	[Signature]
24	21K91A6625	CHUNDURI VANI VIJAYA LAKSHMI	[Signature]
25	21K91A6626	D ANJANI SRI CHANDRIKA	[Signature]
26	21K91A6627	D PRIYANKA	[Signature]
27	21K91A6628	DESHPEDDY DEEKSHITHA	[Signature]
28	21K91A6629	DOSAPATI VISHNU TEJA	[Signature]
29	21K91A6630	ENDARAPU SONY	[Signature]
30	21K91A6631	ENUGU SAKETH REDDY	[Signature]
31	21K91A6632	ESLAVATH SAI KUMAR	[Signature]
32	21K91A6633	G SHASHANK GOUD	[Signature]
33	21K91A6634	GAJELLI VASANTH	[Signature]
34	21K91A6635	GANTA HASINI REDDY	[Signature]
35	21K91A6636	GATLA SAATHVIK	[Signature]
36	21K91A6637	GATTU HARSHITHA	[Signature]
37	21K91A6638	GOLLAMANDALA SHIREESHA	[Signature]
38	21K91A6639	GOVU PARAMESHWAR	[Signature]
39	21K91A6640	GUDURI VISHAAL KUMAR	[Signature]
40	21K91A6641	GUJARI ANITHA	[Signature]

S. NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
41	21K91A6642	GUMMULA ADARSH	Adarsh.
42	21K91A6643	GUNTHA MANIDEEP	G. Manideep
43	21K91A6644	GUNTI AISHWARYA	G. Aishwarya
44	21K91A6645	GUVVALA SAGAR	G. Sagar
45	21K91A6646	HANUMANTHULA HARIKA	H. Harika
46	21K91A6647	HARIPURI SAI RAM	Sai Ram
47	21K91A6648	HARSHAVARDHAN KANCHANAKUNTLA	H. Harshavardhan
48	21K91A6649	IRFAN KHAN	Irfan
49	21K91A6650	JALE VENKAT SAI	Venkat Sai
50	21K91A6651	JANGAPALLI SATHISH	Sathish
51	21K91A6652	JARUGUMALLI VIJAYA KUMAR	Vijaya
52	21K91A6653	K HARSHINI	Harshini
53	21K91A6654	K SAI SANDEEP REDDY	Sandeep
54	21K91A6655	KAILA PERSIS PRIYANKA	Priyanka
55	21K91A6656	KALAPALA VENKATRATAN VISHAL	V. Vishal
56	21K91A6657	KALIGITHI ROHAN ABISHAY	Rohan + Abishay
57	21K91A6658	KAMERA HRUDAY	Hruday
58	21K91A6659	KAMSALI ADITYA CHARY	+ Aditya
59	21K91A6660	KANDADI VENKATESH	Venkatesh
60	21K91A6661	KANDIKONDA ABHINAV	Abhinav
61	21K91A6662	KANDULA AKSHAY KUMAR	Akshay
62	21K91A6663	KANEBOINA CHANDANA	K. Chandana
63	21K91A6664	KANGE SAMARTH	Samarth
64	21K91A6665	KANISHK SHERI	Sheri
65	22K95A6601	ANDEM ISHWARYA	A. Ishwarya
66	22K95A6602	CHITRAM SHIVA PRASAD	Ch. Shiva Prasad
67	22K95A6603	DHROW GODLA	Dhrow
68	22K95A6604	GABBETA CHANDHU	Chandhu
69	22K95A6605	GUJJULA SMILY	G. Smily
70	22K95A6606	K.SOUJANYA	K. Soujanya


HoD


Principal

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TKR COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CSE(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

DATE

COURSE NAME

I. I. S. CHATBOTS

S.No.	Roll No.	Name of the Student	Signature
1	21K91A6666	KATIGA NITHIN KUMAR	Nithin
2	21K91A6667	KATRALA DILEEP	Dileep
3	21K91A6668	KETHIRI SUSRITH REDDY	Srith
4	21K91A6669	KOMANPALLI VIGNESH	Vignesh
5	21K91A6670	KOMMIDI KARTHIK REDDY	Karthik
6	21K91A6671	KONDA MAHESH	Mahesh
7	21K91A6672	KOPPULA NITHIN REDDY	Koppula Nithin Reddy
8	21K91A6673	KORRA GOVARDHAN	Govardhan
9	21K91A6674	KOTHI UDAY	Uday
10	21K91A6675	KOYYADI SRIVAISHNAVI	Kooyadi
11	21K91A6676	LINGIDI MANASA VYBHAVI	Manasa
12	21K91A6677	MADHANI NAVEENA	M. Naveena
13	21K91A6678	MALKAM SATHVIK	Sathvik
14	21K91A6679	MANDAPURAM DIVYA	Divya
15	21K91A6680	MANGALARAPU SRIKANTH	Srikanth
16	21K91A6681	MEDA VENKATA PRANAY KUMAR REDDY	Pranay
17	21K91A6682	MEKALA CHAITANYA	Chaitanya
18	21K91A6683	MITTAGADAPALA ABHISHEK	Abhishek
19	21K91A6684	MOHAMMAD ABDUL ALHASAN	Abdul
20	21K91A6685	MOHAMMAD AFROZ	Afroz
21	21K91A6686	MOHAMMAD RIYAZ	Riyaz M.D.
22	21K91A6687	MOHAMMAD YOUSUF	Yousuf
23	21K91A6688	MOHAMMED AFFAN ULLAH KHAN	Affan
24	21K91A6689	MUDDASANI ROHITH	Rohith
25	21K91A6690	MUKKA KAMALNATH REDDY	Kamal Nath
26	21K91A6691	MUPPA MANVITH REDDY	Manvith
27	21K91A6692	MUSKULA BHAVANA	M. Bhavana
28	21K91A6693	NAGESH ARAVIND	Aravind
29	21K91A6694	NANDEDAPU SRISHANTH	Srishanth
30	21K91A6695	NAROJU NIVAS	Nivas
31	21K91A6696	NEROJU PALLAVI	N. Pallavi
32	21K91A6698	NYAMATHABAD DHEERAJ	Dheeraj
33	21K91A6699	P VENKATRAM REDDY	Venkath
34	21K91A66A0	PABBA ADARSH	P. Adarsh
35	21K91A66A1	PAKALA KRISHNAVENI	Krishna
36	21K91A66A2	PANGULURI ROHINI	Rohini
37	21K91A66A3	PAPARAJU HYNDHAVI	Haindavi

S.No.	Roll No.	Name of the Student	Signature
38	21K91A66A4	PINGALI RANADHEER REDDY	Reddy P
39	21K91A66A5	PONAGANTI VEERA VAMSHI KRISHNA	Vamsi
40	21K91A66A6	POTHUNUKA VASU DEVARAJU	P. Vasu
41	21K91A66A7	PULI MANOTEJA	P-Mano
42	21K91A66A8	R NIKITHA	Nikitha
43	21K91A66A9	RACHURI SAI ROHAN	Sai Rohan
44	21K91A66B0	RAVIRALA PAVANI	Pavani
45	21K91A66B1	REDDAM SRILEKHA	R. Srilekha
46	21K91A66B2	SABESAN ADITYA	Aditya
47	21K91A66B3	SAFA NAAZ	Safa
48	21K91A66B4	SHANMUKI KONDAPELLI	Shanmuki
49	21K91A66B5	SHIGA JANARDHAN	S. Janardhan
50	21K91A66B6	SIRAMONI KARTHIK	S. Karthik
51	21K91A66B7	SOMA GAYATHRI B	Soma
52	21K91A66B8	SOWDOJU BHAVANI	Bhavani
53	21K91A66B9	SUGURU SAI AKSHITHA	Akhitha
54	21K91A66C0	SUNKA MANOJ KUMAR	Manoj
55	21K91A66C1	SUNKARI NEHA PATEL	Neha Patel
56	21K91A66C2	TADURI ANUSHKA	Anushka
57	21K91A66C3	TANDRA SANJAY KUMAR	Sanjay
58	21K91A66C4	THOTA ARJUN PATEL	Arjun
59	21K91A66C5	THOTAKURA RAVITEJA	Ravi
60	21K91A66C6	UDATHANENI LIKAR BALAJI	Balaji
61	21K91A66C7	UDUGULA KARTHIK	Karthik
62	21K91A66C8	VUPPALA HANISH REDDY	Hanish
63	21K91A66C9	VUTTHURI PURNA CHANDER	Chander
64	22K95A6607	LOMADA OM SRI KRISHNA	Om Sri
65	22K95A6608	MOHAMMED SUFIYAN	Sufiyan
66	22K95A6609	P.GOURI PRIYA	Gouri
67	22K95A6610	PANYALA SHIVA SAMPATH REDDY	Shiva
68	22K95A6611	PERNA THARUN	Tharun
69	22K95A6612	SAMA PAVAN KUMAR REDDY	Pavan
70	22K95A6613	SHAIK SAMREEN	Samreen
71	22K95A6614	THALABATHULA SHANMUKH	SHANMUKH


