



SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

UGC Autonomous Institution

Approved by AICTE and permanently affiliated to JNTU,
Hyderabad, T.S.501 510.

DEPARTMENT OF INFORMATION TECHNOLOGY

MODEL BASED TEACHING

MODEL BASED TEACHING

1. Chart
2. Working models
3. Animated Videos
4. Role Play
5. Poster presentation

S.No.	YEAR/SEM	SUBJECT	CHART	MODEL	ANIMATED VIDEOS	ROLE PLAY	POSTER
1.	II /I	Digital Electronics	✓	✓	✓		✓
2.	II /I	Data Structures	✓	✓	✓	✓	✓
3.	II /I	Computer Oriented Statistical Methods	✓	✓	✓		✓
4.	II /I	Computer Organization and Microprocessor	✓	✓	✓	✓	✓
5.	II /I	Introduction to IOT	✓	✓	✓	✓	✓
6.	II/II	Discrete Mathematics	✓	✓	✓	✓	✓
7.	II/II	Business Economics and Financial Analysis	✓	✓	✓	✓	✓
8.	II/II	Operating Systems	✓	✓	✓	✓	✓
9.	II/II	Database Management Systems	✓	✓	✓	✓	✓
10.	II/II	Java Programming	✓	✓	✓	✓	✓
11.	III/I	Business Economics & Financial	✓	✓	✓		✓

		Analysis					
12.	III/I	Software Engineering	✓	✓	✓	✓	✓
13.	III/I	Data Communication & Computer Networks	✓	✓	✓	✓	✓
14.	III/I	Web Technologies	✓	✓	✓	✓	✓
15.	III/I	Principles of Programming Languages	✓	✓	✓	✓	✓
16.	III/I	Artificial Intelligence	✓	✓	✓	✓	✓
17.	III/II	Machine Learning	✓	✓	✓	✓	✓
18.	III/II	Principles of Compiler Construction	✓	✓	✓	✓	✓
19.	III/II	Algorithm Design and Analysis	✓	✓	✓	✓	✓
20.	III/II	Software Testing Methodologies	✓	✓	✓	✓	✓
21.	III/II	Information Technology Essentials	✓	✓	✓	✓	✓
22.	IV/I	Information Security	✓	✓	✓	✓	✓
23.	IV/I	Data Mining	✓	✓	✓	✓	✓
24.	IV/I	Cloud Computing	✓	✓	✓	✓	✓
25.	IV/I	Internet of Things	✓	✓	✓	✓	✓
26.	IV/I	E-Commerce	✓	✓	✓	✓	✓
27.	IV/II	Organizational Behavior	✓	✓	✓	✓	✓
28.	IV/II	Distributed Systems	✓	✓	✓	✓	✓
29.	IV/II	Information Security Fundamentals	✓	✓	✓	✓	✓

Course Name : Digital Electronics
Class : II B.Tech. I Sem
Teacher : Mr. A. Venu
Activity : Chart work
Title : Flip-Flop & Its Types



Course Name : COMP
Class : II B.Tech. I Sem
Teacher : Mrs. Y. Harathi
Activity : Chart work
Title : Digital Computer – Block Diagram



Course Name : Operating Systems
Class : II B.Tech. II Sem
Teacher : Dr. P. Epsiba
Activity : Chart work
Title : OSI Layers



Course Name : Discrete Mathematics
Class : II B.Tech. II Sem
Teacher : Mrs. Sri Usha
Activity : Chart work
Title : Matrix Relation



Course Name : Database Management System
Class : II B.Tech. II Sem
Teacher : Mrs. J. Hemalatha
Activity : Chart work
Title : Types of Attributes



Course Name : Java Programming
Class : II B.Tech. II Sem
Teacher : Mr. Shek Shakeek
Activity : Chart work
Title : Event Handlers



Course Name : Software Engineering
Class : III B.Tech. I Sem
Teacher : Mrs. K. Priyanka
Activity : Chart work
Title : Process Models



Course Name : Web Technologies
Class : III B.Tech. I Sem
Teacher : Mrs. J Sasirekha
Activity : Chart work
Title : Servlet Life Cycle



Course Name : Machine Learning
Class : III B.Tech. II Sem
Teacher : Mrs. J. Sri vidhya
Activity : Chart work
Title : Applications of ML



Course Name : Algorithm Design Analysis
Class : III B.Tech. II Sem
Teacher : Mrs. K. Priyanka
Activity : Chart work
Title : Job Sequencing Problem



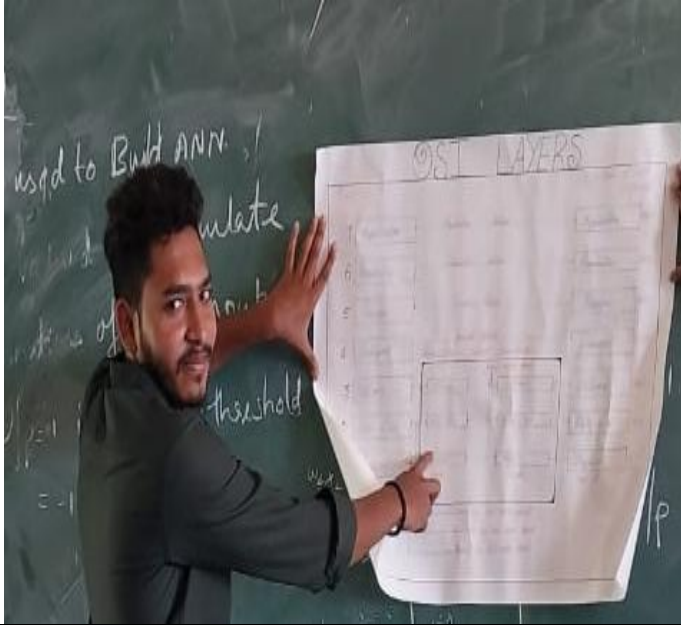
Course Name : Software Testing Methodologies
Class : III B.Tech. II Sem
Teacher : Mr. P. Veeranna
Activity : Chart work
Title : Testing Model



Course Name : Principles of Compiler Construction
Class : III B.Tech. II Sem
Teacher : Mrs. J S RADHIKA
Activity : Chart work
Title : Phases Of Compiler



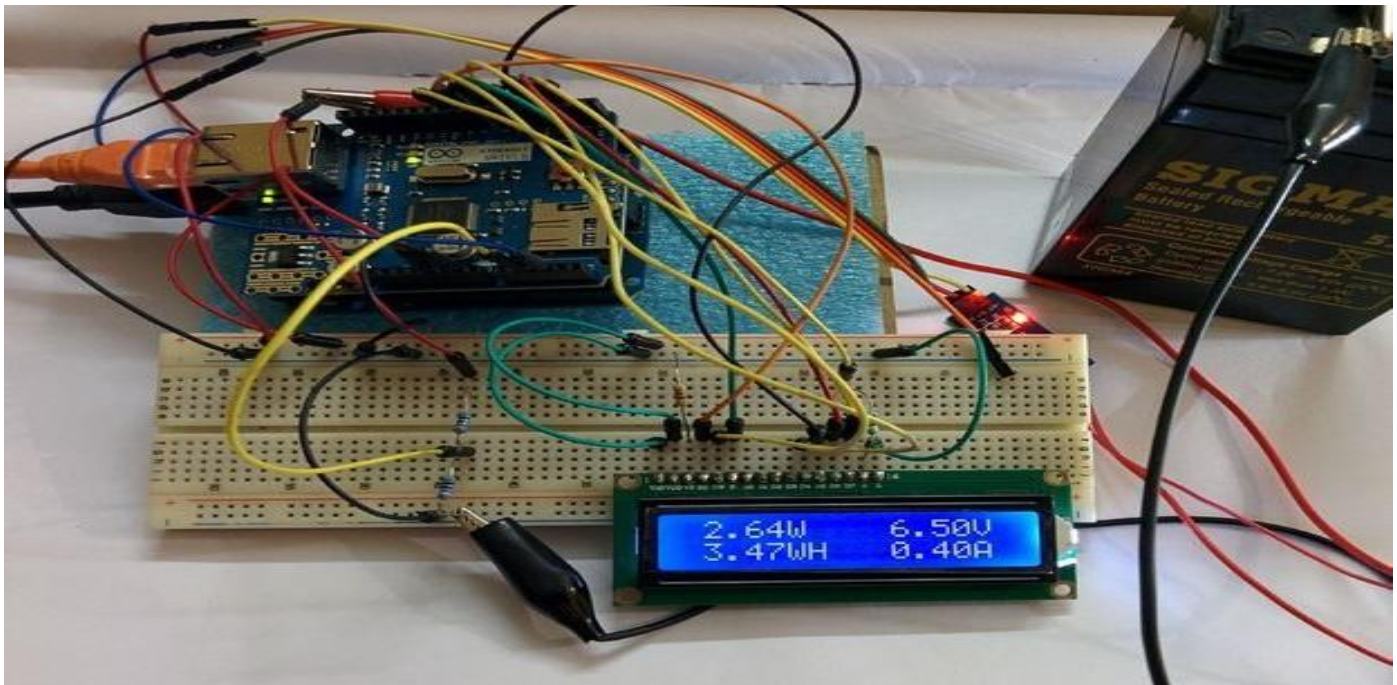
Course Name : Information Security
Class : IV B.Tech. I Sem
Teacher : Mrs. J S RADHIKA
Activity : Chart work
Title : Network Security Model

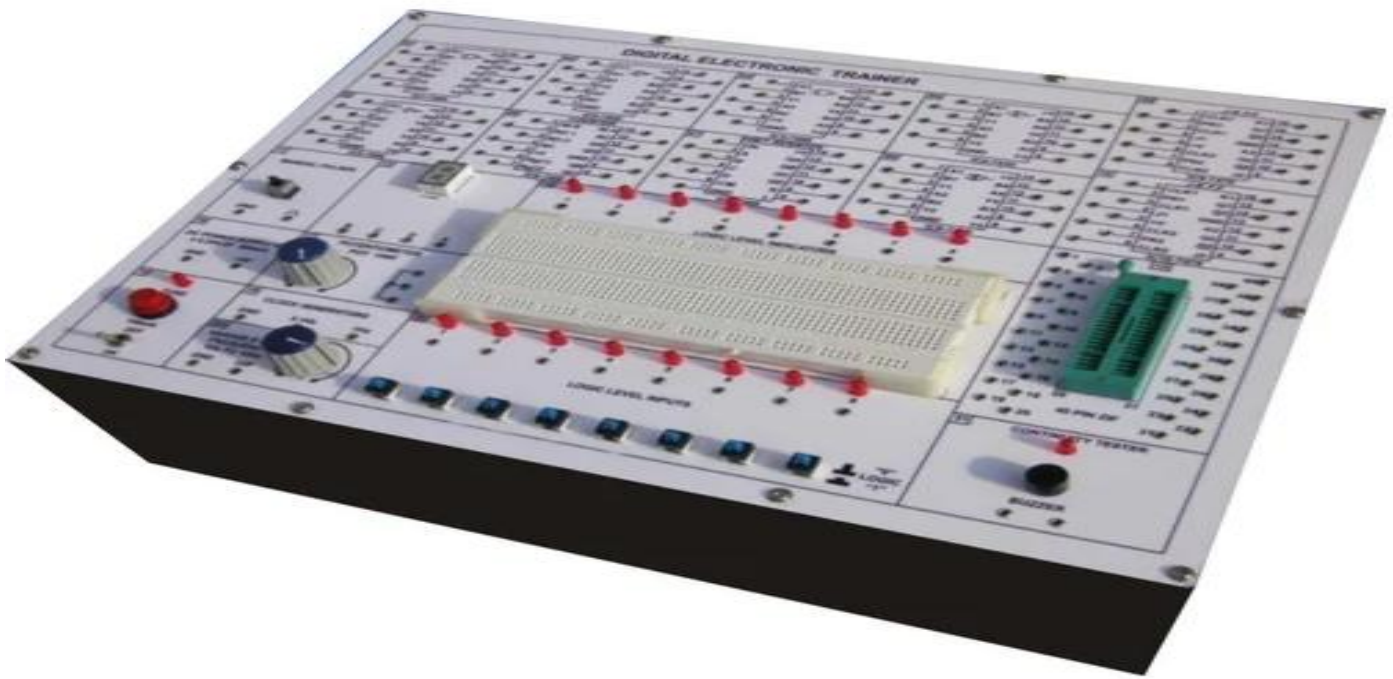


Course Name : Java Programming
Class : II B.Tech. II Sem
Teacher : Mr. Shek Shakeel
Activity : Poster Making
Title : Java Programming



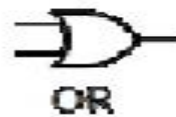
Course Name: Digital Electronics
Class: II B.Tech. I Sem
Teacher: Mr. Venu
Activity : Working Models





Basic Digital Logic Gates

INPUT		OUTPUT
A	B	C
0	0	0
0	1	0
1	0	0
1	1	1



A AND B	$A \cdot B$
A OR B	$A + B$
NOT A	\bar{A}
A XOR B	$A \oplus B$

In the course, Digital Logic Design, while explaining about the basics of logic gates and its functions to the students of II Year CSE, the physical device of Logic Gates Trainer Kit was demonstrated to the students to get them a better understanding about the working of the gates and its Truth Table. Similarly the students also practiced with trainer kit to experience practically how the gates are to be operated and also verified the Logic gates Truth Table.

Course Name: Computer network

Class: III B.Tech. I Sem

Teacher: Mrs Varsha Reddy

Activity : Working Models



Course Name: Data Structures
Class: II B.Tech. I Sem
Teacher: Mrs. S. Geetha
Activity : Animated Videos

S.No.	Unit	Topics	You tube links for Animated Videos for Operating Systems
1	1	Linked list	Introduction to Linked List - YouTube
2	2	Hash Table&Hash Function	Hash Tables and Hash Functions - YouTube
3	3	AVL Tree	AVL Tree Animations Data Structure Visual How - YouTube
4	4	Merge Sort	Merge Sort Manim Animation [4K] - YouTube
5	5	Boyer moore algorithm	BOYER MOORE ALGORITHM FOR PATTERN MATCHING - YouTube

Course Name: Operating System
Class: II B.Tech. II Sem
Teacher: Dr. P. Epsiba
Activity : Animated Videos

S.No.	Unit	Topics	You tube links for Animated Videos for Operating Systems
1	1	Structures of OS	https://www.youtube.com/watch?v=XXPB120J22w
2	1	System Calls	https://www.youtube.com/watch?v=lhToWeuWWfw
3	1	Operating System Services	https://www.youtube.com/watch?v=TQWERtMoKbI
4	2	fork() and exec() System Calls	https://www.youtube.com/watch?v=IFEFVXvjiHY
5			
6	2	Priority based scheduling algorithm	https://www.youtube.com/watch?v=yKD3pcFvGmY&list=PLBlnK6fEyqRitWSE_AyyySWfhRgyA-rHk&index=11
7	2	Round Robin Scheduling algorithm	https://www.youtube.com/watch?v=7TpxxTNrcTg&list=PLBlnK6fEyqRitWSE_AyyySWfhRgyA-rHk&index=15
8	3	Process Management	https://www.youtube.com/watch?v=OrM7nZcxXZU
9	3	Semaphores	https://www.youtube.com/watch?v=LlZTbA3cAWY
10	3	Deadlock	https://www.youtube.com/watch?v=MYgmmJJfdBg
11	3	Deadlock Handling Methods	https://www.youtube.com/watch?v=OnyOoF_L7zw
12	4	Logical Vs Physical Address	https://www.youtube.com/watch?v=j9rxq-212eU
13	4	Paging	https://www.youtube.com/watch?v=MZvXqIkev7A
14	4	Paging Hardware For Paging Technique In Os	https://www.youtube.com/watch?v=KvqetrhakupY
15	4	Segmentation	https://www.youtube.com/watch?v=vzbcrcRslng

Course Name: Computer Networks
Class: III B.Tech. I Sem
Teacher: Mrs. S Varsha Reddy
Activity : Animated Videos

S.No.	Unit	Topics	You tube links for Animated Videos for Operating Systems
1	1	The TCP/IP reference models	The TCP/IP Protocol Suite - YouTube
2	2	Error detection and correction	Error Detection - YouTube
3	3	Quality of Service	Quality of Service (QoS) Flow Characteristics Reliability Delay Jitter Computer Networks - YouTube
4	4	TCP and UDP protocols	TCP vs UDP Comparison - YouTube
5	5	SNMP	SNMP - Simple Network Management Protocol - YouTube

Course Name: Web Technologies

Class: III B.Tech. I Sem

Teacher: Mrs. J Sasirekha

Activity : Animated Videos

S.No.	Unit	Topics	You tube links for Animated Videos for Operating Systems
1	1	String operators	2. What is data? Different types of data? Structured Semi-structured Unstructured data - YouTube
2	2	XML	What is XML XML Beginner Tutorial Learn XML with Demo in 10 min - YouTube
3	3	Lifecycle of a servlet	Life Cycle Of A Servlet - 5 Stages with detailed explanation Web Technologies - YouTube
4	4	JSP Processing,	JSP Tutorial Life cycle of JSP Advanced Java Mr.Venkatesh - YouTube
5	5	Javascript	JavaScript Animation Tutorial Animation In JavaScript JavaScript Tutorial Simplilearn - YouTube

Course Name: Computer Organization and Microprocessor

Class: II B.Tech. I Sem

Teacher: Mrs. Y. Harathi

Activity : Role play

Students role-play parts of a digital computer to accomplish a given task, and follow a given set of rules (their program). Student roles include: a processor, a cache memory controller, main memory, mass storage devices, system buses and input/output devices. Student activities include displaying a multimedia movie, exploring cache memory, and processing an image. Preliminary testing indicates that the Classroom Computer allows students to understand the basic operations of a digital computer



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DEPARTMENT OF INFORMATION TECHNOLOGY

OPEN HOUSE EXHIBITIONS AND IDEA PRESENTATION

(A.Y: 2023-24)

S.No.	Date of the Event	Name of the Activity	No. of Students Participated
1.	15/09/2023	ENGINEER'S DAY CELEBRATION	120
2.	21/03/2024	CYBER SECURITY AND ITS APPLICATIONS - 2024	300
3.	04/04/2024	TECH FUSION - 2024	250

ENGINEER'S DAY CELEBRATION

PHOTO GALLERY

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NAAC **NBA**

Engineering in Humanitarian Aid

Happy Engineers Day

Organized by
Department of Information Technology

Venue:
CSE Seminar Hall
Date: 15.09.2023

Scientists study the world as it is. Engineers create the world that never has been. - Thomas Edison

Coordinators **HOD/IT**
K.Priyanka, Y.Harathi Dr.P.Epsiba

Convenors **Principal**
Dr.K.S.Sadasiva Rao Prof.K.Ashok Babu Dr.G.Suresh



Inauguration



Prize Distribution – Seminar 1st Prize : Mr. Sarath Chandra (III – IT)



Prize Distribution – Seminar 2nd Prize : Miss. Latha (III – CSIT)



Prize Distribution – Seminar 3rd Prize : Mr. Dheeraj (III – CSIT)

CYBER SECURITY AND ITS APPLICATIONS - 2024

PHOTO GALLERY



The poster features the Sri Indu College of Engineering & Technology logo at the top left, with accreditation logos for NAAC and NBA at the top right. The central text reads 'DEPARTMENT OF INFORMATION TECHNOLOGY CYBER SECURITY CLUB Organizes WORKSHOP ON CYBER SECURITY AND ITS APPLICATIONS'. A central graphic shows a blue padlock with a keyhole, surrounded by binary code. To the left, under 'EVENTS:', are 'Poster Presentation', 'Panel Discussion', and 'Quiz'. To the right are icons for 'CYBER SECURITY POSTER' and 'QUIZ'. The date '21st March 2024, 10.00 am' and location 'ECE Auditorium' are listed. At the bottom, roles and names are provided: Faculty Coordinator (Mrs. J. Sasirekha, Mrs. J. Hemalatha), HOD (Dr. P. Epsiba), Convenor (Prof. K. Ashok Babu), and Principal (Dr. G. Suresh).

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DEPARTMENT OF INFORMATION TECHNOLOGY
CYBER SECURITY CLUB
Organizes
WORKSHOP ON
CYBER SECURITY AND ITS APPLICATIONS

EVENTS:

- Poster Presentation
- Panel Discussion
- Quiz

21st March 2024, 10.00 am
ECE Auditorium

Faculty Coordinator
Mrs. J. Sasirekha
Mrs. J. Hemalatha

HOD
Dr. P. Epsiba

Convenor
Prof. K. Ashok Babu

Principal
Dr. G. Suresh



Inauguration



Addressing the Gathering by Dr. G. Suresh, Principal, SICET



Honouring the Speaker of Workshop “Mr. Prathik Paru & Mrs. Manisha”

“ Cyber Security & It’s Applications”



Panel Discussion by Dr. Ch. GVN Prasad, Head of CSE, SICET
Title: “ What is Cyber Security? And its types of threads”



Panel Discussion by Sri R. Venkateshwara Rao, Placement Coordinator, SICET
Title “ Placements regarding Cyber Security”



HARSHIK

**Panel Discussion by Dr. Sadhasiva Rao, Dean R & D Cell, SICET
Title “ Job Scope and Skill require for Cyber Security Jobs”**



GPS Map Camera



Rangareddy, Telangana, India
6J67+32C, Telangana 501510, India
Lat 17.210062°
Long 78.612392°
21/03/24 02:03 PM GMT +05:30

Quiz – Preliminary Test



Poster Presentation – Judges Evaluating the Posters





Prize Distribution



Poster - Models



Group Photo

TECH FUSION - 2024

PHOTO GALLERY



TechFusion 2024

An Event by IT & CSIT Departments

TECHNICAL EVENTS

- CodeReflex
- Brain Battle(Quiz)
- TechTalk(PPT's)
- Speed Googling
- Scavenger Hunt
- Puzzle Maze

NON-TECHNICAL EVENTS

- Meme Lord
- Art Gallery
- Game Monitoring
- Crumbly Crunch Challenge
- Riddle Quest
- PicTo Competition
- Rythm Riddle



Inauguration of
ingenuity &
CSITrend Clubs

04
APRIL

VENUE
PLACEMENT WING
TIME
10:00 AM

Register Now:



STUDENT CO-ORDINATORS
93925 38593 (Sharath), 7995921627(K.Shivani)
8501862861(Monaj), 85199 96543(M.Shivani)
96669 64742(Latha), 93986 30197(Rishitha)

HOD:(IT)
Dr.P.Epsiba
HOD:(CSIT)
Dr.T.Charan Singh
PRINCIPAL
Dr.C.Suresh
All Faculty Members of
(IT-CSIT)



TechFusion 2024

An event by ingenuity & CSITrend club

●●● CODEREFLEX

```
#include <stdio.h>
void main()
{
  //Venue:Computer Lab-13
  //Time:11:00am
}
```

#Quote #Programming #Selfcare

4
APRIL



Enroll
Now!



CONTACT:
8185847964(Irfan),
8919262896(P.Pranay)

WIN
EXCITING PRIZES



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**TECH
FUSION
2024**

BRAIN BATTLE

BATTLE ON: **4 APRIL 2024**
STARTS AT: **11:30**
BATTLEGROUND: **MAINBLOCK(206)**



CONTACT:
TIRTH PATEL (8247877126)
MA BASITH (6304945638)
email:
techfusionsicet@gmail.com



SCAN HERE
TO REGISTER



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TechFusion 2024
An Event by IT & CSIT Departments

TECH TALK

PPT's



Scan
Now!



Topics:

1. Small quill
2. Blockchain Technology
3. Cyber Security
4. Quntum Computing
5. Artificial Intelligence
6. Cloning
7. Flutter Technology



Participation Certificates Provided

LOCATION
CSE SEMINAR HALL

CONTACT
6304320348(Akshith)
94402 17474(Harshik)
techfusionsicet@gmail.com



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CSIT & IT DEPARTMENT

SPEED GOOGLING

Event

Enroll

Now!



THURSDAY

04

APRIL



Location :

Computer Lab 5 (Main block)

Time :

12 :00 -1:00 PM

Co-ordinator

9966368667(Sudeeksha)

8978486590(Abdul Mannan)

techfusionsicet@gmail.com



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TechFusion 2024

An Event by IT & CSIT Department

Scavenger Hunt

- A blithesome hunt with a technical twist, that emphasizes the creative, receptive, interactive and collaborative nature of the contestants.



Interactive &
Mystery Challenges
Team Strategy

Scan for Registration :-



Date:-

04/04/2024

CONTACT :-

7075523864(S.Sumanth)

8341701704(K.Akshitha)

techfusionsicet@gmail.com

Venue & Time:-

Main block room no :- 302 &

11:30 Am TO 1:40 Pm



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TECHFUSION
2K24

DEPARTMENT OF CSIT AND IT

PUZZLE MAZE



04-APRIL-2024

VENUE:
301- MAIN BLOCK
TIMINGS:
11:30-12:30PM



TALK TO US
 CH.PRAVEEN KUMAR
 9182487105
 techfusionsicet@gmail.com

REGISTER NOW



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TechFusion 2024

An Event by IT & CSIT Department

CRUMBLY CRUNCH CHALLENGE

04-APRIL-2024



TIMMINGS:
11:00 AM



CONTACT
 SAMRUTH-8688446245
 NITHIN-7396167556
 TECHFUSIONSICET@GMAIL.COM

REGISTER NOW



Sri Indu

College of Engineering & Technology
UGC Autonomous Institution

TechFusion 2024

MEME LORD

APRIL 04,
2024
11:00 PM

Scan for Registration



Winners are declared by
Most Likes & Most Comments

The posts / memes should be
sent to techfusionsicet@gmail.com
before 03 April.



Student coordinators

Nithin 7396167556
Sonu 7288066898

techfusionsicet@gmail.com
[techfusion.sicet](https://www.instagram.com/techfusion.sicet)



Sri Indu

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UGC Autonomous Institution

TechFusion 2024

Rhythm Ride

An Event by IT & CSIT

THU | MAIN BLOCK
04 APRIL | SRI INDU COLLEGE
FROM 11 AM

Entry Price Rs: 20/- [Base]

*** Cash Price x2 ***

Scan for Registration



Student coordinators :-
Rachit 9182142888

Neha 9553296835



Sri Indu

College of Engineering & Technology

TechFusion 2024

Art Gallery

An Event by IT & CSIT



04 APRIL



Thursday
Start At 11Am - 12:40Pm

Main Block



Scan for Registration

Student coordinators:

Sajid 7286072160

Karthik 7799882917

techfusionsicet@gmail.com

[techfusion-sicet](https://www.techfusion-sicet.com)



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CSIT & IT DEPARTMENT (TECHFUSION) 2 K 2 4 RIDDLE QUEST

A WRITER IS SOMEONE WHO CAN MAKE A RIDDLE OUT OF AN ANSWER



Thursday, 04 April 2024
1.20 PM - 2.30 PM



MAIN BLOCK CSIT 301 ROOM

REGISTER NOW

MORE INFORMATION

Co - ordinator (VENKATESH)

+91 9848574470

techfusionsicet@gmail.com



SCAN HERE





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TechFusion 2024

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PICTO COMPETITION

- Storytelling is the most powerful way to put ideas into the world.



Scan for Registration :-



Date:-

04/04/2024

CONTACT:-

R.PRIYANKA(83097 71726)

K.Lokesh (8500651202)

techfusionsicet@gmail.com

Venue & Time:-

Main block room no :- 302 &
1:20 Pm TO 2:30 Pm



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TechFusion 2024

An Event by IT & CSIT Department

GAME MONITORING

- You don't need to be an expert to do something great



Scan for Registrations :-



Date:-

04/04/2024

CONTACT :-

98492 32929(Imthiyaz)

90145 02072(B.Jhansi)

techfusionsicet@gmail.com

Venue & Time :-
Main block room no :- 301 &
1:20 Pm TO 2:30 Pm



TECH FUSION – 2024 : INAUGURATION



Tech – Talk (PPT's)



Brain Battle (Quiz)



Code Reflex



Sheriguda, Telangana, India
Sri Indu college of engineering, SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY,
Auditorium - Sri Indu Main Block Rd, Sheriguda, Telangana 501510, India
Lat 17.210272°
Long 78.611791°
04/04/24 12:08 PM GMT +05:30

Puzzle Maze



Sheriguda, Telangana, India
Sri Indu college of engineering, SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY,
Auditorium - Sri Indu Main Block Rd, Sheriguda, Telangana 501510, India
Lat 17.21013°
Long 78.612264°
04/04/24 02:35 PM GMT +05:30

Riddle Quiz



Art Gallery



Crumbly Crunch Challenge



Game Monitoring





Prize Distribution



Group Photo



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DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISITS

(A.Y: 2023-24)

S.No.	Date of Visit	Year/Sem	Name of the Industry Visits	No. of Students
1.	26.04.2024	IV/ II	CAPGEMINI	50

INDUSTRIAL VISITS - PHOTO





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DEPARTMENT OF INFORMATION TECHNOLOGY

PARTICIPATIVE LEARNING

(A.Y: 2023-24)

S.No.	List of Learning process
1.	Self-Learning Capability By Taking One Credit Courses
2.	Value Added Courses
3.	Swayam/Nptel Courses
4.	Competitive Examinations
5.	Team Work In Laboratory Sessions
6.	Professional Societies (Like IEEE, CSI, ISTE, IETE) And Various Club Activities
7.	Participations In Events (TECH FUSION & HACKTHON)
8.	Internship

1. SELF-LEARNING CAPABILITY BY TAKING ONE CREDIT COURSES

List of courses attended by students

S.NO	NAME OF THE STUDENT	COURSE NAME
1	Amireddy Sadhana	Java Programming
2	Kamatham Gopika	Java Programming
3	Mohammad Irfan	Java Programming
4	Alusoju Pranay Kumar	Java Programming
5	Konda Hariprasad	Java Programming
6	Palle Pranay	Basics of Java
7	Gouru Sathvika	Web Development
8	Silvery Samruth	Front end Development - HTML
9	Alusoju Pranay Kumar	Data science Basic to Advance
10	L Siri Hasini	Data Science

Sample Certificates

C.ID: a0cd4f



CERTIFICATE

OF COMPLETION
PROUDLY PRESENTED TO

Amireddy sadhana

has successfully completed 4 weeks of a virtual internship program in
Java Programming
with wonderful remarks at CODSOFT from 18/11/2023 to 18/12/2023.
We were truly amazed by his/her showcased skills and invaluable contributions to
the tasks and projects throughout the internship.



Founder



contact@codsoft.in www.codsoft.in Date: 18/12/2023

C.ID: 0a53ba



CERTIFICATE

OF COMPLETION
PROUDLY PRESENTED TO

Kamatham Gopika

has successfully completed 4 weeks of a virtual internship program in
Java Programming
with wonderful remarks at CODSOFT from 28/11/2023 to 28/12/2023.
We were truly amazed by his/her showcased skills and invaluable contributions to
the tasks and projects throughout the internship.



Founder



contact@codsoft.in www.codsoft.in Date: 28/12/2023

C.ID: d08fcb0



CERTIFICATE

OF COMPLETION
PROUDLY PRESENTED TO

Mohammad Irfan

has successfully completed 4 weeks of a virtual internship program in
Java Programming
with wonderful remarks at CODSOFT from 25/10/2023 to 25/11/2023.
We were truly amazed by his/her showcased skills and invaluable contributions to
the tasks and projects throughout the internship.