HOD


PRINCIPAL

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-57.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

Accredited by NAAC with 'A+' Grade

Recognized by TDR Educational Society, Approved by AICTE, Affiliated to JNTU(H)

Medak, Hyderabad, Telangana - 500097

Phone: 020677796, email: tkrcet@tkr.ac.in, web site: www.tkr.ac.in



DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

ACADEMIC YEAR

COURSE NAME

DATE OF COURSE

SNO	HT NO	NAME OF THE STUDENT	SIGNATURE
1	20K91A6601	AJLA PRANEETH	A. Praneeth
2	20K91A6602	B SAI SHARANYA	Bharany
3	20K91A6603	BADDAM RAKESH	Raj
4	20K91A6604	BEERAM LKHIL REDDY	B. Lakshil
5	20K91A6605	BEGARI SANDEEP KUMAR	Sandeep
6	20K91A6606	BIJULA AKSHITHA	B. Akshitha
7	20K91A6607	BODDU DATTA SAI	B. Datta
8	20K91A6608	BURKASAMUDRAMU ANJANI	Anjani
9	20K91A6609	CHALLA SHIVA RAJ	Shiva Raj
10	20K91A6610	CHANDRA LEKHA JOSHI	Chandralekha
11	20K91A6611	CHELLOJU SREEHITHA	Ch. Sreehitha
12	20K91A6612	CHEPURI PRAVALLIKA	P. Pravalika
13	20K91A6613	CHINTHAPALLI SRENI	Sreni
14	20K91A6614	CHIRIGIRI KOUSHIK REDDY	Chirigiri
15	20K91A6615	CHITIMELLY SOWMYA	Sowmya
16	20K91A6616	GADDAM ASHWINI	Ashwini
17	20K91A6617	GAJI VENU	Venu
18	20K91A6618	GONURU RAKSHITA	G. Rakshita
19	20K91A6619	GUJARATHI RAJ GANESH	Raj Ganesh
20	20K91A6620	GUNDREDDY VINEETH REDDY	Vineeth
21	20K91A6621	JAJULA HEMANTH SAI KUMAR	Hemant
22	20K91A6622	KADAVERU SRIVANI	Srivani
23	20K91A6623	KASHIMALLA SHARMILA	K. Sharmila
24	20K91A6624	KATOJU GANESH	K. Ganesh
25	20K91A6625	KATTI YAMINI	K. Yamini
26	20K91A6626	KODIGANTI HARSHINI REDDY	Harshini
27	20K91A6627	KOLLU GOKUL KRISHNA NANDHA SAI	Gokul
28	20K91A6628	KOSIREDDY NEHA REDDY	Neha
29	20K91A6629	KUKUDALA MAHA LAXMI	Maha
30	20K91A6630	LOLAM ADARSH	Adarsh

SLNO	HT NO	NAME OF THE STUDENT	SIGNATURE
31	20K91A6631	MANDADI AKASH REDDY	M. Ash
32	20K91A6632	MUCHIPALLI ASUTOSH JAYANTH	M.A. Jayanth
33	20K91A6633	MUPPA VARAM SRIKIRAN	M. Sri Kiran
34	20K91A6634	MUSKU VISHNU VARDHAN REDDY	Musku Vardhan
35	20K91A6635	PADAKANTI VJAYCHARY	
36	20K91A6636	PALADI VAISHNAVI	P. Vaishnavi
37	20K91A6637	PEDDINTI VARUN TEJA	P. Varun
38	20K91A6638	PONNALA HARSHA VARDHAN	
39	20K91A6639	PONNOTI SAI KUMAR	P. Sai Kumar
40	20K91A6640	SANGEM ABHIRAM	S. Abhiram
41	20K91A6641	SRI PADA NANDINI PRIYA	S. Nandini Priya
42	20K91A6642	SWARGAM VAISHNAVI	S. Vaishnavi
43	20K91A6643	T.K.N.L. KRISHNA VAMSHI	T.K.N.L. Krishna Vamshi
44	20K91A6644	THATIKONDA ABHINANDAN REDDY	Abhinandan
45	20K91A6645	UPPALA ABHISHAKE	U. Abhishek
46	20K91A6646	UPPUNUNTHALA BHAVITHA	U. Bhavitha
47	20K91A6647	V.SRI CHAKRA VARA PRASAD	V. Sri Chakra Varas Prasad
48	20K91A6648	YATTI RADHIKA	Y. Radhika
49	20K91A6649	YATTIKUNDALA SASANKAR	Y. Sasankar
50	20K91A6650	PAPPU SRILEKHA	P. Sri Lekha
51	20K91A6651	DARAM HONEY REDDY	D. Honey Reddy
52	20K91A6652	KOMMI SHANTHAN	K. Shanthan
53	20K91A6653	S VARSHITHI	S. Varshithi
54	20K91A6654	SANA NAVEEN KUMAR REDDY	S. Naveen Kumar Reddy
55	20K91A6655	GURJALA SAISMARAN GOUD	G. Saismaran Goud
56	21K95A6601	A BELAVANI SHANKER	A. Belavani Shanker
57	21K95A6602	A JASHWANTH REDDY	A. Jashwanth Reddy
58	21K95A6603	A YASHWANTH REDDY	A. Yashwanth Reddy
59	21K95A6604	BIDILA GANESI	B. Ganesh
60	21K95A6605	J SANDEEP	J. Sandeep
61	21K95A6606	MANDRE VAMSHI KRISHNA	M. Vamshi Krishna
62	21K95A6607	MOOD NITHIN	M. Nithin
63	21K95A6608	PATHAKOTA THARUN MAHENDRA	P. Tharun Mahendra
64	21K95A6609	V. RAJESH	V. Rajesh
65	22K98A6601	BIKKANDLA MADHU (TRANSFER)	B. Madhu

[Signature]
HOD

HEAD OF THE DEPARTMENT
Dept. of CSE (Artificial Intelligence & Machine Learning)
TKR College of Engineering & Technology
Meerpet, Hyderabad - 500 097

[Signature]
PRINCIPAL
Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Madbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)

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Accredited by NAAC with 'A Grade')



DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

To,

The Principal,
TKR College of Engineering and Technology,

Subject: Request for Permission to Conduct a Value-Added Course in AI for Cyber Security

Dear Principal,

I am writing to request your permission to conduct a value-added course in AI for Cyber Security for the IV & VI Semester students pursuing (CSE AI & ML) at our institution.

As we witness the rapid growth of technology and its integration into various fields, it is imperative for our students to be well-equipped with the latest knowledge and skills in order to excel in their chosen careers. We propose a "Value-Added Course in Artificial Intelligence for Cyber Security" to be offered exclusively to our students pursuing AI and Machine Learning (AI&ML) programs. Artificial Intelligence (AI) plays a crucial role in cyber security by enhancing the ability to detect, respond to, and mitigate cyber threats. Here are some key ways in which AI is used in cyber security:

This course is designed to bridge the gap between theoretical knowledge and practical application in the field of AI.

We believe that this value-added course will not only enhance the skills and knowledge of our AI&ML students but also make our institution more competitive and relevant in the educational landscape. The demand for AI professionals is growing exponentially, and offering such a course will undoubtedly set our students on a path to success.

We kindly seek your approval for the implementation of this value-added course, and we are prepared to provide any additional information or documentation required to support this request. We are confident that the course will contribute significantly to our students' academic and professional growth.