Founder



contact@codsoft.in www.codsoft.in Date: 25/12/2023

C.ID: g09ki



CERTIFICATE

OF COMPLETION
PROUDLY PRESENTED TO

Alusoju Pranay Kumar

has successfully completed 4 weeks of a virtual internship program in
Web Development
with wonderful remarks at CODSOFT from 21/10/2023 to 21/11/2023.
We were truly amazed by his/her showcased skills and invaluable contributions to
the tasks and projects throughout the internship.



Founder



contact@codsoft.in www.codsoft.in Date: 01/12/2023

C.ID: 0dbd273



CERTIFICATE

OF COMPLETION
PROUDLY PRESENTED TO

Konda Hariprasad

has successfully completed 4 weeks of a virtual internship program in
Web Development
with wonderful remarks at CODSOFT from 18/11/2023 to 18/12/2023.
We were truly amazed by his/her showcased skills and invaluable contributions to
the tasks and projects throughout the internship.



Founder



contact@codsoft.in www.codsoft.in Date: 18/12/2023



CERTIFICATE OF ACHIEVEMENT

This is to certify that **PALLE PRANAY** has successfully completed the
Basics of java guided path on Coding Ninjas Studio

Modules Covered - Introduction to java, Variables and data types, Basic IO in java etc.

Date: 01/12/2023 Sign: 



2. VALUE ADDED COURSES

S. No	Roll Numbers	Name Of The Student	Name Of The Organization	Event Name	No.of Days	Tenure
1.	20D41A1253	V.UTHAM	ACCIOJOB	ULTIMATE FRONT END BOOT CAMP	3-days	28 th apr-30 th apr-2023
2.	20D41A1245	R.RAHUL	RAM INFOTECH	CORE PYTHON	2-Months	Mar-2023-may-2023
3.	20D41A1226	B. VIVEK REDDY	PANTECH SOLUTIONS	AMAZON WEB SERVICES(ML OPS)	One - Month	7 th -june-7 th -july2023
4.	20D41A1206	B.KEERTHANA	CODE STUDIO	BASICS OF PYTHON	One - day	18 th -june-2023
5.	20D41A1253	V.UTHAM	UDEMY	INTRODUCTION TO WEB DEVELOPMENT AND CODING	One - day	7 th -aug-2023
6.	20D41A1238	MOHD.SHAHBAZ	EXCELR	PYTHON AND IOT	22 - days	6 th -Aug-2023
7.	20D41A1204	ARIF ABUL RAHEEM	TALENT BATTLE	C-PROGRAMMING	One-Day	18 th -Sep-2023
8.	20D41A1236	MANDALAM SAI ABHINAYA	TALENT BATTLE	JAVA-PROGRAMMING	One-day	27 th -oct-2023
9.	20D41A1206	B.KEERTHANA	OASIS INFOBYTE	WEB DEVELOPMENT AND DESIGNING	One-day	15 th -oct-2023
10.	20D41A1228	KUKKAMUDI VINAY	UDEMY	DATA ANALYTICS A-Z WITH PYTHON	One-day	16 th -Nov-2023
11.	21D45A1204	G.MAHIPAL REDDY	NPTEL	PROGRAMMING IN JAVA	3-months	Jul-23-oct-2023
12	20D41A1229	K.VENKATA SAI ADITYA	COURSERA	Foundations: data, Data every where	One-day	5 th sep -2023
13	20D41A1214	G.SRINIVAS	RAM INFOTECH	Python (Core Advance)	3-days	28 th apr-30 th apr-2023

14.	20D41A1246	R.KAUSHIK REDDY	NXT WAVE	Build your own static website	One-day	19 th -dec-2023
15.	20D41A1232	M.LOKESHWARI	SKILLUP	Java script for beginners	One - day	26 th -jan-2023
16	20D41A1232	M.LOKESHWARI	SKILLUP	Angular basics	One - day	26 th -jan-2023
17	20D41A1246	R.KAUSHIK REDDY	NXT WAVE	Build tour own responsive web site	One - day	16th –jan-2023
18	20D41A1207	B.NIHARIKA	ACE-ONLINE	AI&ML boot camp	2 -days	6 th &7th–jan-2024
19	20D41A1257	V.THAPASVI	SKILLUP	Angular basics	One-Day	23rd Jan-2024
20	20D41A1257	V.THAPASVI	SKILLUP	Introduction to front end development	One-day	23rd Jan-20243
21.	20D41A1217	J.MAMATHA	TCS-ION	E-MAIL-Etiquette	One-day	23rd-Jan-2024
22.	20D41A1217	J.MAMATHA	SKILLUP	Angular basics	One-Day	23rd Jan-2024
23	20D41A1217	J.MAMATHA	SKILLUP	Introduction to front end development	One-day	23rd Jan-2024
24	20D41A1217	J.MAMATHA	COGNITIVE CLASS	SQL and Relational data bases	One-day	10 th -jan-2024
25	20D41A1217	J.MAMATHA	SKILLUP	Java script for beginners	One - day	26 th -jan-2023
26.	20D41A1223	TODIMA PREETHI	COGNITIVE CLASS	Python 101 for data science	One - day	17 th -feb-2024
27	20D41A1220	KALAKONDA SRIKANTH	COURSERA	C Foundations of cyber security	One-day	7 th -apr-2024
28	20D41A1220	KALAKONDA SRIKANTH	COURSERA	Management security risks	One-day	8 th -apr-2024
29	20D41A1217	J.MAMATHA	SOLOLEARN	Introduction to Java	One-day	17 th -feb-2024
30	20D41A1256	V.AKHIL	COURSERA	Foundations of cyber security	One-day	7 th -apr-2024

31	20D41A1256	V.AKHIL	COURSERA	Management security risks	One-day	7 th -apr-2024
32	20D41A1207	B.NIHARIKA	COGNITIVE CLASS	SQL and Relational data bases	One-day	26 th -jan-2024
33	20D41A1209	CHANDA VINAY KUMAR REDDY	COURSERA	Connect and protect:networks and networks	One-day	8 th -apr-2024
34	20D41A1209	CHANDA VINAY KUMAR REDDY	COURSERA	Foundations of cyber security	One-day	3 rd -apr-2024
35	20D41A1246	POOSA ARJUN	COURSERA	Data Analysis with Programming	One-day	15 th -apr-2024
36	20D41A1209	CHANDA VINAY KUMAR REDDY	COURSERA	Management security risks	One-day	4 th -apr-2024
37	20D41A1207	B.NIHARIKA	GREAT LEARNING	Python Fundamentals for beginners	One-day	4 th -Feb-2024
38	20D41A1221	K.SHASHANK VARMA	ACCIOJOB	Ultimate front end boot camp	Three-days	28 th -30 th -apr-2024
39	20D41A1257	V.THAPASVI	SKILLUP	Getting started with java hibernate basics	One-day	16 th -Feb-2024
40	20D41A1253	V.UTHAM	INFOSIS	Ethical hacking concepts	One-day	5 th -Feb-2024
41	20D41A1257	V.THAPASVI	SKILLUP	Java script for beginners	One-day	23 rd -jan-2024
42	20D41A1257	V.THAPASVI	SOLOLEARN	Introduction to java	One-day	17 th -Feb-2024
43	20D41A1229	K.VENKATA SAI ADITYA	WHITE HAT	Coding fundamentals	One-day	7 th -apr-2024
44	20D41A1257	V.THAPASVI	SKILLUP	Introduction to java spring frame work101	One-day	16 th -feb-2024
45	20D41A1249	S.RAJASHREE	GREAT LEARNING	Time series in manufacturing Industry	One-day	7 th -nov-2023
46	20D41A1232	M.LOKESHWARI	SKILLUP	Introduction to java spring framework 101	One-day	18 th -feb-2024
47	20D41A1216	I.BHAVANA	COURSERA	Introduction to python	One-day	15 th -apr-2024

48	20D41A1220	KALAKONDA SRIKANTH	COURSERA	Management security risks	One-day	8 th -apr-2024
49	20D41A1256	V.AKHIL	COURSERA	Foundations of cyber security	One-day	7 th -apr-2024
50	20D41A1253	V.UTHAM	COURSERA	Foundations of cyber security	One-day	3 rd -apr-2024
51	20D41A1216	I.BHAVANA	COURSERA	Data Analysis with Programming	One-day	15 th -apr-2024
52	21D411244	K.HARIPRASAD	CODE-TECH IT-SOLUTIONS	Python programming	One-day	1st-Mar-2024
53	21D411244	K.HARIPRASAD	CSR-BOX	IBM Skills and micro internship on DATA science	15-Days	6 th -nov-20 th -2024
54	21D411244	K.HARIPRASAD	CODESOFT	Web development	One-month	10th-nov-10 th -Dec-2024
55	20D41A1222	KALLEM RUCHI REDDY	COURSERA	Foundations of cyber security	One-day	3 rd apr-2024
56	21D41A1203	PALLE PRANAY	COURSERA	How to Write a Resume	One-day	3 rd Jan 24
57	21D41A1203	PALLE PRANAY	COURSERA	Introduction to Basic Game Development using Scratch	15-Days	31 st Aug 23
58	21D41A1220	KADIYALA SHIVANI	COURSERA	How to Write a Resume	One-day	3 rd Jan 24
59	20D41A1237	M SAI ABHINAYA	SOLOLEARN	Introduction to SQL	1 Week	22 nd Jun 23
60	20D41A1237	M SAI ABHINAYA	SOLOLEARN	SQL Intermediate	1 Week	31 st Jul 24
61	20D41A1207	ALUGUVELLI CHANDANA	UDEMY	Internet of Things (IOT)	15-Days	17 th Nov 23
62	21D41A1260	ARCHANA TADURU	COURSERA	How to Write a Resume	One-day	3 rd Jan 24

Sample Certificates



3. Swayam / Nptel Courses



SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institution under UGC, New Delhi)

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

NBA & NAAC Accredited, Approved by AICTE and Permanently Affiliated to JNTU, Hyderabad.

Sheriguda(V), Ibrahimpatnam(M), R.R Dt.

SWAYAM NPTEL LOCAL CHAPTER (MOOCs)

STUDENTS-BRANCH WISE NPTEL ENROLLMENT DETAILS

For JANUARY-APRIL 2024 TIME LINE

DEPARTMENT OF INFORMTATION TECHNOLOGY

Academic Year : 2023-24

S.no	Roll Number	Name	NPTEL Course Name
1	21D41A1201	SANTOSH KUMAR	Machine Learning for Engineering and science applications
2	21D41A1201	SANTOSH KUMAR	Deep Learning - IIT Ropar
3	21D41A1201	SANTOSH KUMAR	Computer Vision And Image Processing - Fundamentals And Applications
4	21D41A1203	ALUSOJU PRANAY	Introduction To Internet Of Things
5	21D41A1203	ALUSOJU PRANAY	Programming In Java
6	21D41A1204	SADHANAREDDY AMIREDDY	Introduction To Internet Of Things
7	21D41A1208	BADUGULA HINDU REDDY	Introduction To Internet Of Things
8	21D41A1208	BADUGULA HINDU REDDY	Programming In Java
9	21D41A1219	CH.ANUSHA	Introduction To Internet Of Things
10	21D41A1220	DENDI HARSHIK	Introduction To Internet Of Things
11	21D41A1221	DUDDU SRAVANI	Introduction To Internet Of Things
12	21D41A1224	G.SATHVIKA	Introduction To Internet Of Things
13	21D41A1229	JOGINI YESHWANTH	Introduction To Internet Of Things
14	21D41A1232	KAMATHAM GOPIKA	Introduction To Internet Of Things
15	21D41A1235	KASIREDDY SRIVANI	Introduction To Internet Of Things
16	21D41A1237	KONDA HARI PRASAD	Introduction To Internet Of Things
17	21D41A1241	MA BASITH	Introduction To Internet Of Things
18	21D41A1242	M.LAVANYA	Introduction To Internet Of Things
19	21D41A1243	MALLEKEDI SHIVANI	Introduction To Internet Of Things
20	21D41A1248	MUNAGALA NANDITHA	Introduction To Internet Of Things
21	21D41A1254	SUSHMA	Introduction To Internet Of Things
22	21D41A1261	SHALINI TATIPARTHI	Introduction To Internet Of Things
23	21D41A1262	THANNIRU SINDHUJA	Introduction To Internet Of Things

24	21D41A1264	TIRTH PATEL	Introduction To Industry 4.0 And Industrial Internet Of Things
25	21D41A1265	YARAGANI.NEHA	Introduction To Internet Of Things
26	222D41A1247	PAGILLA VENKATESH	Introduction To Internet Of Things
27	22D41A1201	A.ARCHANA	Introduction To Internet Of Things
28	22D41A1202	ABHISHEK JANGID	Cloud Computing
29	22D41A1202	ABHISHEK JANGID	Introduction To Internet Of Things
30	22D41A1203	ADEPU GANESH	Introduction To Internet Of Things
31	22D41A1204	A.DIKSHITH REDDY	Introduction To Internet Of Things
32	22D41A1205	TEJA VARDHAN REDDY	Introduction To Internet Of Things
33	22D41A1206	AMANAGANTI KEERTHI REDDY	Introduction To Internet Of Things
34	22D41A1207	A.SHIVA GANESH	Introduction To Internet Of Things
35	22D41A1208	PRANEETH REDDY	Introduction To Internet Of Things
36	22D41A1209	BANDI CHANDRASHEKAR	Introduction To Internet Of Things
37	22D41A1210	NAVEEN KUMAR	Introduction To Internet Of Things
38	22D41A1213	MANISAI	Cloud Computing
39	22D41A1213	MANISAI	Introduction To Internet Of Things
40	22D41A1214	B.SRIVANI	Introduction To Internet Of Things
41	22D41A1217	SHIVA REDDY	Introduction To Internet Of Things
42	22d41a1220	E.DEVENDHAR	Introduction To Internet Of Things
43	22D41A1221	GODUGU.SAI VISHAL	Cloud Computing
44	22D41A1221	GODUGU.SAI VISHAL	Introduction To Internet Of Things
45	22D41A1223	GOSULA SIDDHARTHA	Introduction To Internet Of Things
46	22D41A1225	G.MANIKANTA	Introduction To Internet Of Things
47	22D41A1227	SAI TEJA	Introduction To Internet Of Things
48	22D41A1229	KACHAKAYALAVENUS AI	Introduction To Internet Of Things
49	22D41A1232	HOTHRI KATA	Introduction To Internet Of Things
50	22D41A1237	RISHI	Cloud Computing
51	22D41A1237	RISHI	Introduction To Internet Of Things
52	22D41A1238	KYAMA ANJAN KUMAR	Introduction To Internet Of Things
53	22D41A1241	M SAIVENKAT	Cloud Computing
54	22D41A1241	M SAIVENKAT	Introduction To Internet Of Things
55	22D41A1242	POOJA	Introduction To Internet Of Things
56	22D41A1243	SRAVANTHI	Cloud Computing
57	22D41A1243	SRAVANTHI	Introduction To Internet Of Things
58	22D41A1244	VAMSHI KRISHNA	Introduction To Internet Of Things
59	22D41A1245	MOHAMMAD FARHAAN	Introduction To Internet Of Things
60	22D41A1246	KARTHIK	Introduction To Internet Of Things
61	22D41A1248	PALLE PRABHAS	Introduction To Internet Of Things
62	22D41A1249	MANISH	Introduction To Internet Of Things
63	22D41A1250	PERUMALLA SINDHU	Introduction To Internet Of Things
64	22D41A1253	RISHI KIRAN	Introduction To Internet Of Things
65	22D41A1254	SOWMYA	Introduction To Internet Of Things