Thank you for considering our proposal. We look forward to your positive response and the opportunity to empower our students with valuable skills in AI for Cyber Security

Sincerely,

HoD

HEAD OF THE DEPARTMENT
Dept. of CSE (Artificial Intelligence & Machine Learning)
T.K.R. College of Engineering & Technology
Meerpet, Hyderabad - 500 097

Principal

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

2022-23

AI for CYBER SECURITY



VALUE ADDED COURSE OFFERED BY DEPARTMENT OF CSE (AI&ML)

Artificial Intelligence (AI) is revolutionizing cyber security by bolstering defenses against evolving threats and enhancing response capabilities. Leveraging advanced algorithms and machine learning techniques, AI empowers cyber security systems to detect, prevent, and mitigate cyber attacks more effectively than ever before. One of the key applications of AI in cyber security is threat detection. Traditional signature-based methods are limited in their ability to identify novel threats. AI algorithms, however, excel at recognizing patterns and anomalies in vast amounts of data, enabling the detection of previously unseen attacks. Through continuous analysis of network traffic, user

behavior, and system activity, AI-driven systems can identify suspicious activities indicative of potential threats in real-time.

Moreover, AI enhances threat prevention by enabling proactive measures to mitigate risks before they escalate. By analyzing historical data and trends, AI algorithms can anticipate potential vulnerabilities and recommend security enhancements. This predictive capability helps organizations stay ahead of emerging threats and fortify their defenses against cyber attacks. In incident response, AI streamlines the process of identifying and containing security breaches. Automated systems powered by AI can rapidly analyze


Principal

TKR College of Engineering & Technology

AI FOR CYBER SECURITY

Course Objectives:

Learners can able to understand AI cyber-attacks with various types of cybercrimes, cyber laws and also how to protect them self using AI technology.

Course Outcomes:

Upon completion of the course, the students will be able to:

- Understand the ethical considerations and challenges associated with AI in Cyber Security
- Understand the concepts in Deep Learning
- Learn various cyber security analysis in AI
- Ability to apply AI with its learning models in cyber security issues

Week 1:

Introduction to AI, Problems in AI - Problem as a State Space Search 2 Hours

Week 2:

Production Systems, Problem Characteristics, Production System Characteristics 2 Hours

Week 3:

Heuristic Search Techniques: Generate and Test, Hill Climbing, Best First Search 2 Hours

Week 4:

Problem Reduction, Constraint Satisfaction 2 Hours

Week 5:

Means ends Analysis, Security Issues: Security, Challenges and Promises 2 Hours

Week 6:

Security Threats of Artificial Intelligence, Use-Cases: Artificial Intelligence Email Observing Programming in Python 2 Hours

Week 7:

Basics of manipulation of Data, Introduction to AI Learning Process 2 Hours

Week 8:

Error Correction Learning, Memory Based Learning 2 Hours

Week 9:

Hebbian Learning, Competitive Learning, Boltzmann Learning, Credit Assignment Problem 2 Hours

Week 10:

Teacher, learning without a Teacher, Learning Tasks, Memory, Adaption Learning 2 Hours

Week 11: Statistical nature of the Learning Process , Deep Learning in Security	2 Hours
Week 12: Introduction to deep learning, Cyber Security Mechanisms Using Deep Learning Algorithms	2 Hours
Week 13: Applying deep learning in various use cases , Network Cyber threat Detection	2 Hours
Week 14: Artificial Intelligence in Cyber Security, Model Stealing & Watermarking	2 Hours
Week 15: Malware Analysis, Network Traffic Analysis	2 Hours

Text Books:

1. Gupta, Brij B., and Quan Z. Sheng, eds. Machine learning for computer and cyber security: principle, algorithms, and practices. CRC Press, 2019.
2. Artificial Intelligence and Data Mining Approaches in Security Frameworks
Editor(s):Neeraj Bhargava, Ritu Bhargava, Pramod Singh Rathore, Rashmi Agrawal, 2021.
3. Tsai, Jeffrey JP, and S. Yu Philip, eds. Machine learning in cyber trust: security, privacy, and reliability. Springer Science & Business Media, 2009.
4. Nina Godbole and Sunit Belpure, Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives, Wiley Publications.
5. Stuart Russell and Peter Norvig. —Artificial Intelligence-A Modern Approach ", 2nd Edition, Pearson Education/ Prentice Hall of India, 2004


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TKR COLLEGE OF ENGINEERING & TECHNOLOGY
B. TECH II YEAR [R20]
VALUE ADDED COURSE NOMINAL ROLL
DEPARTMENT OF CSE(AI&ML)

Academic Year


Date of Course

Course Name AI for Cyber Security

S. NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
1	21K91A6601	ALLA VARSHITH REDDY	Varshith
2	21K91A6602	ALLAKONADA SIDDHARTHA	Siddhartha
3	21K91A6603	ALLURI V S KOUSIK	Akousik
4	21K91A6604	ARRA LIKHITHA	Likhitha
5	21K91A6605	ATLA SAI CHARAN	Sai Charan
6	21K91A6606	BADDAM NITHIN REDDY	Nithin
7	21K91A6608	BANDI AKHIL GOUD	Akhil
8	21K91A6609	BANOTH ANIL KUMAR	Anil
9	21K91A6610	BANOTHU RAKESH	Rakesh
10	21K91A6611	BATTULA MEGHANAADH REDDY	Megha
11	21K91A6612	BEJU SHYAM	Shyam
12	21K91A6613	BHUKYA PAVANI	Pavani
13	21K91A6614	BODDU RISHWITHA	Rishwita
14	21K91A6615	BODDU THANMAY TEJ	Thanmay
15	21K91A6616	BODDUPALLY CHARAN SHASTHA TEJA	Charan
16	21K91A6617	BOMMIDI HARISH	Harish
17	21K91A6618	BURRA SAIKRISHNA	Sai Krishna
18	21K91A6619	CHAKALI SAI RAM	Sai Ram
19	21K91A6620	CHAKILLA SREEJA	Sreeja
20	21K91A6621	CHAMAKURA SRIYA	Ch. Sriya
21	21K91A6622	CHATLA CHETAN KUMAR	Chetan
22	21K91A6623	CHINTHALA GUNADEEP	C. Gunadeep
23	21K91A6624	CHINTHALA LALITHA	Ch. Lalitha
24	21K91A6625	CHUNDURI VANI VIJAYA LAKSHMI	Vani
25	21K91A6626	D ANJANI SRI CHANDRIKA	Anjani
26	21K91A6627	D PRIYANKA	Priyanka
27	21K91A6628	DESHPEDDY DEEKSHITHA	Deekshitha
28	21K91A6629	DOSAPATI VISHNU TEJA	Vishnu
29	21K91A6630	ENDARAPU SONY	Sony
30	21K91A6631	ENUGU SAKETH REDDY	Saketh
31	21K91A6632	ESLAVATH SAI KUMAR	Sai Kumar
32	21K91A6633	G SHASHANK GOUD	Shashank
33	21K91A6634	GAJELLI VASANTH	Vasanth
34	21K91A6635	GANTA HASINI REDDY	Hasini
35	21K91A6636	GATLA SAATHVIK	Saathvik
36	21K91A6637	GATTU HARSHITHA	G. Harshitha
37	21K91A6638	GOLLAMANDALA SHIREESHA	G. Shireesha
38	21K91A6639	GOVU PARAMESHWAR	Parameswar
39	21K91A6640	GUDURI VISHAAL KUMAR	Vishaal
40	21K91A6641	GUJJARI ANITHA	Anitha

S. NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
41	21K91A6642	GUMMULA ADARSH	Adarsh
42	21K91A6643	GUNTHA MANIDEEP	G. Manideep
43	21K91A6644	GUNTI AISHWARYA	G. Aishwarya
44	21K91A6645	GUVVALA SAGAR	Sagar
45	21K91A6646	HANUMANTHULA HARIKA	H. Harika
46	21K91A6647	HARIPURI SAI RAM	S. Sai Ram
47	21K91A6648	HARSHAVARDHAN KANCHANAKUNTLA	H. Harshavardhan
48	21K91A6649	IRFAN KHAN	I. Irfan Khan
49	21K91A6650	JALE VENKAT SAI	J. Venkat Sai
50	21K91A6651	JANGAPALLI SATHISH	J. Sathish
51	21K91A6652	JARUGUMALLI VIJAYA KUMAR	J. Vijaya Kumar
52	21K91A6653	K HARSHINI	K. Harshini
53	21K91A6654	K SAI SANDEEP REDDY	K. Sai Sandeep Reddy
54	21K91A6655	KAILA PERSIS PRIYANKA	K. Persis Priyanka
55	21K91A6656	KALAPALA VENKATRATAN VISHAL	K. Venkatratan Vishal
56	21K91A6657	KALIGITHI ROHAN ABISHAY	K. Rohan Abishay
57	21K91A6658	KAMERA HRUDAY	K. Hruday
58	21K91A6659	KAMSALI ADITYA CHARY	K. Aditya Chary
59	21K91A6660	KANDADI VENKATESH	K. Venkatesh
60	21K91A6661	KANDIKONDA ABHINAY	K. Abhinay
61	21K91A6662	KANDULA AKSHAY KUMAR	K. Akshay Kumar
62	21K91A6663	KANEBOINA CHANDANA	K. Chandana
63	21K91A6664	KANGE SAMARTH	K. Samarth
64	21K91A6665	KANISHK SHERI	K. Kanishk Sheri
65	22K95A6601	ANDEM ISHWARYA	A. Ishwarya
66	22K95A6602	CHITRAM SHIVA PRASAD	C. Shiva Prasad
67	22K95A6603	DHROW GODLA	D. Godla
68	22K95A6604	GABBETA CHANDHU	G. Chandhu
69	22K95A6605	GUJJULA SMILY	G. Smily
70	22K95A6606	K.SOUJANYA	K. Soujanya


HoD


Principal
TKR College of Engineering & Technology
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TKR COLLEGE OF ENGINEERING & TECHNOLOGY

B. TECH II YEAR [20]
VALUE ADDED COURSE NOMINAL ROLL
DEPARTMENT OF CSE(AI&ML)

Academic Year

Date of Course

Course Name *AI for cyber security*

S.NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
1	21K91A6666	KATIGA NITHIN KUMAR	<i>Nithin</i>
2	21K91A6667	KATRALA DILEEP	<i>Dileep</i>
3	21K91A6668	KETHIRI SUSRITH REDDY	<i>Susri</i>
4	21K91A6669	KOMANPALLI VIGNESH	<i>Vignesh</i>
5	21K91A6670	KOMMIDI KARTHIK REDDY	<i>K. Karthi Reddy</i>
6	21K91A6671	KONDA MAHESH	<i>Chandrababu</i>
7	21K91A6672	KOPPULA NITHIN REDDY	<i>Nithin</i>
8	21K91A6673	KORRA GOVARDHAN	<i>K. Govardhan</i>
9	21K91A6674	KOTHI UDAY	<i>K. Uday</i>
10	21K91A6675	KOYYADI SRIVAISHNAVI	<i>Srivaishnavi</i>
11	21K91A6676	LINGIDI MANASA VYBHAVI	<i>Manasa</i>
12	21K91A6677	MADHANI NAVEENA	<i>M. Naveena</i>
13	21K91A6678	MALKAM SATHVIK	<i>Sathvik</i>
14	21K91A6679	MANDAPURAM DIVYA	<i>M. Divya</i>
15	21K91A6680	MANGALARAPU SRIKANTH	
16	21K91A6681	MEDA VENKATA PRANAY KUMAR REDDY	<i>M. Venkatarayana</i>
17	21K91A6682	MEKALA CHAITANYA	<i>Chaitanya</i>
18	21K91A6683	MITTAGADAPALA ABHISHEK	<i>Abhishek</i>
19	21K91A6684	MOHAMMAD ABDUL ALHASAN	<i>M. Alhasan</i>
20	21K91A6685	MOHAMMAD AFROZ	
21	21K91A6686	MOHAMMAD RIYAZ	<i>Md. Riyaaz</i>
22	21K91A6687	MOHAMMAD YOUSUF	<i>Md. Yousof</i>
23	21K91A6688	MOHAMMED AFFAN ULLAH KHAN	<i>M. Affan</i>
24	21K91A6689	MUDDASANI ROHITH	<i>Rohith</i>
25	21K91A6690	MUKKA KAMALNATH REDDY	<i>Kamalnath</i>
26	21K91A6691	MUPPA MANVITHI REDDY	<i>Manvithi</i>
27	21K91A6692	MUSKULA BHAVANA	<i>M. Bhavana</i>
28	21K91A6693	NAGESH ARAVIND	<i>Nagesh</i>
29	21K91A6694	NANDEDAPU SRISHANTH	<i>Srishanth</i>
30	21K91A6695	NAROJU NIVAS	<i>N. Nivas</i>
31	21K91A6696	NEROJU PALLAVI	<i>N. Pallavi</i>
32	21K91A6698	NYAMATHABAD DHEERAJ	<i>N. Dheeraj</i>
33	21K91A6699	P VENKATRAM REDDY	<i>Venkatram</i>
34	21K91A66A0	PABBA ADARSH	<i>P. Adarsh</i>
35	21K91A66A1	PAKALA KRISHNAVENI	<i>P. Krishna Veni</i>
36	21K91A66A2	PANGULURI ROHINI	<i>P. Rohini</i>
37	21K91A66A3	PAPARAJU HYNDHAVI	<i>P. Hyndhavi</i>
38	21K91A66A4	PINGALI RANADHEER REDDY	<i>P. Ranadheer</i>
39	21K91A66A5	PONAGANTI VEERA VAMSHI KRISHNA	<i>P. Venkatesh</i>
40	21K91A66A6	POTHUNUKA VASU DEVARAJU	<i>P. Vasu</i>
41	21K91A66A7	PULI MANOTEJA	<i>P. Manoteja</i>

S.NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
42	21K91A66A8	R NIKITHA	R. Nikitha
43	21K91A66A9	RACHURI SAI ROHAN	Rachuri Sai Rohan
44	21K91A66B0	RAVIRALA PAVANI	Ravirala Pavani
45	21K91A66B1	REDDAM SRILEKHA	Reddam Srilekha
46	21K91A66B2	SABESAN ADITYA	S. Aditya
47	21K91A66B3	SAFA NAAZ	Safa Naaz
48	21K91A66B4	SHANMUKI KONDAPELLI	Shanmuki Kondapelli
49	21K91A66B5	SHIGA JANARDHAN	Shiga Janardhan
50	21K91A66B6	SIRAMONI KARTHIK	Siramoni Karthik
51	21K91A66B7	SOMA GAYATHRI B	Soma Gayathri B
52	21K91A66B8	SOWDOJU BHAVANI	Sowdoju Bhavani
53	21K91A66B9	SUGURU SAI AKSHITHA	Suguru Sai Akshitha
54	21K91A66C0	SUNKA MANOJ KUMAR	S. Manoj Kumar
55	21K91A66C1	SUNKARI NEHA PATEL	Sunkari Neha Patel
56	21K91A66C2	TADURI ANUSHKA	Taduri Anushka
57	21K91A66C3	TANDRA SANJAY KUMAR	Tandra Sanjay Kumar
58	21K91A66C4	THOTA ARJUN PATEL	Thota Arjun Patel
59	21K91A66C5	THOTAKURA RAVITEJA	Thotakura Raviteja
60	21K91A66C6	UDATHANENI LIKAR BALAJI	Udathaneni Likar Balaji
61	21K91A66C7	UDUGULA KARTHIK	Udugula Karthik
62	21K91A66C8	VUPPALA HANISH REDDY	Vuppala Hanish Reddy
63	21K91A66C9	VUTTHURI PURNA CHANDER	Vutthuri Purna Chander
64	22K95A6607	LOMADA OM SRI KRISHNA	Lomada Om Sri Krishna
65	22K95A6608	MOHAMMED SUFIYAN	Mohammed Sufiyan
66	22K95A6609	P. GOURI PRIYA	P. Gouri Priya
67	22K95A6610	PANYALA SHIVA SAMPATH REDDY	Panyala Shiva Sampath Reddy
68	22K95A6611	PERNA THARUN	Perna Tharun
69	22K95A6612	Pavan Kumar Reddy	Pavan Kumar Reddy
70	22K95A6613	SHAIK SAMREEN	Shaik Samreen
71	22K95A6614	THALABATHULA SHANMUKH	Thalabathula Shanmukh