66	22D41A1255	VISHNU VARDHAN	Introduction To Internet Of Things
67	22D41A1256	V. PRANAB	Introduction To Internet Of Things
68	22D41A1257	VANGALABHANU	Introduction To Internet Of Things
69	22D41A1258	INDUPRIYADARSHINI	Introduction To Internet Of Things
70	22D41A1263	RUTHWIK REDDY	Introduction To Internet Of Things
71	22D45A1202	M.RACHIT KUMAR	Introduction To Internet Of Things
72	22D45A1203	CH. SAI KARTHIK	Introduction To Internet Of Things
73	22D45A1205	BHUVANAGIRI VAGESH DATTA	Introduction To Internet Of Things
74	22D45A1206	MOHAMMED SAJID	Introduction To Internet Of Things
75	23D45A1202	D.PRASHANTH	Introduction To Internet Of Things
76	23D45A1203	JEEDI MANVITHA	Introduction To Internet Of Things
77	23D45A1204	SNEHAREDDY	Introduction To Internet Of Things
78	23D45A1205	PATNAM SAIGANESH	Introduction To Internet Of Things
79	23D45A1206	L.RAMESH	Introduction To Internet Of Things

Sample Certificates



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)





This certificate is awarded to

GADDAM MAHIPAL REDDY

for successfully completing the course

Programming in Java

with a consolidated score of **86** %

Online Assignments	25/25	Proctored Exam	60.71/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: 11713

Jul-Oct 2023

(12 week course)



Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No. NPTEL23CS74S737402065

To verify the certificate 

No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

BADUGULA HINDU REDDY

for successfully completing the course

Introduction to Internet of Things



with a consolidated score of **78** %

Online Assignments	24.38/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **25880**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S837403247

To verify the certificate



No. of credits recommended: 3 or 4

4. Competitive Examinations Participants List

S.No	Name of the Student	Exam Name
1	VOGGU AKHIL	Telangana State Level Police Requirement Board Exam
2	GADDAM MAHIPAL REDDY	Telangana State Public Service Commission Exam
3	GADDAM MAHIPAL REDDY	Telangana State Level Police Requirement Board Exam

Competitive Examinations – Hall Ticket Sample

 TELANGANA STATE LEVEL POLICE RECRUITMENT BOARD HALL TICKET FOR PRELIMINARY WRITTEN TEST – 2022 				
Recruitment for the Post(s) Notified in Rc No. 41 / Rect. / Admn-1 / 2022 dated 25-04-2022 and Rc Nos. 45 & 48 / Rect. / Admn-1 / 2022, dated 28-04-2022				
Registration No.	71363605 ----- -----	Exams Date	28-08-2022	Hall Ticket No.
		Exam Time	10 am to 1 pm	26318115
Medium of Examination	English - Telugu			   
Centre Code	26318			
Examination Centre (With Full Address)	Sri Chaitanya School, 17-1/7, Ayyappa Colony Road, Rachappa Estate, Shadnagar, Near TRS Party Office, Hyderabad-509216			
Candidate's Name	VOGGU AKHIL			
Father's Name	VOGGU SRISAILAM			
Mother's Name	VOGGU ANDALU			
Date of Birth	11/06/2002	Gender	Male	
Community	BC-B	Local to Telangana	Y	
Identification Marks: a) A MOLE ON THE RIGHT HAND b)				
		Sir, (V V Srinivasa Rao, IAS) Chairman Telangana State Level Police Recruitment Board		
	Signature of the Candidate taken in the presence of the Invigilator			
	Signature of the Invigilator			
	Name of the Invigilator			
(Please turn over for Important Instructions to the Candidates)				
18-08-2022 08:12:24 PM				

TELANGANA STATE PUBLIC SERVICE COMMISSION - TELANGANA
CALL SHEET FOR RECRUITMENT 243 114 POLICE OFF ASSISTANT / JUDGE'S / MUNICIPAL ASSISTANT
ENGINEER, TECHNICAL OFFICER AND JUNIOR TECHNICAL OFFICER IN VARIOUS ENGINEERING
DEPARTMENTS
NOTIFICATION NO. 108/2022, DATED: 28/08/2022
(GENERAL REGISTRATION-7)
OMY BASED EXAMINATION



Roll Number No.	2100120477		
Candidate Name	GADDAM MAHIPAL REDDY		
Father's Name	GADDAM MALA REDDY		
Mother's Name	GADDAM SANGEETHA		
Gender	Male		
Date of Birth (DD/MM/YYYY)	03/02/2002		
Community	OC		
PH (Vigilance/DisMent)	NIL		
Address with PIN code	H. No. 4-27, WILAMLA RAJAVALLY WEST PRODHUMALI, DISTRICT, KARIMNAGAR		
Mobile No.	9800002282		
Village code, Name & T.D. address	40010 - ST. MARY'S ROAD, DISTRICT-12 (KARIMNAGAR), NDR COLONY, KARIMNAGAR DISTRICT, GUJRANWALA ROAD, KARIMNAGAR DISTRICT		
Exam & Venue	Exam Code	Station	
14000000000000000000	22180 - PH	COMMISSION LDR 1	
14000000000000000000	22101 - AH	Post - 1. District Office, Karimnagar, Karimnagar District, Karimnagar	
14000000000000000000		Post - 2. State Engineering College, Karimnagar, Karimnagar District, Karimnagar	
14000000000000000000		Application No. 2214000000	



1. In case of any change with respect to roll number, candidate name or any other details, the candidate must inform the Commission in writing immediately. If the candidate fails to do so, the Commission will not be responsible for any error. The candidate must also inform the Commission in writing immediately if there is any change in the candidate's address, mobile number, or any other details. The candidate must also inform the Commission in writing immediately if there is any change in the candidate's community, caste, or any other details.

Candidates must keep all the documents given hereunder and must submit to Commission

- The roll Number must be presented for entry into the examination hall along with all the original and self-attested copies of the documents mentioned in the notification. The candidate must also bring a self-attested copy of the candidate's photograph. The candidate must also bring a self-attested copy of the candidate's community certificate. The candidate must also bring a self-attested copy of the candidate's caste certificate. The candidate must also bring a self-attested copy of the candidate's caste certificate. The candidate must also bring a self-attested copy of the candidate's caste certificate.
- The roll Number must be kept in a safe place. The candidate must also bring a self-attested copy of the candidate's photograph. The candidate must also bring a self-attested copy of the candidate's community certificate. The candidate must also bring a self-attested copy of the candidate's caste certificate. The candidate must also bring a self-attested copy of the candidate's caste certificate.

TELANGANA STATE LEVEL POLICE RECRUITMENT BOARD
ADMIT CARD / INTIMATION LETTER
PHYSICAL MEASUREMENT TEST AND PHYSICAL EFFICIENCY TEST - 2022

Post(s) Applied for		Registration Number	
SCT PC Civil and / or Equivalent		1481764	
Name of the Candidate	GADDAM MAHIPAL REDDY ✓	 By: Mahipal Reddy	
Date of Birth	03/02/2002 ✓ UID: 6303666392		
Gender	Male ✓ Local Candidate of Telangana: Yes ✓		
Community	OC ✓ ABO ST Status: -NA-		
Ex-Servicemen Status	No		
Date and Venue of Physical Measurements Test and Physical Efficiency Test			
Venue	Commissionerate Training Centre, Near Deer park, Karimnagar -505001		
Date	21-12-2022	Time: 06:00AM	

- List of Documents to be submitted by the Candidate with reference to PMT / PET Qualification**
- Print-Out of the Part-II Application with Declaration duly Signed by the Candidate
 - Community Certificate* Issued by Government of Telangana, where relevant
 - Ex-Servicemen Certificate (PPO / Discharge Book)* / No-Objection Certificate* (by Personnel yet to be discharged), where relevant

5. Team Work in Laboratory Sessions

S.No	Year/Sem	Name of the Lab	Content Beyond the Syllabus	No of Participants
1.	II/I	Data Structures Lab	Merge Sort	60
2.	II/II	Operating Systems Lab	CPU Scheduling Algorithm	62
3.	II/II	Java Programming lab	Java Script	64
4.	III/I	Software Engineering Lab	Deployment Diagram	61
5.	III/I	Computer Networks & Web Technologies Lab	Collection Classes	63
6.	III/II	Machine Learning Lab	Bayes Theorem	57

Sample Photos



Topic name: CPU Scheduling Algorithm
Year: II year II semester



Topic name: Deployment Diagram
Year: III year I semester



Topic name: Collection Classes
Year: III year I semester



Group Writing Assignments

6. PROFESSIONAL SOCIETIES (LIKE IEEE, CSI, ISTE, IETE) AND VARIOUS CLUB ACTIVITIES

S.No.	Date of the Event	Name of the Professional Societies	Name of the Activity	No. of Students Participated
1.	07.10.2023	CSI	Cyber Suraksha Program	200
2.	14.11.2023	NIPAM	IP Awareness / Training Program	150
3.	03.02.2024	CSI	Real Time Usage of Data Science	320
4.	04.05.2024	CSI	Hands –On Workshop on “Machine Learning Applications with Classification Models”	200

Sample Photos & Certificates

G20
INDIA 2023

Sri Indu College of Engineering & Technology (A)
NBA, NAAC Accredited UGC Autonomous Institution
Recognized under 2(f) and 12(B) of UGC Act 1956 & permanently affiliated to JNTUH

MeltY
University of Hyderabad

Division
07/10/2023
Vare GOVT
HIGH SCHOOL,
Bhadrachalam

CYBER SURAKSHA PROGRAM
Initiative by
Ministry of Electronics and Technology & Computer Society of India
Under G-20 Program

Resource Persons:

TOPICS COVERING IN THIS PROGRAM :-

- How to stay safe online
- How to recognize and avoid online threats
- What to do when you become a victim of cybercrime
- How to use Govt. apps and be safe

CONVENOR
Dr. K. S. Sadasiva Rao
Professor, Dean-CSE

COORDINATORS
Dr. G. Narasimha Chary
Associate Professor, CSE
Ms. MR. R. Anurag
Assistant Professor, CSE

PRINCIPAL
Dr. C. Suresh

Organized By
Sri Indu College of
Engineering and Technology





Estd: 2001

Sri Indu College of Engineering & Technology(A)

NBA, NAAC Accredited UGC Autonomous Institution

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www.sriindu.ac.in



Certificate of Participation

This Certificate is awarded to
N HARINI REDDY, STUDENT of IOT
for actively participated in An Industry Interaction Workshop on "Real
Time Usage of Data Science" On 3rd February, 2024.

Estd.2001

Organized By:

R&D Cell, SICET in association with Department of CSE & Allied Branches

Dr. K.S Sadasiva Rao
Professor, Dean R&D

Dr. G. Suresh
Principal

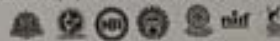


Estd: 2001

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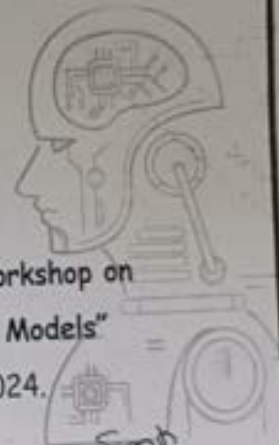
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Certificate of Appreciation

This Certificate is awarded to
J S RADHIKA, Asst. Professor
from the Department of , IT
for their services as Organizer in Hands-On Workshop on
"Machine Learning Applications with Classification Models"
Organized By R&D Cell, SICET On 4th May, 2024.



Dr. K.S Sadasiva Rao
Professor, Dean R&D

Dr. G. Suresh
Principal

7. Participations In Events

TECHFUSION – 24

S.NO	NAME OF EVENT	STUDENT CO-RDINATORS	FACULTY CO-ORDINATOR	NO OF PARTICIPANTS
1	ART GALLERY	KARTHICK (III/IT)	P. VEERANNA	250
2	CODE REFLEX	MD. IRFAN (III/IT)	Y. HARATHI	
3	BRAIN BATTLE	TIRTH PATEL (III/IT)	K. PRIYANKA	
4	TECH TALK	SARATH CHANDRA (III/IT)	J. RADHIKA	
5	CRUMBLY CRUNCH CHALLENGE	SAMRUTH (III/IT)	S. VARSHA REDDY	
6	RHYTHM RIDDLE	RACHIT (III/IT)	J. HEMALATHA	

Sample Photos & Certificates



TechFusion 2024

An Event by IT & CSIT Departments

TECHNICAL EVENTS

- CodeReflex
- Brain Battle(Quiz)
- TechTalk(PPT's)
- Speed Googling
- Scavenger Hunt
- Puzzle Maze

NON-TECHNICAL EVENTS

- Meme Lord
- Art Gallery
- Game Monitoring
- Crumbly Crunch Challenge
- Riddle Quest
- Picto Competition
- Rythm Riddle

**Inauguration of
ingenuiTY &
CSITrend Clubs**



**04
APRIL**

**VENUE
PLACEMENT WING**

**TIME
10:00 AM**

HOD:(IT)
Dr.P.Epsiba

HOD:(CSIT)
Dr.T.Charan Singh

PRINCIPAL
Dr.G.Suresh

**All Faculty Members of
(IT-CSIT)**

Register Now:



STUDENT CO-ORDINATORS
93925 38993 (Sharath), 7995921627(K.Shivani)
8501862861(Manoj),85199 96543(M.Shivani)
96669 64742(Latha),93986 30197(Rishitha)



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TechFusion 2024

An event by Ingenuity & CSITrend club

●●● CODEREFLEX

**WIN
EXCITING PRIZES**

```
#include <stdio.h>
void main()
{
  //Venue:Computer Lab-13
  //Time:11:00am
}
```

**4
APRIL**



**Enroll
Now!**



CONTACT:
8185847964(Irfan),
8919262896(P.Pranay)



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TECH FUSION 2024

BRAIN BATTLE

BATTLE ON : 4 APRIL 2024
STARTS AT: 11:30
BATTLEGROUND: MAINBLOCK(206)



CONTACT:
TIRTH PATEL (8247877126)
MA BASITH (8304945638)
email:
techfusionsicet@gmail.com



**SCAN HERE
TO REGISTER**



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TechFusion 2024

An Event by IT & CSIT Departments

TECH TALK

PPT's



Scan
Now!