Bus
HoD

Principal
Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

AN AUTONOMOUS INSTITUTION

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Medak, Medchal, Balapur, Hyderabad, Telangana - 500087

Phone: 9200777792, email: info@tkr.ac.in, web site: www.tkr.ac.in



DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

ACADEMIC YEAR

COURSE NAME

DATE OF COURSE

SLNO	HT NO	NAME OF THE STUDENT	SIGNATURE
1	20K91A6601	AILA PRANEETH	A Praneeth
2	20K91A6602	B SAI SHARANYA	Bharanika
3	20K91A6603	BADDAM RAKESH	Rak
4	20K91A6604	BEERAM LIKHIL REDDY	Lx
5	20K91A6605	BEGARI SANDEEP KUMAR	Sandeep
6	20K91A6606	BIJULA AKSHITHA	B. Akshitha
7	20K91A6607	BODDU DATTA SAI	B. Dattasai
8	20K91A6608	BUKKASAMUDRAMU ANJANI	Anjani
9	20K91A6609	CHALLA SHIVA RAJ	Shiva
10	20K91A6610	CHANDRA LUKHA JOSHI	Chandrasekha
11	20K91A6611	CHELLOJU SREEHITHA	Ch. Sreehitha
12	20K91A6612	CHEPURI PRAVALLIKA	Pravallika
13	20K91A6613	CHINTHAPALLISRENI	Sreni
14	20K91A6614	CHRIGIRI KOUSHIK REDDY	Koushik
15	20K91A6615	CHITIMELLY SOWMYA	Sowmya
16	20K91A6616	GADDAM ASHWINI	Ashwini
17	20K91A6617	GAJI VENU	Venu
18	20K91A6618	GONURU RAKSHITA	Rakshita
19	20K91A6619	GUJARATHI RAJ GANESH	Raj Ganesh
20	20K91A6620	GUNDREDDY VINETH REDDY	Vineth
21	20K91A6621	JAJULA HEMANTH SAI KUMAR	Hemant
22	20K91A6622	KADAVERU SRIVANI	Srivani
23	20K91A6623	KASHIMALLA SHARMILA	K. Shait
24	20K91A6624	KATOJU GANESH	K. Ganesh
25	20K91A6625	KATTI YAMINI	K. Yamini
26	20K91A6626	KODIGANTI HARSHINI REDDY	Harshini
27	20K91A6627	KOLLI GOKUL KRISHNA NANDRA SAI	Gokul
28	20K91A6628	KOSIREDDY NEHA REDDY	Neha
29	20K91A6629	KUKUDALA MAHA LAXMI	Mahef
30	20K91A6630	LOJAM ADARSH	

SLNO	HT NO	NAME OF THE STUDENT	SIGNATURE
31	20K91A6631	MANDADI AKASH REDDY	M. Ash
32	20K91A6632	MUCHIPALLI ASUTOSH JAYANTH	M.A. Jayanth
33	20K91A6633	MUPPAVARAM SRIKIRAN	M. Srikiran
34	20K91A6634	MUSKU VISHNU VARDHAN REDDY	Musku
35	20K91A6635	PADAKANTI VIJAYCHARY	P. Vijay
36	20K91A6636	PALADI VAISHNAVI	P. Vaishnavi
37	20K91A6637	PEDDINTI VARUN TEJA	Varun
38	20K91A6638	PONNALA HANISHA VARDHAN	P. Hanisha
39	20K91A6639	PONNOTI SAI KUMAR	P. Sai Kumar
40	20K91A6640	SANGEM ABHIRAM	S. Abhiram
41	20K91A6641	SRIPADA NANDINI PRIYA	Nandini Priya
42	20K91A6642	SWARGAM VAISHNAVI	S. Vaishnavi
43	20K91A6643	T K N L KRISHNA VAMSHI	Vamshi
44	20K91A6644	THATIKONDA ABHINANDAN REDDY	Abhinandan
45	20K91A6645	UPPALA ABHISHAKE	U. Abhishek
46	20K91A6646	UPPUNUNTHALA BHAVITHA	U. Bhavitha
47	20K91A6647	V SRI CHAKRA VARA PRASAD	V. Prasad
48	20K91A6648	VATTI RADHIKA	R. Radhika
49	20K91A6649	VATTIKUNDALA SASANKAR	S. Sasankar
50	20K91A6650	PAPPU SRILEKHA	P. Srilekha
51	20K91A6651	DARAM HONEY REDDY	D. Honey Reddy
52	20K91A6652	KOMMI SHANTHAN	K. Shanthan
53	20K91A6653	S VARSEETHI	S. Varshithi
54	20K91A6654	SANA NAVEEN KUMAR REDDY	S. Naveen Kumar Reddy
55	20K91A6655	GURUDALA SAISMARAN GOLD	G. Saismaran Gold
56	21K95A6601	A BHAVANI SHANKER	A. Bhavani Shanker
57	21K95A6602	A JASHWANTH REDDY	A. Jashwanth Reddy
58	21K95A6603	A YASHWANTH REDDY	A. Yashwanth Reddy
59	21K95A6604	BIDILA GANESH	B. Ganesh
60	21K95A6605	J SANDEEP	J. Sandeep
61	21K95A6606	MANDRE VAMSHI KRISHNA	M. Vamshi Krishna
62	21K95A6607	MOOD NITHIN	M. Nithin
63	21K95A6608	PATILAKOTA THARUN MAHENDRA	P. Tharun Mahendra
64	21K95A6609	V. RAJESH	V. Rajesh
65	22K98A6601	BIRKANDOLA MADHU (TRANSFER)	B. Madhu

Sia
HoD

PRINCIPAL

Principal

TKR College of Engineering & Technology
(AUTONOMOUS)
Medhawal, Maarpet, Hyderabad-57.

HEAD OF THE DEPARTMENT
Dept. of CSE (Artificial Intelligence & Machine Learning)
TKR College of Engineering & Technology
Maarpet, Hyderabad - 500 097



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DEPARTMENT OF INFORMATION TECHNOLOGY

A.Y. 2022-23

1.3.2 Details of value-added courses for imparting transferable and life skills offered during the year 2022-23

1.3.3 Number of students enrolled in the courses under 1.3.2

Name of the value-added courses (with 30 or more contact hours) offered	Course Code, if any	No. of times offered during the year	Duration of course (in hours)	Number of students enrolled during the year	1.3.3 Number of students who completed the course during the year
MERN STACK	VACIT2201	1	30 Hrs	55	55
JAVA SCRIPT ESSENTIALS	VACIT2202	1	30 Hrs	55	55

Head of Department of Information Technology
TKR College of Engineering & Technology
Medbowl, Meerpet, Hyderabad- 500097-TS.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowl, Meerpet, Hyderabad-97.



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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 1-07-2023

To

The Principal,
TKRCET

Respected Sir,

Sub: Request for conducting Value Added Course-2022-23-Reg

The Department of the Information Technology is planning to organize a Value Added Course in "JAVASCRIPT ESSENTIALS". The faculty Mrs. M Jhansi Rani showing interest to take classes. In this connection, kindly give permission to organize the above program and also to take further steps in this regard.


Thanking you,

Yours sincerely


Dr. N. Satyanarayana,

Head of the Department

Head Dept. of Information Technology
TKR College of Engineering & Technology
Medbowli, Meerpet, Hyderabad- 500027-TS.


Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medbowli, Meerpet, Hyderabad-97.



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DEPARTMENT OF INFORMATION TECHNOLOGY A.Y - 2022-2023

Programme: B.Tech

Semester: VI & VIII

VALUE ADDED COURSE ON JAVASCRIPT ESSENTIALS

Course Objective:


- Aims to provide learners with a fundamental understanding of JavaScript programming language.
- Grasp how to control the flow of a program and create reusable blocks of code.
- Understand how to store and manipulate different types of data using arrays and objects.
- Gain the ability to interact with and modify web page elements.
- Learn how to fetch data from external sources.