Topics:

1. Small quill
2. Blockchain Technology
3. Cyber Security
4. Quntum Computing
5. Artificial Intelligence
6. Cloning
7. Flutter Technology



Participation Certificates Provided

LOCATION

CSE SEMINAR HALL

CONTACT

6304320348(Akshith)

94402 17474(Harshik)

techfusionsicet@gmail.com



UJ002001

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TechFusion 2024

An Event by IT & CSIT Department

CRUMBLY CRUNCH CHALLENGE

04-APRIL-2024



TIMMINGS:
11:00 AM



CONTACT

SAMRUTH-8688446245

NITHIN-7396167556

TECHFUSIONSICET@GMAIL.COM



REGISTER NOW



Sri Indu

College of Engineering & Technology
UGC Autonomous Institution

TechFusion 2024

Rhythm Ridelle

An Event by IT & CSIT

THU | MAIN BLOCK
04 APRIL | SRI INDU COLLEGE
FROM 11 AM



Scan for Registration

Entry Price Rs: 20/- [Base]

*** Cash Price x2 ***

Student coordinators :-
Rachit 9182142888

Neha 9553296835



Sri Indu

College of Engineering & Technology

TechFusion 2024

Art Gallery

An Event by IT & CSIT



04 APRIL



Thursday
Start At 11Am - 12.40Pm

Main Block



Scan for Registration

Student coordinators:
Sajid 7286072160
Karthik 7799882917

techfusionsicet@gmail.com
[techfusion-sicet](https://www.techfusion-sicet.com)

OTHER PARTICIPATION CERTIFICATES IN VARIOUS EVENTS





8. INTERNSHIP

Participants List

S.No	Roll. No	Name of the Student	Name of Organization	No. of days	Tenure
1	21D41A1204	AMIREDDY SADHANA	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
2	21D41A1253	POLYPALLI MOKSHITH GOUD	Cod Soft	1 Month	25 th Nov-25 th Dec-2023
3	21D41A1249	MUNAGALA SHARATH REDDY	Cod Soft	1 Month	25 th Nov-25 th Dec-2023
4	21D41A1240	KURELLA YUVARAJ	Cod Soft	1 Month	25 th Nov-25 th Dec-2023
5	21D41A1254	PONAGANTI SUSHMA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
6	21D41A1248	MUNAGALA NANDITHA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
7	21D41A1242	MADARAM LAVANYA	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
8	21D41A1232	KAMATHAM GOPIKA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
9	21D41A1208	BADUGULA HINDU REDDY	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
10	21D41A1263	THUMMANAPALLY SHIVANI	Cod Soft	1 Month	15 th Nov-15 ^h Dec-2023

11	21D41A1203	ALUSOJU PRANAY KUMAR	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
12	21D41A1235	KASIREDDY SRIVANI	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
13	21D41A1243	MALLEKEDI SHIVANI	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
14	21D41A1230	KADIYALA SHIVANI	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
15	21D41A1237	KONDA HARIPRASAD	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
16	21D41A1236	KASTHALA SHARATH CHANDRA	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
17	21D41A1220	DENDI HARSHIK REDDY	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
18	21D41A1245	MOHAMMAD IRFAN	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
19	21D41A1264	TIRTH PATEL	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
20	21D41A1252	POLKAM NITHIN	Cod Soft	1 Month	10 th Nov-10 th Dec-2023
21	21D41A1241	MA BASITH	Cod Soft	1 Month	15 th Nov-15 th Dec-2023
22	21D41A1229	JOGINI YESHWANTH	Cod Soft	1 Month	25 th Nov-25 th Dec-2023
23	21D41A1224	GOURU SATHVIKA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
24	21D41A1221	DUDDU SRAVANI	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
25	21D41A1233	KAMBHAMPATI SHIVAJI	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
26	21D41A1218	CHIMATA KARTHIK	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
27	21D41A1219	CHUKKA ANUSHA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
28	21D41A1234	KANKANALA PRANATHI	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
29	21D41A1265	YARAGANI NEHA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
30	21D41A1262	THANNIRU SINDHUJA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
31	21D41A1202	ALDAS THARUN KUMAR	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
32	21D41A1213	BUKKA ANUSHA	Cod Soft	1 Month	20 th Nov-20 th Dec-2023
33	21D41A1257	SAPATAPU PAVAN PUTRA AKHIL TEJA REDDY	Cod Soft	1 Month	25 th Nov-25 th Dec-2023
34	22D45A1207	CHALLAKOLUSU RAKESH	Braino vision	5-Days	15 th Sep-24 th Sep-2023
35	22D45A1202	MAREVAR RACHIT KUMAR	Braino vision	5-Days	15 th Sep-24 th Sep-2023
36	21D41A1237	KONDA HARIPRASAD	Braino vision	5-Days	15 th Sep-24 th Sep-2023
37	21D41A1264	TIRTH PATEL	Braino vision	5-Days	15 th Sep-24 th Sep-2023

38	21D41A1252	POLKAM NITHIN	Braino vision	5-Days	15 th Sep-24 th Sep-2023
39	21D41A1250	PALLE PRANAY	Braino vision	5-Days	15 th Sep-24 th Sep-2023
40	21D41A1259	SILVERY SAMRUTH	Braino vision	5-Days	15 th Sep-24 th Sep-2023
41	21D41A1245	MOHAMMAD IRFAN	Cod Soft	1 Month	20 th -Oct-25 th -Nov-2023

Sample Certificates

IBM SkillsBuild Completion Certificate



This certificate is presented to
K Hari Prasad
for the completion of
**IBM SkillsBuild
Intership-Data Analytics
|| CSRBOX**
(PLAN-3C665A29A398)
According to the Your Learning Builder - Plans system of record

Completion date: 14 Nov 2023 (GMT)

**CERTIFICATE OF
COMPLETION**

19/11/2023

This certificate is proudly presented to
PALLE PRANAY

for successful completion of 1 month intership in
Web Development and Designing
with wonderful remarks at **OASIS INFOBYTE**






www.oasisinfobyte.in | 080-0750 | www.oasisinfobyte.com



Certificate
OF COMPLETION
PROUDLY PRESENTED TO

Silvery Samruth

We are happy to certify that Mr./Ms. **Silvery Samruth** has completed one month virtual intership in **Web Development** from 20 September to 20 October, 2023. We appreciate his/her work and Contribution.

20/10/2023
DATE




PROGRAM
MANAGER

CERTIFICATE ID : SUSEP20230035

CodSoft
Coding Classes & Equipment

INTERNSHIP OFFER LETTER

Date : 09/11/2023 ID:CSL1WK120539

Dear,
SRIVANI KASREDDY


We would like to congratulate you on being selected for the "Web Development" intership position with "CodSoft". We at CodSoft are excited that you will join our team.

The duration of the intership will be of **4 weeks**, starting from **10 November 2023 to 10 December 2023**. The intership is an educational opportunity for you hence the primary focus is on learning and developing new skills and gaining hands-on knowledge. We believe that you will perform all your tasks/projects.




As an intern, we expect you to perform all assigned tasks to the best of your ability and follow any lawful and reasonable instructions provided to you.

We are confident that this intership will be a valuable experience for you, we look forward to working with you and helping you achieve your career goals.


Best of Luck!
Thank You!



Founder (CodSoft)

www.codsoft.in
contact@codsoft.in



Exposys Data Labs



Certificate of Internship

TO WHOM IT MAY CONCERN

This is to certify that **Ms. KADAR HARIKA** has completed internship programme on "Data Science" from 15.09.2023 to 14.10.2023.

She took keen interest in the work assigned and successfully completed it. During the period of internship we found her to be punctual, hardworking and inquisitive.

We wish her luck and success in all her future endeavours.

Y Vishnuvardhan

Chief Director



hr@exposysdata.com
www.exposysdata.com



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Hyderabad, T.S.501 510.

DEPARTMENT OF INFORMATION AND TECHNOLOGY

OBJECTIVE TYPE QUESTIONS IN HIGHER LEVEL OF THINKING

(A.Y: 2023-24)

1. Gate Questions
2. Subject wise MCQs
3. Quiz
4. Competitive exam papers

S.No.	YEAR/SEM	SUBJECT	GQ	MCQ	QUIZ	CEP
1.	II /I	Digital Electronics	✓	✓	✓	✓
2.	II /I	Data Structures	✓	✓	✓	✓
3.	II /I	Computer Oriented Statistical Methods	✓	✓	✓	✓
4.	II /I	Computer Organization and Microprocessor	✓	✓	✓	✓
5.	II /I	Introduction to IOT	✓	✓	✓	✓
6.	II/II	Discrete Mathematics	✓	✓	✓	✓
7.	II/II	Business Economics and Financial Analysis	✓	✓	✓	✓
8.	II/II	Operating Systems	✓	✓	✓	✓
9.	II/II	Database Management Systems	✓	✓	✓	✓
10.	II/II	Java Programming	✓	✓	✓	✓
11.	III/I	Business Economics & Financial Analysis	✓	✓	✓	✓
12.	III/I	Software Engineering	✓	✓	✓	✓
13.	III/I	Data Communication & Computer Networks	✓	✓	✓	✓
14.	III/I	Web Technologies	✓	✓	✓	✓
15.	III/I	Principles of Programming Languages	✓	✓	✓	✓
16.	III/I	Artificial Intelligence	✓	✓	✓	✓
17.	III/II	Machine Learning	✓	✓	✓	✓
18.	III/II	Principles of Compiler Construction	✓	✓	✓	✓
19.	III/II	Algorithm Design and Analysis	✓	✓	✓	✓

20.	III/II	Software Testing Methodologies	✓	✓	✓	✓
21.	III/II	Information Technology Essentials	✓	✓	✓	✓
22.	IV/I	Information Security	✓	✓	✓	✓
23.	IV/I	Data Mining	✓	✓	✓	✓
24.	IV/I	Cloud Computing	✓	✓	✓	✓
25.	IV/I	Internet of Things	✓	✓	✓	✓
26.	IV/I	E-Commerce	✓	✓	✓	✓
27.	IV/II	Organizational Behavior	✓	✓	✓	✓
28.	IV/II	Distributed Systems	✓	✓	✓	✓
29.	IV/II	Information Security Fundamentals	✓	✓	✓	✓

1. Sample Gate Exams Question Paper



General Aptitude (GA)

Q.1 – Q.5 Carry ONE mark Each

Q.1	We reached the station late, and _____ missed the train.
(A)	near
(B)	nearly
(C)	utterly
(D)	mostly
Q.2	Kind : _____ : : Often : Frequently (By word meaning)
(A)	Mean
(B)	Type
(C)	Cruel
(D)	Kindly

Q.3	<p>A series of natural numbers $F_1, F_2, F_3, F_4, F_5, F_6, F_7, \dots$ obeys $F_{n+1} = F_n + F_{n-1}$ for all integers $n \geq 2$.</p> <p>If $F_6 = 37$, and $F_7 = 60$, then what is F_1 ?</p>
(A)	4
(B)	5
(C)	8
(D)	9

Q.4	<p>A survey for a certain year found that 90% of pregnant women received medical care at least once before giving birth. Of these women, 60% received medical care from doctors, while 40% received medical care from other healthcare providers.</p> <p>Given this information, which one of the following statements can be inferred with <i>certainty</i>?</p>
(A)	More than half of the pregnant women received medical care at least once from a doctor.
(B)	Less than half of the pregnant women received medical care at least once from a doctor.
(C)	More than half of the pregnant women received medical care at most once from a doctor.
(D)	Less than half of the pregnant women received medical care at most once from a doctor.

Q.5	Looking at the surface of a smooth 3-dimensional object from the outside, which one of the following options is TRUE?
(A)	The surface of the object must be concave everywhere.
(B)	The surface of the object must be convex everywhere.
(C)	The surface of the object may be concave in some places and convex in other places.
(D)	The object can have edges, but no corners.

4. Sample MCQ Question Paper

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
Department of Information Technology
(R22CSI2215) JAVA PROGRAMMING
II YEAR / II SEM

Java Programming MCQ (Multiple Choice Questions)

1. Who invented Java Programming?

- a) Guido van Rossum
- b) James Gosling
- c) Dennis Ritchie
- d) Bjarne Stroustrup

Answer: b

Explanation: Java programming was developed by James Gosling at Sun Microsystems in 1995. James Gosling is well known as the father of Java.

2. Which statement is true about Java?

- a) Java is a sequence-dependent programming language
- b) Java is a code dependent programming language
- c) Java is a platform-dependent programming language
- d) Java is a platform-independent programming language

Answer: d

Explanation: Java is called 'Platform Independent Language' as it primarily works on the principle of 'compile once, run everywhere'.

3. Which component is used to compile, debug and execute the java programs?

- a) JRE
- b) JIT
- c) JDK
- d) JVM

Answer: c

Explanation: JDK is a core component of Java Environment and provides all the tools, executables and binaries required to compile, debug and execute a Java Program.

4. Which one of the following is not a Java feature?

- a) Object-oriented
- b) Use of pointers
- c) Portable
- d) Dynamic and Extensible

Answer: b

Explanation: Pointers is not a Java feature. Java provides an efficient abstraction layer for developing without using a pointer in Java. Features of Java Programming are Portable, Architectural Neutral, Object-Oriented, Robust, Secure, Dynamic and Extensible, etc.

5. Which of these cannot be used for a variable name in Java?

- a) identifier & keyword
- b) identifier
- c) keyword
- d) none of the mentioned

Answer: c

Explanation: Keywords are specially reserved words that can not be used for naming a user-defined variable, for example: class, int, for, etc.

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Information Technology

II Year – II Semester

Subject Name: Operating Systems

Remedial Test (MCQs - Questions)

Multiple Choice Questions:

- 1) Which of the following is not an operating system?
 - a. Windows
 - b. Linux
 - c. Oracle**
 - d. DOS
- 2) What is the maximum length of the filename in DOS?
 - a. 4
 - b. 5
 - c. 8**
 - d. 12
- 3) When were MS windows operating systems proposed?
 - a. 1990
 - b. 1996
 - c. 1992
 - d. 1985**
- 4) What else is a command interpreter called?
 - a. kernel
 - b. prompt
 - c. shell**
 - d. command
- 5) What is the mean of the Booting in the operating system?
 - a. Install the program
 - b. Restarting Computer**
 - c. To scan
 - d. To turn off

5. Sample Quiz Question Paper



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Sheriguda (V), Ibrahimpatnam, R.R.Dist, Hyderabad - 501 510

D4

BR-20

DEPARTMENT OF INFORMATION TECHNOLOGY

SOFTWARE ENGINEERING

1. Software Debugging is a set of activities that can be planned in advance and conducted systematically.
 - a) True
 - b) False**
2. Which of the following is not a software testing generic characteristics?
 - a) Different testing techniques are appropriate at different points in time**
 - b) Testing is conducted by the developer of the software or an independent test group
 - c) Testing and debugging are different activities, but debugging must be accommodated in any testing strategy
 - d) None of the mentioned
3. ITG stands for
 - a) instantaneous test group
 - b) integration testing group
 - c) individual testing group
 - d) independent test group**
4. By collecting _____ during software testing, it is possible to develop meaningful guidelines to halt the testing process.
 - a) Failure intensity
 - b) Testing time
 - c) Metrics**
 - d) All of the mentioned
5. Which of the following issues must be addressed if a successful software testing strategy is to be implemented?
 - a) Use effective formal technical reviews as a filter prior to testing
 - b) Develop a testing plan that emphasizes “rapid cycle testing.”
 - c) State testing objectives explicitly
 - d) All of the mentioned**
6. Which of the following errors should not be tested when error handling is evaluated?
 - a) Error description is unintelligible**

- b) Error noted does not correspond to error encountered
 - c) Error condition causes system intervention prior to error handling
 - d) Error description provide enough information to assist in the location of the cause of the error
7. Which testing is an integration testing approach that is commonly used when “shrink-wrapped” software products are being developed?
- a) Regression Testing
 - b) Integration testing
 - c) Smoke testing**
 - d) Validation testing
8. In which testing level the focus is on customer usage?
- a) Alpha Testing
 - b) Beta Testing
 - c) Validation Testing
 - d) Both Alpha and Beta**
9. What is normally considered as an adjunct to the coding step
- a) Integration testing
 - b) Unit testing**
 - c) Completion of Testing
 - d) Regression Testing
10. Which of the following is not a software testing generic characteristics?
- a) Different testing techniques are appropriate at different points in time**
 - b) Testing is conducted by the developer of the software or an independent test group
 - c) Testing and debugging are different activities, but debugging must be accommodated in any testing strategy
 - d) None of the mentioned



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D4

BR-20

DEPARTMENT OF INFORMATION TECHNOLOGY

SUBJECT: DATA STRUCTURES

TOPIC: QUIZ

1. A queue follows _____:
- a. LIFO principle
 - b. FIFO principle

- c. Linear tree
- d. Ordered array

Answer: (b) FIFO principle

2. The time complexity used for inserting a node in a priority queue on the basis of key is:

- a. $O(n)$
- b. $O(n^2)$
- c. $O(n \log n)$
- d. $O(\log n)$

Answer: (a) $O(n)$

3. Which of these is a postfix expression?

- a. $a+b-c$
- b. $+ab$
- c. $abc*+de-+$
- d. $a*b(c+d)$

Answer: (c) $abc*+de-+$

4. Which data structure do we use for testing a palindrome?

- a. Heap
- b. Tree
- c. Priority queue
- d. Stack

Answer: (d) Stack

5. Which of these will form an inversion in this given array?

$arr = \{2,8,5,3\}$

- a. (2,8)
- b. (8,5), (8,3)
- c. (2,8), (2,5), (1,3)
- d. (8,5), (8,3), (5,3)

Answer: (d) (8,5), (8,3), (5,3)



B.TECH II-I-DATA BASE MANAGMENT(DBMS)- QUIZ(1Hr)-40MARKS

NO NEGITIVE MARKS

1.Consider the following transactions with data items P and Q initialized to zero:

T1: read (P); read (Q); if P = 0 then Q := Q + 1; write (Q); T2: read (Q); read (P); if Q = 0 then P := P + 1; write (P);

Any non-serial interleaving of T1 and T2 for concurrent execution leads to

A serializable schedule



SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF IT & CSIT

II B.TECH - II SEMESTER
JAVA PROGRAMMING (R20CSE2204)

QUIZ

Name of the student *

Short answer text

Mail_Id *

Short answer text

1. Who invented Java Programming? *

- a) Guido van Rossum
- b) James Gosling
- c) Dennis Ritchie
- d) Bjarne Stroustrup

6. Sample Competitive Exam Question Paper

IBPS PO Prelims 2020 Memory Based

Directions (1-4): In each of the questions given below a sentence is given with three words in bold. Choose the option which gives the correct sequence of these words to make the sentence grammatically and contextually correct.

Q1. The role played by human rights organisations in **documenting (A)** and questioning state **component (B)** and excesses is a necessary **functioning(C)** of civil society activism

- (a) BAC
- (b) None of these
- (c) CAB
- (d) BCA
- (e) ACB

Q2. The C&AG's observations in its **divisible (A)** audit report relate to the denial of States' **financial (B)** in the **share(C)** taxes pool.

- (a) CBA
- (b) BAC
- (c) ACB
- (d) None of these
- (e) BCA

Q3. Many countries have chosen to ignore the connection between biodiversity and well-being, and **pursuit (A)** ecological capital in **prosperity (B)** of financial **depleted (C)**.

- (a) None of these
- (b) CAB
- (c) ABC
- (d) BCA
- (e) CBA

Q4. Gandhi's repeated **thought (A)** on service to all human beings from all traditions of **emphasis (B)** was the **essence (C)** of his non- violent democratic theory.

- (a) ABC
- (b) ACB
- (c) CAB
- (d) BAC
- (e) None of these

Directions (5-7): Which of the phrase/ word from the options (a), (b), (c) and (d) given below each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? If the sentence is correct as it is, mark (e) i.e., "No replacement required" as the answer.

Q5. A truck had **assumingly collide** with a car.

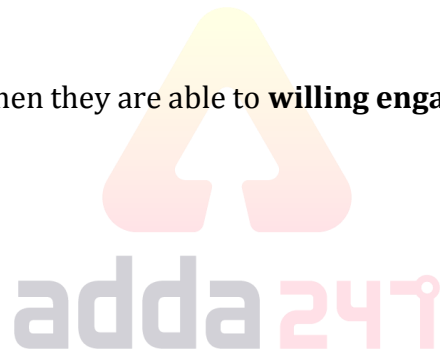
- (a) evidently collided
- (b) consequently met
- (c) virtually received
- (d) tremendously mishap
- (e) No replacement required

Q6. The politicians **makes vague promise** about tax cuts.

- (a) has promises
- (b) would recalled policies
- (c) made vague promises
- (d) should conflict promise
- (e) No replacement required

Q7. Students feel autonomous when they are able to **willing engage** time and energy to their studies

- (a) Readily devoted
- (b) full assign
- (c) willingly devote
- (d) cooperate willingly
- (e) None of these



Directions (8-12): In each of the questions given below, a sentence has been divided into FIVE parts. Rearrange the parts of the sentence to make a grammatically correct and contextually meaningful statement.

Q8. (A) a health bulletin released by the Delhi government

- (B) in the Capital in the past 24 hours taking
- (C) as many as 3,227 new COVID-19 cases were reported
- (D) the total number of cases
- (E) to 2,76,325, according to

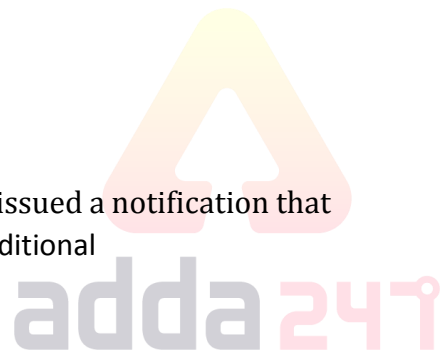
- (a) EACDB
- (b) CBDEA
- (c) No rearrangement required
- (d) BDCEA
- (e) DEABC

Q9. (A) The Delhi High Court allowed
(B) the CBI and ED's appeal
(C) former Telecom Minister A. Raja and others
(D) for an early hearing on its leave to appeal
(E) against the 2G case verdict acquitting
(a) ABDEC
(b) CBDAE
(c) DABEC
(d) BDECA
(e) No rearrangement required

Q10. (A) intensify their agitation from October 1,
(B) which will include an indefinite "rail roko"
(C) protest and the social boycott of political leaders
(D) farmer outfits announced
(e) that they would
(a) No rearrangement required
(b) CBDAE
(c) DEABC
(d) BDECA
(e) ACDBE

Q11. (A) Maharashtra Governor issued a notification that
(B) will enable tribal and other traditional
(C) forest dwelling families to
(D) build houses in the
(E) neighbourhood forest areas.
(a) ACDBE
(b) CBDEA
(c) DAEBC
(d) BEDCA
(e) No rearrangement required

Q12. (A) of the failure of due process
(B) the controversies surrounding
(C) the reality that the
(D) movement itself is a result
(E) 'Me Too' are complicated by
(a) ACDBE
(b) CBDEA
(c) DAEBC
(d) BECDA





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Hyderabad, T.S.501 510.

DEPARTMENT OF INFORMATION TECHNOLOGY

Real Time Assignments and Case Studies

(A.Y: 2023-24)

S. No.	List of Real Time Assignments and Case studies
1.	Face Detection
2.	College website development
3.	Online Auction system
4.	Evaluation of Academic performance
5.	E- Authentication system
6.	Cursor movement on Object motion
7.	Crime rate prediction
8.	Android battery Saver system
9.	Symbol Recognition
10.	Public news droid
11.	Search Engine
12.	Online e-book maker
13.	Mobile wallet with merchant payment

SAMPLE DOCUMENTS OF REAL TIME & CASE STUDIES

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

TITLE : COLLEGE WEBSITE DEVELOPMENT

Student Name	21D41A1204 – A. Sadhana
	21D41A1230 – K. Shivani
	21D41A1232 – K. Gopika
Faculty In-Charge	Mrs. J. Radhika

Abstract

This page is based on college website. In other word this website is a huge collection of data related with each and every individual of management. A website is a collection of Web pages,images, videos and other digital assets that is hosted on one or several Web server,usually accessible via the Internet,cell phone or a LAN. The pages of websites can usually be accessed from a common root URL called the homepage,and usually reside on the same physical server. The URLs of the pages organize them into a hierarchy, although the hyperlinks between them control how the reader perceives the overall structure and how the traffic flows between the different parts of the sites. A website requires attractive design and proper arrangement of links and images, which enables a browser to easily interpret and access the properties of the site. A website is a collection of Web pages,images, videos and other digital assets that is hosted on one or several Web server,usually accessible via the Internet, cell phone or a LAN. A website requires attractive design and proper arrangement of links and images, which enables a browser to easily interpret and access the properties of the site. Hence it provides the browser with adequate information and functionality about the organization, community, network etc. A website is a collection of Web pages,images, The URLs of the pages organize them into a hierarchy, although the hyperlinks between them control how the reader perceives the overall structure and how the traffic flows between the different parts of the sites.

TITLE : E- AUTHENTICATION SYSTEM

Student Name	21D41A1208 – B. Hindu Reddy
	21D41A1221 – D. Sravani
	21D41A1235 – K. Srivani
Faculty In-Charge	Mrs. K. Priyanka

Abstract

This paper proposes an authentication system that combines One-Time Password (OTP) and Quick Response (QR) code technologies to enhance security and user experience. The system generates an OTP and a unique QR code for each authentication attempt, which can be scanned using a mobile device to complete the authentication process. The QR code contains encrypted information about the user's identity and the OTP, which is verified by the server. The proposed system provides a secure, convenient, and efficient method for user authentication, which is crucial in today's digital world. An e-authentication system that uses OTP and QR code technology is a secure and efficient method for authenticating users in online transactions. This system combines the benefits of OTP and QR code technology to provide a two-factor authentication mechanism that is convenient for users and effective in preventing unauthorized access. This system aims to address the vulnerabilities of traditional username and password authentication by providing an additional layer of security through two-factor authentication. the system aims to prevent unauthorized access to online services and transactions. The system aims to provide a userfriendly and convenient authentication method that can be easily integrated into existing online platforms. It protect sensitive information and ensure that only authorized users can access online services and transactions.

TITLE : CRIME RATE PREDICTION

Student Name	21D41A1234 – K. Pranathi
	21D41A1252 – Nithin
	21D41A1261 – T. Shalini
Faculty In-Charge	Mrs. Y. Harathi

Abstract

Abstract - Crime is one of the biggest and dominating problem in our society. Daily there are huge number of crimes committed frequently. Here the dataset consists of the date and the crime rate that has taken place in the corresponding years. In this project the crime rate is only based on the robbery. We use linear regression algorithm to predict the percentage of the crime rate in the future by using the previous data information. The date is given as an input to the algorithm and the output is the percentage of the crime rate in that particular year.

TITLE : SEARCH ENGINE

Student Name	21D41A1245 – Md. Irfan
	21D41A1246 – Md. Tajudeen
	21D41A1250 – P. Pranay
Faculty In-Charge	Mrs. S. Varsha Reddy

Abstract

Abstract People have a high level of trust in search engines, especially Google, but only limited knowledge of them, as numerous studies have shown. This leads to the question: To what extent is this trust justified considering the lack of familiarity among users with how search engines work and the business models they are founded on? We assume that trust in Google, search engine preferences, and knowledge of result types are interrelated. To examine this assumption, we conducted a representative online survey with $n = 2,012$ German internet users. We show that users with little search engine knowledge are more likely to trust and use Google than users with more knowledge. A contradiction revealed itself — users strongly trust Google, yet they are unable to adequately evaluate search results. This may be problematic since it can potentially affect knowledge acquisition. Consequently, there is a need to promote user information literacy to create a more solid foundation for user trust in search engines.

TITLE : ONLINE E-BOOK MAKER

Student Name	21D41A1236 – K. Sarath Chandra
	21D41A1259 – S. Samruth
	21D41A1264 – Tirth Patel
Faculty In-Charge	Mr. P. Veeranna

Abstract

Purpose To describe how an e-books project was set up at the University of Worcester Information and Learning Services with the aim to improve user access to the range of textbook materials available. **Methodology/Approach** Details of the background and circumstances of the University and the effect of these on the process undertaken by the e-books project group are described. The selection of an e-books provider and subsequent ordering, cataloguing and promotion activities are outlined. **Findings** This paper outlines the importance of tailoring the approach to e-books acquisition to the individual institution. It is found that authentication is a major issue and that for ebooks packages to be successful, technical problems need to be kept to a minimum. **Practical Implications** Examples to assist others in setting up e-books provision are given. Technical difficulties and the range of titles available are both impediments to providing a full ebooks service. **Originality/ Value of the Paper** E-books appear to provide greater access and flexibility to library users. Information and Learning Services fully intend to extend the range of e-books available to students. This paper looks at the practicalities of setting up and expanding such a service.



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DEPARTMENT OF INFORMATION TECHNOLOGY

Collaborative Learning Model

(A.Y: 2023-24)

OBJECTIVE:

Learn how to work cooperatively and support each other. Develop effective teamwork and communication (including interpersonal and cross cultural awareness) skills. Assimilate multiple views to deepen knowledge and promote critical thinking. Foster individual accountability to the team.

Role of Teachers:

Group the students to perform the given task. Framing assignments or group activities for the students that improve their creative and soft skills. Giving feedback to student for their improvement..

1. Group Assignments
2. Students Seminar
3. Team collaboration in practical session

GROUP ASSIGNMENTS



SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY, Sheriguda (V), R.R.Dist.
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DEPARTMENT OF INFORMATION TECHNOLOGY

ASSIGNMENT -2

YEAR / SEM: III YEAR / I SEM

A.Y:2023-2024

SUB.CODE/NAME: R20CSE2207 / SOFTWARE ENGINEERING

Date: 25.09.2023

Batch. No	Assignment Questions	CO's	Register Number
1.	<ol style="list-style-type: none">1. What is software architecture?2. List the guidelines for data design?3. Define transform mapping4. Explain design process and design quality in detail?5. Explain in detail about RMMM and RMMM Plan?	CO4 CO5 CO4 CO6 CO6	21D41A1201 TO 21D41A1205

2.	<ol style="list-style-type: none"> 1. List the architectural styles? 2. Define the advantages of horizontal partitions? 3. Distinguish coupling and cohesion with an example? 4. Describe integration testing? 5. Explain in detail art of debugging process 	CO4 CO4 CO5 CO4 CO5	21D41A1206 TO 21D41A1210
3.	<ol style="list-style-type: none"> 1. What is a metric? 2. Describe process assessment? 3. Explain in detail metrics for analysis model? 4. Describe Risk Projection 5. Discuss about Reactive vs. Proactive Risk strategies? 	CO6 CO6 CO5 CO6 CO5	21D41A1211 TO 21D41A1215
4.	<ol style="list-style-type: none"> 1. What is architectural design 2. Define Quality? 3. Discuss any four useful indicators for software quality? 4. Explain in detail about software Risk 5. What are the guidelines to be applied when we collect software metrics? Explain the metrics for software measurement. 	CO4 CO4 CO5 CO6	21D41A1216 TO 21D41A1220
5.	<ol style="list-style-type: none"> 1. Define software measurement 2. What is the purpose of software testing? 3. Differentiate between Risk projection and Risk refinement. 4. Differentiate between White-box testing and Black-box testing 5. Write a short note on Risk refinement, mitigation, monitoring and management 	CO4 CO4 CO5 CO4 CO5	21D41A1221 TO 21D41A1225
6.	<ol style="list-style-type: none"> 1. Define RMMM? 2. Describe few words about black box testing? 3. A. List the metrics for design model? B. List the software measurement? 4. Explain in detail software tools for project & product metrics 5. Discuss any four useful indicators for software quality. 	CO6 CO5 CO5 CO6	21D41A1226 TO 21D41A1230
7.	<ol style="list-style-type: none"> 1. Discuss about Quality concepts. Write a short note on Software Quality Assurance? 2. Explain architectural styles and architectural patterns 3. What is meant by risk estimation? 4. What is Debugging? Discuss the Debugging strategies? 5. State the guidelines for formal technical reviews. 	CO4 CO5 CO6 CO5 CO5	21D41A1231 TO 21D41A1235
8.	<ol style="list-style-type: none"> 1. List the software Risks 2. Define the advantages of function oriented metrics 	CO5 CO4	21D41A1236 TO

	<ol style="list-style-type: none"> 3. What do you mean by Risk Projection. 4. Write metrics for Source code and Design model 5. What is a software review? Discuss in detail about software review 	<p>CO5</p> <p>CO6</p> <p>CO6</p>	21D41A1240
9.	<ol style="list-style-type: none"> 1. Define Risk management? 2. Differentiate between White-box testing and Black-box testing. 3. Discuss Metrics for Software Quality 4. Discus any four useful indicators for software quality 5. What is meant by risk estimation? 	<p>CO4</p> <p>CO4</p> <p>CO5</p> <p>CO4</p> <p>CO5</p>	21D41A1241 TO 21D41A1245
10.	<ol style="list-style-type: none"> 1. Describe few words about white box testing 2. Define measure, metric and indicator. 3. Explain RMMM plan 4. Write ISO 9000 quality standards. 5. Explain Reactive vs Proactive risk strategies. 	<p>CO4</p> <p>CO5</p> <p>CO6</p> <p>CO5</p> <p>CO6</p>	21D41A146 TO 21D41A1250
11.	<ol style="list-style-type: none"> 1. Write about quality concepts? 2. Explain about risk refinement? 3. Explain about system testing? 4. Define class diagram, sequence diagram, collaboration diagram? 5. List the design concepts? 	<p>CO4</p> <p>CO4</p> <p>CO5</p> <p>CO5</p> <p>CO5</p>	21D41A1251 TO 21D41A1255
12.	<ol style="list-style-type: none"> 1. Explain Component diagram, use case diagram? 2. Explain metrics for Source code? 3. Define test strategies for conventional software? 4. Define RMMM, RMMM plan? 5. Explain design concepts in detail? 	<p>CO4</p> <p>CO4</p> <p>CO5</p> <p>CO4</p> <p>CO5</p>	21D41A1256 TO 21D41A1260
13.	<ol style="list-style-type: none"> 1. State the guidelines for formal technical reviews 2. What is a process pattern? Describe the template of a process pattern with an Example? 3. Discuss about validation testing and system testing? 4. What is Debugging? Discuss the Debugging strategies? 5. What is design process and design quality? 	<p>CO4</p> <p>CO4</p> <p>CO4</p> <p>CO3</p> <p>CO4</p>	21D41A1261 TO 21D41A1265
14.	<ol style="list-style-type: none"> 1. Why Risk Refinement is needed?? 2. Why test strategies are needed for Conventional Software? 3. Discuss ISO 9000 Quality Standards in detail? 4. List Metrics for Testing? 5. Discuss about Quality concepts. Write a short note on Software Quality Assurance? 	<p>CO6</p> <p>CO4</p> <p>CO4</p> <p>CO4</p> <p>CO5</p>	21D41A1266 TO 21D41A1269