Expected Outcomes:

The students will be able to

- To install JavaScript software (VS Code) .
- Control the flow of the Program
- Create reusable blocks of code
- Manipulate Data
- Build intelligent web applications and interact with Web pages
- Fetch data from external sources


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Medbowli, Meerpet, Hyderabad-97.

About the Course:

The course covered various topics starting from the basics of Java Script. The students are given hands on training during the practical sessions, where the students experience and understand how to install VS code software for JavaScript programming and learn how to summarize flow control.

The students perform simple programs to manipulate data and create reusable blocks during the practical sessions. Students also learn how to interact with the web pages and fetch data from it. Learn to build simple and complex on web pages and build intelligent web applications.

Topics to be delivered:

S.No.	Topic	Number of Hours required
1.	Introduction to JavaScript	1
2.	Variables and Data Types	1
3.	Operators and Expressions	1
4.	Control Flow	1
5.	Loops	2
6.	Functions	1
7.	Arrays	1
8.	Objects	1
9.	Document Object Model (DOM)	2
10.	Events	1
11.	Error Handling	1
12.	Working with Strings	1
13.	Working with Numbers	2
14.	Working with Dates	1
15.	JSON	2
16.	Browser Storage	2
17.	AJAX and APIs	1
18.	Debugging JavaScript	1
19.	JavaScript Best Practices	1
20.	JavaScript Libraries and Frameworks	2

21	Introduction to Node.js	1
22	JavaScript Testing	1
23	Asynchronous JavaScript	1
24	Project in Real-World Application	1

30

Teaching Materials

1. PPTs
2. Reference materials
 1. Effective JavaScript: 68 Specific Ways to Harness the Power of JavaScript – David Herman
 2. A Smarter Way to Learn JavaScript – Mark Myers
3. JavaScript: The Definitive Guide – David Flanagan
4. Web resources like e-tutorials
 - <https://www.javascript.com/>
 - <https://www.w3schools.com/js/default.asp>
 - <https://javascript.info/first-steps>
5. Additional Programming/Application Development problems
 - <https://www.javatpoint.com/javascript-example>

Resource Persons: 1. Mrs C Jaya Lakshmi, Associate Professor
2. Mr K Naresh, Assistant Professor



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Principal

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CHIEF PATRON

Shri. Teegala Krishna Reddy, Chairman

CO-PATRONS

- 1) Dr. T. Harinath Reddy, Secretary
- 2) Shri. T. Amamath Reddy, Treasurer

PATRONS

- 1) Dr. D. V. Ravi Shankar, Principal
- 2) Dr. A. Suresh Rao, HOD of CSE,
Vice Principal & Dean

CONVENOR

Dr. N. Satyanarayana, Professor
HOD-IT

CO-ORDINATOR

Dr. R. Murgunandam,
Professor

PROGRAM CO-ORDINATOR

Smt D Kavitha, Assistant Professor

ORGANIZING COMMITTEE

- 1) Mrs T Madhumathi, Assistant Professor
- 2) Mrs B. Shivani, Assistant Professor

VENUE

Seminar Hall
Department of Information Technology
TKRCET

CONTACT

Smt D Kavitha, Assistant Professor
8309977116



**VALUE ADDED COURSE
ON
JAVA SCRIPT ESSENTIALS**



RESOURCE PERSON

Smt M Jhansi Rani,
Assistant Professor

Organized by
**DEPARTMENT OF
INFORMATION TECHNOLOGY**
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS) - K3

(Approved by AICTE, Affiliated to JNTUH Accredited)

Medhovi, Meerpet(VIII.), Balapur(Mandal),
RR(Dist),
Telangana -500097

Head Dept. of Information Technology
TKR College of Engineering & Technology
Medhovi, Meerpet, Hyderabad-500097-75.

Principal
TKR College of Engineering & Technology
(AUTONOMOUS)
Medhovi, Meerpet, Hyderabad-97.

ABOUT THE COLLEGE:

TKR College of Engineering & Technology a modern temple of learning an off shoot of the TKR Educational Society was established in the year 2002 in a sprawling lush green 20-acre campus at Meerpet, Hyderabad. The college provides a serene and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the cut-throat global competition with a smile on the face and emerge victorious.

ABOUT THE DEPARTMENT:

Department of Information Technology has been established in the year 2006, is headed by Professor Dr. N. Satyanarayana. Under his mentorship, the Department is functioning salubriously. He has 26 years of Industrial & Teaching experience. The Department also has model classrooms with LCD projector for effective teaching.

VISION:

Department of Information Technology strives to mould professionals so as to meet the global needs of Industry as well as Research.

MISSION:

Ensuring a quality teaching learning process in which theoretical knowledge is practically implemented to solve the global issues.
Preparing the students for their career development to reach high peaks in multiple areas.

SCOPE:

The objective of this value-added course is to give students contemporary front-end development abilities, increasing their marketability to potential employers. B.Tech students can use Java Script to create web pages more interactive, giving them significant practical experience on real-world projects. Java Script proficiency can offer up work chances in web development and related industries, giving B.Tech students a competitive edge on the job market. Java Script's adaptability and popularity allow B.Tech students to work on a variety of projects and investigate different application development areas. Java Script, a well-liked and in-demand technology, helps B.Tech students to implement complex things on web pages and build intelligent web applications.

EXPECTED OUTCOMES:

The student will gain knowledge on

- Introduction to JavaScript
- Variables and Data Types
- Operators and Expressions
- Control Flow
- Loops
- Functions
- Arrays
- Objects
- Document Object Model (DOM)
- Events
- Error Handling
- Working with Strings
- Working with Numbers
- Working with Dates
- JSON
- Browser Storage
- AJAX and APIs
- Debugging JavaScript
- JavaScript Best Practices
- JavaScript Libraries and Frameworks
- Introduction to Node.js
- JavaScript Testing
- Asynchronous JavaScript
- Project in Real-World Application

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Value-Added Course

JAVA SCRIPT ESSENTIALS (VACIT2202)

The following students enrolled and attended to the above course:

A.Y.2022-23

S.No	Roll No.	Student Name	Signature
1	18K91A1215	CHIGULLAPALEE SWATHI	Swathi
2	19K91A1201	A MANEESHA	Mane
3	19K91A1202	ADLOLU UMAMAHESHWARI	Umanahshwar
4	19K91A1203	ANNAMANENI VARALAXMI	Vara
5	19K91A1205	ASHANNAGARI SREEJA REDDY	Sreeja
6	19K91A1206	BASADI PAVANI	pavani
7	19K91A1209	BOJJA NISHITHA	Nishi
8	19K91A1210	CHALLA GUNA SHEKHAR REDDY	Guna
9	19K91A1213	CHINNAPATLOLLA SRIJA REDDY	Srija
10	19K91A1214	ETIKALA MAHESH SAI	Mahesh
11	19K91A1216	GADIPALLI BHANU PRAKASH	Bhanu
12	19K91A1217	GOLI SINDHU	Sindhu
13	19K91A1219	HARSHITA JHA	Harshita Jha
14	19K91A1221	KALAKUNTLA SAI PRATHAP	Sai
15	19K91A1222	KOKKU SIRI	Siri
16	19K91A1223	KONDUTI ROHINI	Rohini
17	19K91A1227	MADDUR DURGAKSHARA	Durgakshara
18	19K91A1228	MADUGULA SAI KUMAR	Sai
19	19K91A1235	PALANKI HEMANTH	Hemant
20	19K91A1239	SAMBU MALLESH	Malles
21	19K91A1241	SOMISHETTI SAIKRUPA	Saikrupa
22	19K91A1242	SREENATH K	Sreenath
23	19K91A1246	THEEPIREDDY HAMPY	Hampy
24	19K91A1251	VITTEDE VARSHINI	Varshini
25	19K91A1257	JYOTHI VENKATA TEJESWAR REDDY	Tej
26	20K95A1204	MANOJ KUMAR ARIGACHETTA	Manoj
27	20K91A1201	ABDUL ABEED	Abdul
28	20K91A1210	CHINTHALA BHAVANI	Bhavani
29	20K91A1212	CHITLA SAI CHARAN REDDY	Sai Charan
30	20K91A1213	D VIKAS	Vikas
31	20K91A1214	DASARI PRIYADARSHINI	Priya
32	20K91A1216	DONGALA DEEPTHI	Deepthi
33	20K91A1217	DOOLAPALLY VIGNESHWAR CHARY	Vignesh
34	20K91A1219	EPPALAPALLY SHARATH CHANDRIKA	Sharath
35	20K91A1220	GADDAM RISHI	Rishi
36	20K91A1223	JADHAV MAYURI	Mayuri

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Principal
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Medbowli, Meerpet, Hyderabad-97.

S.No	Koll No.	Student Name	Signature
37	20K91A122 4	K ROHAN RAJ	Rohan
38	20K91A122 5	KALASHIKAN VISENU TEJA	Vishnu
39	20K91A122 7	KAMUNI SUDHAKAR	Sudhakar
40	20K91A123 0	KATKAR AKSHAY	Akshay
41	20K91A123 1	KETHAVATHAN	Ummade
42	20K91A123 4	KOMLA SAI	Sai Tharu
43	20K91A123 5	KOMMULA	Pranavika
44	20K91A123 9	MUNUGAPATI SAI	Saiju
45	20K91A124 2	NEERUDU HARISH	Harish
45	20K91A124 8	PITTA GRACIA	Gracia
47	20K91A125 0	RAMISHETTY NAGA BEMA	Hema
48	20K91A125 1	S CHEPNA	Cherana
49	20K91A125 3	SHAIK	Shak
50	20K91A125 5	SIRIPURAM	Preethi
51	20K91A125 6	SUNKOJU SAI CHARAN	Charan
52	20K91A125 9	VOOTLA MAHESH REDDY	M.Reddy
53	21K95A120 1	GALI BHAVANI	Bhavani
54	21K95A120 2	ILAMONI RAVI	Ravitha
55	21K95A120 6	YENUMULA POGITHA	Pogitha

[Handwritten Signature]

Head Dept. of Information Technology
TKR College of Engineering & Technology
Medbowli, Meerpet, Hyderabad-500097-TS.

[Handwritten Signature]
Principal

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(AUTONOMOUS)
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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE
ON
JAVA SCRIPT

Mrs.M.JHANSI RANI

ASSISTANT PROFESSOR



Installing JavaScript Software

This presentation will guide you through the process of installing JavaScript software using VS Code.



Head Dept. of Information Technology
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Principal

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Step 1: Download and Install VS Code

- 01 Run the installation package and follow the on-screen instructions to install VS Code on your computer.
- 02 Go to the official Visual Studio Code website (<https://code.visualstudio.com/>) and download the installation package.



Step 2: Open VS Code

- Once the installation is complete, open VS Code by clicking on the application icon.
- VS Code provides a powerful and lightweight editor for JavaScript development.



TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 1-12-2022

To

The Principal,

TKRCET

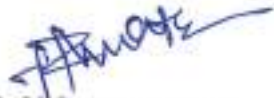
Respected Sir,

Sub: Request for conducting Value Added Course-2022-23-Reg

The Department of the Information Technology is planning to organize a Value Added Course in "MERN STACK". The faculty Mrs.Y.Naga Lavanya showing interest to take classes. In this connection, kindly give permission to organize the above program and also to take further steps in this regard.

Thanking you,

Yours sincerely



Dr.N.Satyanarayana,

Head of the Department

Head Dept. of Information Technology
TKR College of Engineering & Technology
Medbowli, Meerpet, Hyderabad- 500087-TS.



Principal
TKR College of Engineering & Technology
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TKR COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

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DEPARTMENT OF INFORMATION TECHNOLOGY

2022-2023

Programme: B.Tech

Semester: V&VII

VALUE ADDED COURSE

ON

“MERN STACK”

Course Objective:

The objective of this value-added course is to provide students with current front-end development skills, hence boosting their marketability to potential employers. B.Tech students can use MERN STACK to construct dynamic online applications, gaining valuable practical experience on real-world projects. Expertise can lead to job opportunities in web development and related areas, offering B.Tech students a competitive advantage in the labor market. Because of versatility and popularity, B.Tech students can work on a wide range of projects and research many application development fields. React.js, a popular and in-demand technology, assists B.Tech students in staying current with business trends and ensuring that their skills remain relevant in the ever-changing world of technology.

Expected Outcomes:

Students can gain valuable skills and knowledge from learning the MERN stack :

- Understanding MERN equips students with the ability to work on both the front-end (React) and back-end (Node.js, Express.js) of web applications, providing a comprehensive understanding of web development.
- MERN primarily uses JavaScript, a widely-used language in the industry. Learning JavaScript deeply enhances a student's programming skills and employability.
- Students will learn to work with MongoDB, a NoSQL database, and gain experience in database design, data modeling, and CRUD operations.
- Through hands-on projects, students develop problem-solving skills, learn to plan and execute web applications, and gain practical experience that can be showcased in their portfolios, making them more attractive to potential employers in the tech industry.

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Medbowli, Meerpet, Hyderabad- 500097-TS.

Principal
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Medbowli, Meerpet, Hyderabad-97.

About the Course:

1. **Introduction to MERN Stack**: The course usually begins with an overview of the MERN stack, explaining the significance of each component and their roles in web development.
2. **JavaScript Fundamentals**: Students learn or reinforce their understanding of JavaScript, as it's the primary language used throughout the stack.
3. **Front-End Development (React)**: The course includes an in-depth study of React, covering topics like components, state management, routing, and hooks.
4. **Back-End Development (Node.js and Express.js)**: Students are introduced to Node.js and Express.js for server-side development, including creating APIs, handling HTTP requests, and middleware.
5. **Database Management (MongoDB)**: The course covers MongoDB, teaching students how to set up, query, and manage data using this NoSQL database.
6. **RESTful API Development**: Students learn to design and build RESTful APIs using Express.js to connect the front-end and back-end components of their applications.
7. **State Management**: Courses often delve into state management solutions like Redux or the Context API for handling application state in React.
8. **Authentication and Authorization**: Security topics, including user authentication and authorization, are typically covered to ensure students understand how to protect their applications.
9. **Deployment**: Students learn how to deploy MERN applications to cloud platforms like Heroku, AWS, or Netlify, making their projects accessible online.
10. **Real-World Projects**: Practical, hands-on projects are a key component, allowing students to apply what they've learned to create full-stack web applications. These projects help build a portfolio of work.

Topics to be delivered:

S.No.	Topic	Number of Hours required
1	Introduction to MERN Stack	1
2	Front-End Basics with React.js	1
3	Understanding JSX and components	1
4	State and Props in React	1
5	Building a simple React application	1
6	Data and data flow in React	1

7	Rendering and lifecycle methods in React	1
8	Working with forms in React	1
9	Integrating third-party libraries with React	1
10	React Router and Navigation	1
11	Implementing client-side routing with React Router	1
12	Creating multiple pages in a React app	1
13	Building a multi-page website	1
14	Styling in React	1
15	CSS modules and styling components	1
16	Using popular CSS libraries	1
17	Building a well-designed front-end for the web application	1
18	Introduction to Node.js and Express.js	1
19	Node.js Process Model, Node JS Modules.	1
20	Express Routing	1
21	Implementing MVC in Express	1
22	Introduction to NoSQL and MongoDB	1
23	Basic CRUD operations (Create, Read, Update, Delete) ,Schema design and data modelling	1
24	API Development with Express.js	1
25	Implementing CRUD operations in API endpoints	1
26	State Management with Redux	1
27	Implementing Redux in a React app	1
28	React Hooks and Advanced Concepts	1
29	Authentication and Authorization	1
30	Preparing the MERN stack app for deployment	1
Total Hours Required		30

Teaching Materials

1. PPTs

2. Reference materials

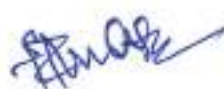
- Headfirst Android Development, Dawn Griffiths, 1st edition, O'Reilly
- Android Programming for Beginners John Horton, 2nd edition, Packt
- Android App Development FD. Michael Burton, 3rd edition, For Dummies