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DEPARTMENT OF INFORMATION TECHNOLOGY
ASSIGNMENT - 1

YEAR / SEM: III YEAR / I SEM

A.Y:2023-2024

SUB.CODE/NAME : (R20CSE3113) PRINCIPLES OF PROGRAMMING LANGUAGES

Date: 25.09.2023

Batch. No	Assignment Questions	CO's	Register Number
1.	1.Explain the compilation process? 2.Explain various programming paradigms? 3. Write the disadvantages of Aliasing? 4.List of the language categories? 5.Define imperative languages	CO1 CO2 CO3 CO1 CO2	21D41A3301 TO 21D41A3305
2.	6.Define the parse tree? 7.Define the synthesized attributes? 8.Define the token? 9.define the EBNF with an example? 10.Explain the formal methods of BNF	CO1 CO2 CO3 CO1 CO2	21D41A3306 TO 21D41A3310
3.	11.Explain the Reasons for studying principles programming languages? 12.Write about the Grammar? 13.Write the general problem of describing syntax? 14. Solve a parse tree and leftmost derivation for the statement: $A=(A+B)*C$ Given grammar is: $\rightarrow = \rightarrow$ $A/B/C \rightarrow + / \rightarrow * / \rightarrow () /$ (applying) 15. Describe the basic concept of denotational semantics?	CO1 CO2 CO3 CO1 CO3	21D41A3311 TO 21D41A3315

4.	<p>16. Explain Named Constants? Compare the design issues related to constants in any two programming language?</p> <p>17. Define mixed mode assignment statement?</p> <p>18. Define expression? Give example?</p> <p>19. Define Type Checking and Strong Typing?</p> <p>20. State the design issues of selection statements</p>	<p>CO3</p> <p>CO2</p> <p>CO1</p> <p>CO2</p> <p>CO2</p>	<p>21D41A3316 TO</p> <p>21D41A3320</p>
5.	<p>21. Write the general problem with static scoping?</p> <p>22. How is a reference to a non-local variable in a static scoped program connected to its definition?</p> <p>23. Define data Type? Explain About Primitive and non-primitive data type?</p> <p>24. Discuss unconditional statement? Give examples?</p> <p>25. Define a pointer and with example?</p>	<p>CO3</p> <p>CO2</p> <p>CO3</p> <p>CO2</p> <p>CO2</p>	<p>21D41A3321 TO</p> <p>21D41A3325</p>
6	<p>26. Write a data type and What are types?</p> <p>27. Illustrate the example of Regular Expression?</p> <p>28. Write about overloaded Subprograms?</p> <p>29. Discuss object oriented features, programming features in smalltalk?</p> <p>30. Discuss basic elements of prolog?</p>	<p>CO3</p> <p>CO2</p> <p>CO2</p> <p>CO3</p> <p>CO1</p>	<p>21D41A3326 TO</p> <p>21D41A3330</p>
7.	<p>31. Explain about the mixed mode assignment?</p> <p>32. Explain various data types supported in python?</p> <p>33. Explain about types of assignment statements?</p> <p>34. Discuss the design issues for subprograms and functions?</p> <p>35. Discuss about the Ambiguous grammar?</p>	<p>CO3</p> <p>CO2</p> <p>CO1</p> <p>CO2</p> <p>CO2</p>	<p>21D41A3331 TO</p> <p>21D41A3335</p>
8.	<p>36. Discuss about the un Ambiguous grammar?</p> <p>37. Define the example Ambiguous grammar?</p> <p>38. Discuss about the un-Ambiguous grammar with an example?</p> <p>39. Define the top-Down parse tree?</p> <p>40). What are the two kinds of abstraction in programming languages?</p>	<p>CO2</p> <p>CO2</p> <p>CO3</p> <p>CO1</p> <p>CO1</p>	<p>21D41A3336 TO</p> <p>21D41A3340</p>
9.	<p>41. Discuss about the Parent Attribute with an</p>	<p>CO2</p>	<p>21D41A3341</p>

	<p>example?</p> <p>42. Discuss about the Synthesized attributes with an example?</p> <p>43. Define the Child attributes with an example?</p> <p>44. Discuss about the BNF ?</p> <p>45. Define the EBNF notation?</p>	<p>CO1</p> <p>CO3</p> <p>CO2</p> <p>CO2</p>	<p>TO</p> <p>21D41A3345</p>
10.	<p>46. Discuss about the program of ALGOL-68?</p> <p>47. Discuss about the ADA program?</p> <p>48. Explain the features of COBOL?</p> <p>49. Define the Features of FORTRAN? 5</p> <p>50. Define the names and variable's concepts?</p>	<p>CO1</p> <p>CO2</p> <p>CO3</p> <p>CO2</p> <p>CO1</p>	<p>21D41A3346</p> <p>TO</p> <p>21D41A3350</p>
11.	<p>51. Write the Pascal programming applications?</p> <p>52. Discuss about the compound statements?</p> <p>53. Discuss about the dynamic binding?</p> <p>54. Discuss about the Applications of C++ language?</p> <p>55. Explain the applications ALGOL-60?</p>	<p>CO1</p> <p>CO2</p> <p>CO3</p> <p>CO2</p> <p>CO3</p>	<p>21D41A3351</p> <p>TO</p> <p>21D41A3355</p>
12.	<p>56. Describing the Meaning of Dynamic semantics?</p> <p>57. Explain about the Attribute grammar?</p> <p>58. Discuss about the Associativity of operations?</p> <p>59. Explain the static binding?</p> <p>60. Define the type checking and named constants</p>	<p>CO2</p> <p>CO2</p> <p>CO2</p> <p>CO1</p> <p>CO3</p>	<p>21D41A3356</p> <p>TO</p> <p>21D41A3360</p>
13.	<p>61. Define the formal methods of describing syntaxes?</p> <p>62. Explain the general problem Describing syntax?</p> <p>63. Define the type compatibility?</p> <p>64. Explain about the operational semantics?</p> <p>65. Define the Axiomatic semantics</p>	<p>CO2</p> <p>CO1</p> <p>CO2</p> <p>CO3</p> <p>CO1</p>	<p>21D41A3361TO</p> <p>21D41A3364</p>
14.	<p>66. Define the heap management?</p> <p>67. Discuss about the Evaluation of Axiomatic semantics?</p> <p>68. Explain the grammar symbols?</p> <p>69. Define context free grammar?</p> <p>70. what are the applications of type checking?</p>	<p>CO2</p> <p>CO2</p> <p>CO3</p> <p>CO2</p> <p>CO1</p>	<p>22D453301TO</p> <p>22D453305</p>

STUDENTS SEMINAR

Semester - I

S.No.	Year/ Sem	Roll. No.	Name Of The Student	Topic
1.	II/I	22D41A1226	K. HARIKA	Binary Tree
2.	II/I	22D41A1243	M. SRAVANTHI	Priority Interrupt
3.	II/I	22D41A1235	K. PRANAY	Poisson Distribution
4.	II/I	22D41A1215	C. SUPRIYA	1X2 De-Multiplexer
5.	III/I	21D41A1213	B. ANUSHA	Building Blocks of UML
6.	III/I	21D41A1208	B. HINDU REDDY	Java Script
7.	III/I	21D41A1264	TIRTH PATEL	Normalization
8.	III/I	21D41A1204	A. SADHANA	Process Models
9.	III/I	21D41A1246	M. TAJUDDIN	Neural Network
10.	III/I	21D41A1261	T. SHALINI	Consequences of Bugs
11.	IV/I	20D41A1225	K. RATNA PRAKASH RAJ	Seminar on Edge Computing
12.	IV/I	20D41A1219	K. HARIKA	Seminar on IOT
13.	IV/I	20D41A1249	S. RAJA SREE	Seminar on Wireless Sensor Networks
14.	IV/I	20D41A1226	K. RAJU	Seminar on IOT based Smart Irrigation System

Sample Photos



Seminar on "Binary Tree"



Seminar on "Priority Interrupt"



Seminar on Edge Computing



Seminar on IOT



Seminar on Wireless Sensor Networks



Seminar on IOT based Smart Irrigation System

Class : IV B.Tech. I Sem
Teacher : Ms. J. Radhika
Activity : Students Seminar
Student Name: K. Raju (20D41A1226)
Topic : Ransomware

Sri Indu College of Engineering and Technology
Topic : Ransomware
 Name : K. Raju
 Roll no. : 20D41A1226
 Department : Information Technology

Contents

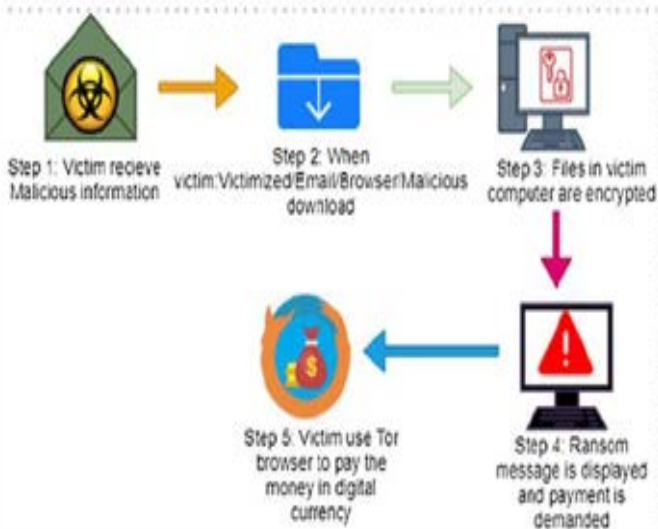
- Definition of Ransomware
- History
- How it works?
- Bitcoin
- Impact of this attack
- What victim should do?
- Types of Ransomware
- How to avoid Ransomware
- Facts about Ransomware
- Statistics
- Conclusion

Definition of Ransomware?

- It is a type of malware that restricts access to the infected computer system way , and demands that the user pay a ransom to the malware operators to remove the restriction.
- This malware locked all the data in the computer and displayed a message.
- Demanding a ransom in exchange to unblock the data
- Malware : It is a file typically delivered over a network, that steals any behavior an attacker wants.

History

- The first known ransomware was the 1989 "AIDS" trojan (also known as " PC Cyborg ") written by Joseph Popp.
- The first documented ransomware, AIDS Trojan or PC Cyborg, was delivered at the World Health Organization's AIDS conference in 1989 using floppy disks, demanding a payment to be sent to a postal office box in Panama. This malicious code was not encrypting the files content as we know it today, but the filenames only.



Bitcoins

- Bitcoins are a form of cryptocurrency , meaning they do not have a physical representation.
- They are stored in anonymous digital wallets.
- They can be transferred anywhere in the world via the Internet . They can be paid from anywhere ,to anywhere with total anonymity.

Impact of this attack

- WannaCry shutdown many businesses across the globe , including the European manufacturing plants of automative giants Nissan.
- \$1700 Amount paid by the Hollywood Presbyterian Medical center in 2016 to unlock files and return to business as usual.
- 209 million Amount paid in 2016 to cyber-criminals using ransomware.

What a victim should do?

- Never pay Ransom.
- The best option is to restore the data from backup.
- Try decrypting the files using recovery tools.
- Work with data recovery experts who can reverse engineer malware and help gain access to your data.
- Some of the recovery tools are:
 - ComboFix (freeware)
 - HijackThis (freeware),
 - SuperAntiSpyware (\$30)

Types of Ransomware Attacks

Locker Ransomware

- This malware prevents basic computer processes from functioning.
- For Example, you may be denied access to the desktop while the mouse and keyboard are partially disabled.

Crypto Ransomware

- Here the goal is to encrypt your vital data, such as documents, photos and videos, while not interfering with computer functionality.
- Crypto developers frequently include a countdown to their ransom demand.

How to avoid Ransomware

- Avoid to click the unknown emails.
- Don't download any unknown applications.
- Don't click on suspicious links offering gifts.
- Don't provide confidential information through internet.
- Keep update the system backup for the recovery.
- Update anti-virus software.
- Spread awareness among people to identify scams, malicious links and emails.

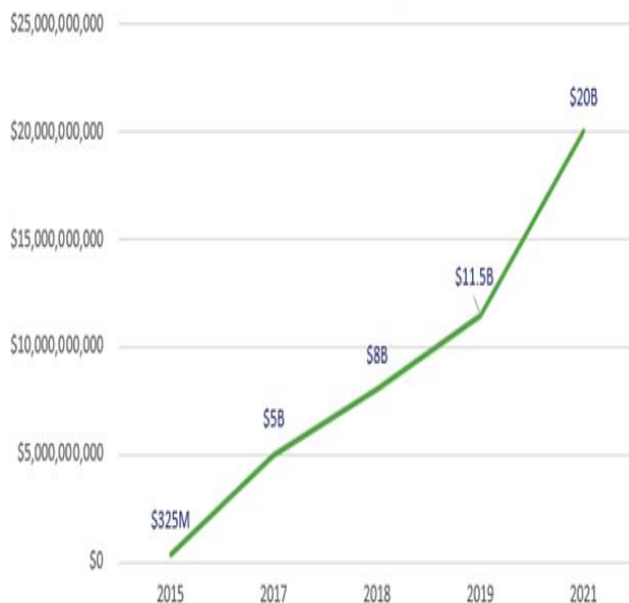
Companies effected by Ransomware



Some fact About Ransomware

- Typically ransomware software uses RSA 2048 Encryption to encrypt files.
- An average desktop computer is estimated to take around 6.4 quadrillion years an RSA 2048 Key.

Predicted Ransomware Damages 2015-2021



Recent Cases

- >Recently, the All India Institute of Medical Sciences (AIIMS), the country's foremost healthcare institution, reported a large cyber hacking as the result of a ransomware attack.
- >The cyber-attack caused a server outage, which disrupted daily hospital operations like appointments, patient registration, discharge, and more.

Conclusion

- When it comes to malware attacks , knowledge is the best possible weapon to prevent them .**Be careful what you click!!**
- Preventive measures should be taken before ransomware establish strong hold . Keeping all the software updated and getting latest security updates might help to prevent the attack.