3. Web resources like e-tutorials

- <https://www.mongodb.com/languages/mern-stack-tutorial>
- <https://www.javatpoint.com/mern-stack>
- <http://nodejs.org>

4. Additional Programming/Application Development problems

<https://www.codingninjas.com/courses/full-stack-web-dev-mern>



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HOD-IT

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Associate Professor

PROGRAM CO-ORDINATOR

Smt D. Kavitha, Assistant Professor

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- 1) Mr. V. Ravi Kumar, Associate Professor
- 2) MrsB. Shivani, Assistant Professor

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Seminar Hall
Department of Information Technology
TKRCET

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RESOURCE PERSON

Mrs Y.Naga Lavanya
Assistant Professor

Principal
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VALUE ADDED COURSE ON MERN STACK



Organized by
**DEPARTMENT OF
INFORMATION TECHNOLOGY**
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS) - K9
(Approved by AICTE Affiliated to JNTUH Accredited)
Medbowl, Meerpet(VII), Balapur(Mandal),
RR(Dist).
Telangana -500097

ABOUT THE COLLEGE:

TKR College of Engineering & Technology a modern temple of learning an off shoot of the TKR Educational Society was established in the year 2002 in a sprawling lush green 20-acre campus at Meerpeta, Hyderabad. The college provides a serene and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the cut-throat global competition with a smile on the face and emerge victorious.

ABOUT THE DEPARTMENT:

Department of Information Technology has been established in the year 2006, is headed by Professor Dr. N. Satyanarayana. Under his mentorship, the Department is functioning salubriously. He has 26 years of Industrial & Teaching experience. The Department also has model classrooms with LCD projector for effective teaching.

VISION:

Department of Information Technology strives to mould professionals so as to meet the global needs of Industry as well as Research.

MISSION:

Ensuring a quality teaching learning process in which theoretical knowledge is practically implemented to solve the global issues.
Preparing the students for their career development to reach high peaks in multiple areas.

SCOPE:

The objective of this value-added course is to give students contemporary front-end development abilities, increasing their marketability to potential employers. B.Tech students can use Java Script to create web pages more interactive - giving them significant practical experience on real-world projects. Java Script proficiency can offer up work chances in web development and related industries, giving B.Tech students a competitive edge on the job market. Java Script's adaptability and popularity allow B.Tech students to work on a variety of projects and investigate different application development areas. Java Script, a well-liked and in-demand technology, helps B.Tech students to implement complex things on web pages and build intelligent web applications.

EXPECTED OUTCOMES:

The student will gain knowledge on

- Introduction to JavaScript
- Variables and Data Types
- Operators and Expressions
- Control Flow
- Loops
- Functions
- Arrays
- Objects
- Document Object Model (DOM)
- Events
- Error Handling
- Working with Strings
- Working with Numbers
- Working with Dates
- JSON
- Browser Storage
- AJAX and APIs
- Debugging JavaScript
- JavaScript Best Practices
- JavaScript Libraries and Frameworks
- Introduction to Node.js
- JavaScript Testing
- Asynchronous JavaScript Project in Real-World Application

Principal



TKR College of Engineering & Technology
(AUTONOMOUS)

Meerpeta, Hyderabad-500071.

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Information Technology

Value-Added Course

MERN STACK (VACIT2201)

The following students enrolled and attended to the above course:

A.Y.2022-23

S.No	Roll No.	Student Name	Signature
1	18K91A1215	CHIGULLAPALLI SWATHI	Swathi
2	19K91A1201	A MANEESHA	Mane
3	19K91A1202	ADLOLU UMAMAHESHWARI	Umamaheswari
4	19K91A1203	ANNAMANENI VARALAXMI	Vala
5	19K91A1205	ASHANNAGARI SREEJA REDDY	Sreeja
6	19K91A1206	BASADI PAVANI	Pavani
7	19K91A1209	BOJJA NISHITHA	Nishitha
8	19K91A1210	CHALLA GUNA SHEKHAR REDDY	Guna
9	19K91A1213	CHINNAPATLOLLA SRUJA REDDY	Sruja
10	19K91A1214	ETIKALA MAHESH SAI	Mahesh Sai
11	19K91A1216	GADIPALLI BHANU PRAKASH	Bhanu
12	19K91A1217	GOLI SINDHU	Sindhu
13	19K91A1219	HARSHITA JHA	Harshita Jha
14	19K91A1221	KALAKUNTLA SAI PRATHAP	Sai Prathap
15	19K91A1222	KOKKU SIRI	Siri
16	19K91A1223	KONDUTI ROHINI	Rohini
17	19K91A1227	MADDUR DURGAKSHARA	Durgakshara
18	19K91A1228	MADUGULA SAI KUMAR	Sai Kumar
19	19K91A1235	PALANKI HEMANTH	Hemant
20	19K91A1239	SAMBU MALLESH	Mallesha
21	19K91A1241	SOMISHETTI SAIKRUPA	Saikirupa
22	19K91A1242	SREENATH K	Sreenath
23	19K91A1246	THEEPIREDDY HAMPI	Hampi
24	19K91A1251	VITTEDI VARSHINI	Varshini
25	19K91A1257	JYOTHI VENKATA TEJESWAR REDDY	Tejeswar
26	20K95A1204	MANOJ KUMAR ARIGACHETTA	Manoj
27	20K91A1201	ABDUL ABEED	Abdul
28	20K91A1210	CHINTHALA BHAVANI	Bhavani
29	20K91A1212	CHITLA SAI CHARAN REDDY	Saicharan
30	20K91A1213	D VIKAS	Vikas
31	20K91A1214	DASARI PRIYADARSHINI	Priyadarshini
32	20K91A1216	DONGALA DEEPTHI	Deepti
33	20K91A1217	DOOLAPALLY VIGNESHWAR CHARY	Vigneshwar
34	20K91A1219	EPPALAPALLY SHARATH CHANDRIKA	Sharathchandra
35	20K91A1220	GADDAM RISHI	Rishi
36	20K91A1223	JADHAV MAYURI	Mayuri

S.No	Roll No.	Student Name	Signature
37	20K91A1224	K ROHAN RAJ	Rohan
38	20K91A1225	KALASHIKAM VISHNU TEJA	Vishnu
39	20K91A1227	KAMUNI SUDHARANI	Sudhara
40	20K91A1230	KATKAR AKSHATHA	Akshata
41	20K91A1231	KETHAVATH URMILA	Urmila
42	20K91A1234	KOMMA SAI THANVI	Sai Thanvi
43	20K91A1235	KOMMULA PRAVALIKA	Pravalika
44	20K91A1239	MUNUGAPATI SANJU SANDESH	Sanju
45	20K91A1242	NEERUDU HARATHI	Harathi
46	20K91A1248	PITTA GRACIA	Gracia
47	20K91A1250	RAMISHETTY NAGA HEMA	Hema
48	20K91A1251	S CHENNAKESHA VA REDDY	Chennakeshava
49	20K91A1253	SHAIK MEHATAJ	Mehataj
50	20K91A1255	SIRIPURAM PREETHI	Preethi
51	20K91A1256	SUNKOJU SAI CHARAN	Sai Charan
52	20K91A1259	VOOTLA MANIDEEP REDDY	Manideep
53	21K95A1201	GALI BHAVANI	Bhavani
54	21K95A1202	ILAMONI RANJITH KUMAR	Ranjith
55	21K95A1206	YENUMULA POOJITHA	Poojitha

[Handwritten Signature]

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DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSE

ON

MERN STACK

Mrs. Y.NAGA LAVANYA

ASSISTANT PROFESSOR

MERN Stack



M E R N

Principal

**TKR College of Engineering & Technology
(AUTONOMOUS)**

Medbowli, Meerpet, Hyderabad-97.

Prerequisites for MERN stack

- HTML
- CSS
- JavaScript
- Knowledge of database.

Introduction

- MERN stands for MongoDB, Express, React, Node, after the four key technologies that make up the stack that is used for easier and faster deployment of full-stack web applications.
- MongoDB - document database
- Express(.js) - Node.js web framework
- React(.js) - a client-side JavaScript library
- Node(.js) - the premier JavaScript web server