TEAM COLLABORATION IN PRACTICAL SESSION





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DEPARTMENT OF INFORMATION TECHNOLOGY

Simulation Tools And Virtual Labs

(A.Y: 2023-24)

S.No	YEAR/SEM	LAB CODE	NAME OF THE LABORATORY	SOFT WARE	VIRTUAL LABS LINK	DURATION
1.	II/I	R22CSE2126	Data Structures Lab	Turbo C	https://ds1-iiith.vlabs.ac.in/List%20of%20experiments.html	5 Sessions
2.	II/I	R22ECE2126	Digital Electronics Lab	-	https://dec-iitkgp.vlabs.ac.in/List%20of%20experiments.html	5 Sessions
3.	II/II	R22CSE2226	Operating Systems Lab	Turbo C	https://www.cse.iitb.ac.in/~mythili/os/	3 Sessions
4.	II/II	R22CSI2228	Java Programming lab	Java Developer Kit	https://java-iitd.vlabs.ac.in/	3 Sessions



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DEPARTMENT OF INFORMATION TECHNOLOGY

Project based learning

(A. Y: 2023-24)

YEAR/SEM: 1V B.TECH (IT) (MAJOR PROJECT)

BATCH NO.	S.NO	ROLL NOS	STUDENT NAMES	PROJECT TILE
1	1	20D41A1226	KARNE RAJU	Empowering voters with AI Driven smart cast voting system AI algorithms.
	2	20D41A1252	TOORPU MANASA	
	3	20D41A1238	MOHAMMAD SHAHBAZ	
	4	20D41A1228	KUKKAMUDI VINAY	
2	5	20D41A1233	MALGIREDDY NIKHITHA	Deep learning approach to build a yoga AI trainer and pose detector.
	6	20D41A1231	LAKKAKULA SIRI HASINI	
	7	20D41A1214	GANGAVATH SRINIVAS	
	8	20D41A1230	KUNCHAM YADAGIRI	
3	9	20D41A1234	MAMIDI SHIVA KUMAR	Detection of helmet voilations and vehicle number plate recognition for safety and survellaince.
	10	20D41A1213	EMMIDI KEERTHI	
	11	20D41A1237	MARIYADA RAMA KRISHNA REDDY	
	12	20D41A1211	DOPPALAPUDI CHARAN HARSHA	
4	13	20D41A1248	SATHURU MOUNUSHA	Braintumour detection using deep learning.
	14	20D41A1257	VENEPALLY THAPASWI	
	15	20D41A1258	VOGGU AKHIL	
	16	20D41A1202	A KESHAVA	
	17	20D41A1208	BONTHA VIVEK REDDY	
5	18	20D41A1219	KADAR HARIKA	An object oriented web text model for testing web application.
	19	20D41A1204	ATIF ABDUL RAHEEM	
	20	20D41A1209	CHANDA VINAY KUMAR REDDY	
	21	20D41A1240	NAREDDY VARUN REDDY	

6	22	20D41A1215	G.AKSHITHA REDDY	A Hybrid method to enhance smart traffic management in cities using machine learning.
	23	20D41A1212	DURGAM ROHAN YADAV	
	24	20D41A1224	KANDULA VAMSHI	
	25	20D41A1223	KAMBHAMPATI SHILPA	
7	26	21D45A1201	G.MAHIPAL REDDY	A Sophisticated java based banking web application for smart and safe banking.
	27	21D45A1204	MOHAMMAD OSAMA RAYYAN	
	28	20D41A1210	CHITTIMALLA PRAVEEN	
	29	21D45A1203	KAMPETI SHIVA SAI	
	30	21D45A1241	N VAMSHI RAM	
8	31	20D41A1220	KALAKONDA SRIKANTH	Doctor appointment system with python and Django.
	32	20D41A1243	POOSA ARJUN	
	33	20D41A1205	BALDURI KAVYA	
	34	20D41A1239	NARAPOLU NAGESH	
9	35	20D41A1245	RAMAVATH RAHUL	AI Powered farmer friendly insecticide recommendation systems and learn to decrease diagnosis.
	36	20D41A1247	SAMA HARSHITHA	
	37	20D41A1250	SRIPATHI MOUNIKA	
	38	20D41A1254	VALEMONI VINOD KUMAR	
10	39	20D41A1244	RACHHA ABHINAYA SRI	Enabling authorised encrypted search for multi authority medical databases.
	40	20D41A1206	B KEERTHANA	
	41	20D41A1229	KUNAPULI VENKATA SAI ADITYA	
	42	20D41A1222	K RUCHI REDDY	
11	43	20D41A1216	INTI BHAVANA	An AI driven system for the primary identification of dermatological illness.
	44	20D41A1246	REGALLA KAUSHIK REDDY	
	45	21D45A1203	A CHANDANA	
	46	21D45A1202	JARAPLA ARUN	
12	47	20D41A1217	JADALA MAMATHA	Smart AI and ML techniques to identify path holes for a secure and safe driving system in autonomous vehicles.
	48	20D41A1251	THODIMA PREETHI	
	49	20D41A1256	VATTIKOTI AKHIL	
	50	20D41A1235	MANDA SANDEEP KUMAR	
13	51	20D41A1218	JETTY KUSHAL KUMAR	Text to voice translator application for blind persons assistant system.
	52	20D41A1253	VAJRAPU UTHAM	
	53	20D41A1207	BILLAKANTI NIHARIKA	
	54	20D41A1255	VANGALA ESHWAR REDDY	

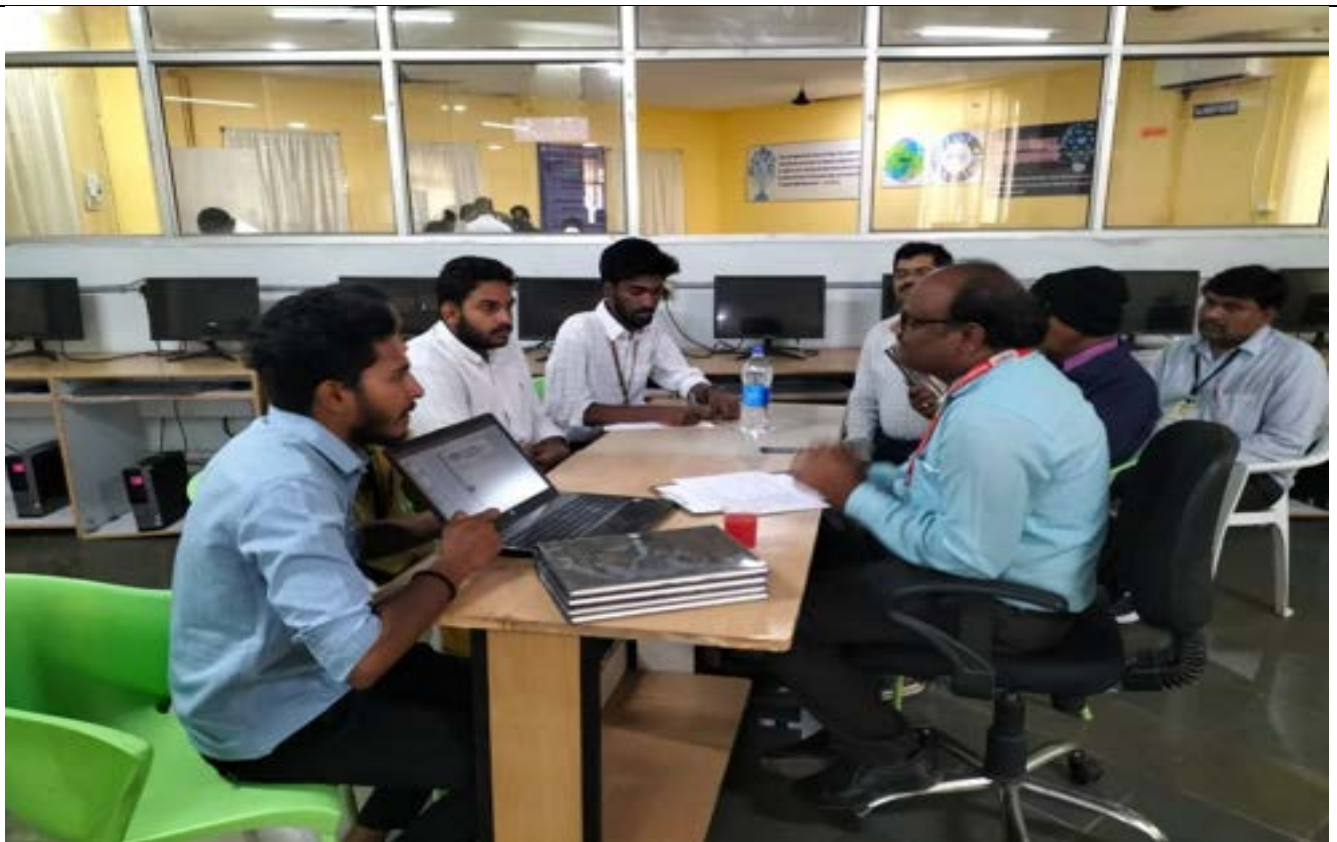
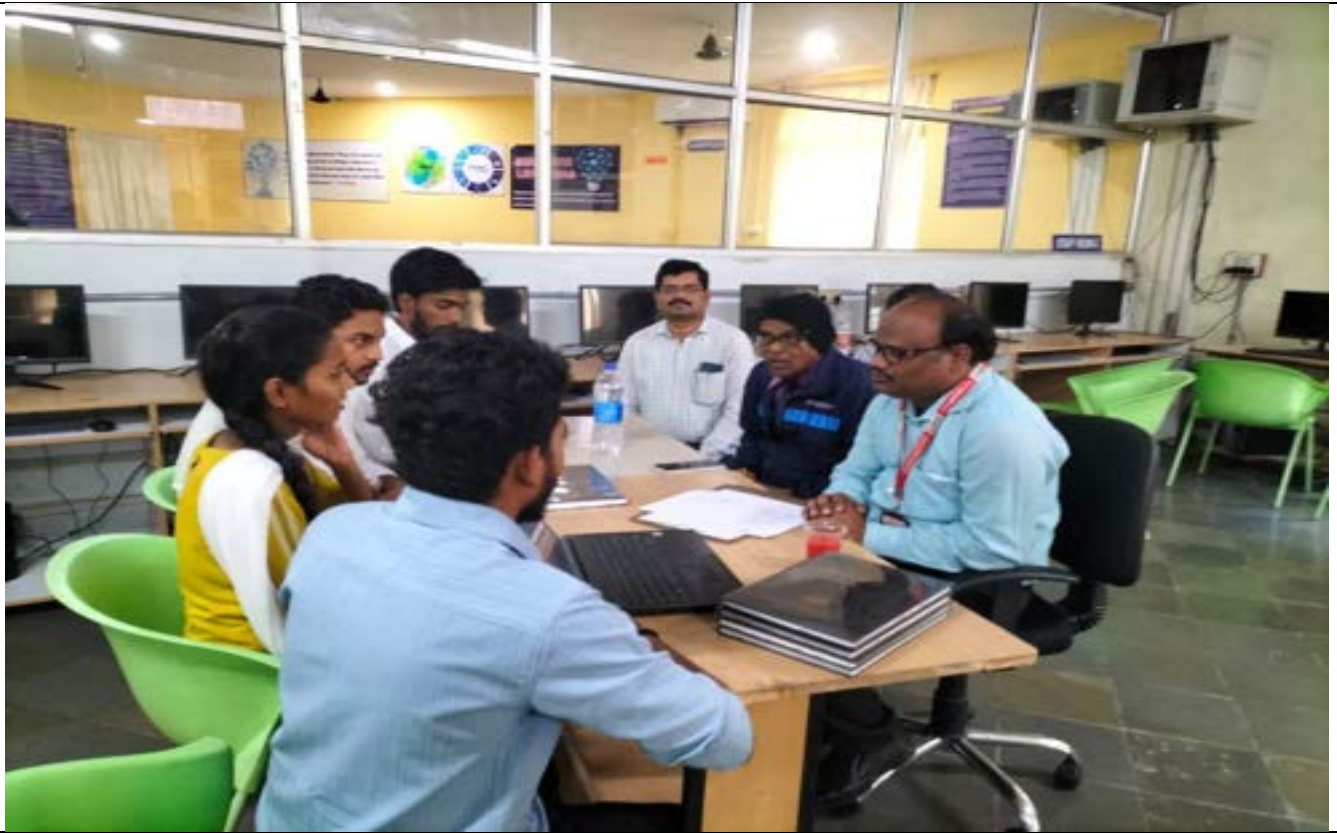
14	55	20D41A1236	MANDLAM SAIABHINAYA REDDY	Machine Learning predicting Indian GDP using Machine learning
	56	20D41A1201	ALISHETTY NITHIN	
	57	20D41A1225	KANURU RATHNA PRAKASHRAJ	
	58	20D41A1259	VUTHURI VARSHA	
15	59	20D41A1232	MACHA LOKESHWARI	Intelligent Machine learning model to predict fake job posting
	60	20D41A1249	SHESHAGONI RAJASREE	
	61	20D41A1221	KALIDINDI SAI SHASHANK VARMA	
	62	20D41A1260	GUJJA BHAVANI	

Project Review : PPT Presentation





Project : VIVA - VOCE



PPT Sample



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DEPARTMENT OF INFORMATION TECHNOLOGY

AN OBJECT ORIENTED WEB TEST MODEL FOR TESTING WEB APPLICATIONS

ABSTRACT

- In recent years, Web applications have grown rapidly and Web applications become complex, there is a growing concern about their quality and reliability. In this system, we present a methodology that uses an Object-Oriented Web Test Model (WTM) to support Web application testing.
- The test model captures both structural and behavioral test artifacts of Web applications and represents the artifacts from the object, behavior, and structure perspectives.
- Based on the test model, both structural and behavioral test cases can be derived automatically to ensure the quality of Web applications.
- Moreover, the model also can be used as a road map to identify change ripple effects and to find cost-effective testing strategies for reducing test efforts required in the regression testing.

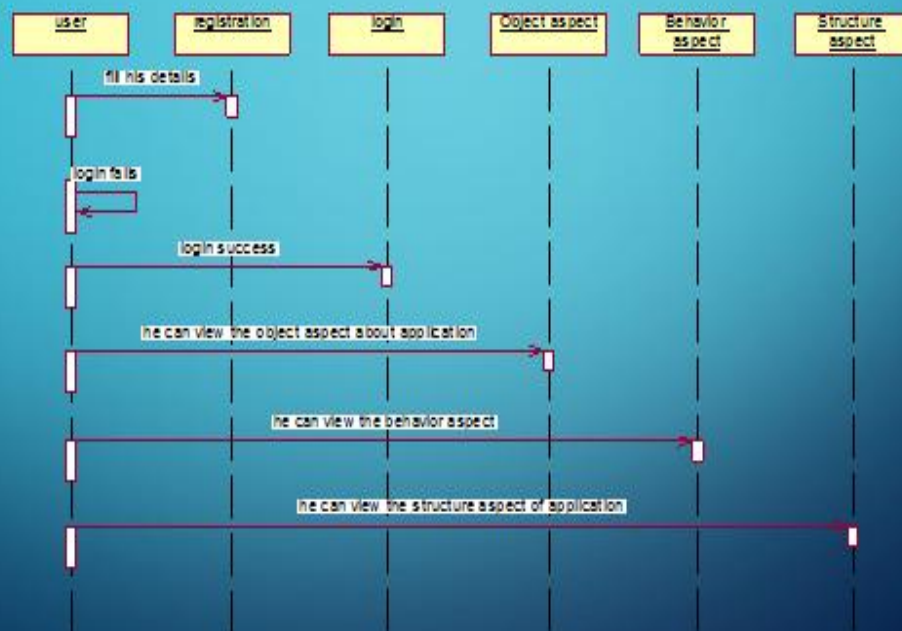
EXISTING SYSTEMS

- Testing web apps can be tricky. Existing systems follow traditional testing such as scripted testing, keyword-driven testing and playback and record testing.
- Generally, testers write scripts or record actions, but this can be messy and hard to keep up with as the web page or application changes.
- We build test instructions one by one, like saying "Click here, then type this, then wait etc. If the website changes (like moving the button!), our instructions break easily.
- It's hard to reuse instructions for different parts of the website. Due to these they often lack the structure and maintainability offered by an object-oriented approach

PROPOSED SYSTEMS

- This project proposes a new way to test web applications using object-oriented principles.
- Imagine each part of the web page (button, form, etc.) as an object with its own properties (what it looks like) and actions (what you can do with it).
- In this system, we present a methodology that uses an Object-Oriented Web test Model(WTM) to support Web application testing.
- The test model captures both structural and behavioral test artifacts of Web applications and represents the artifacts from the object, behavior, and structure perspectives.

SEQUENCE DIAGRAM :

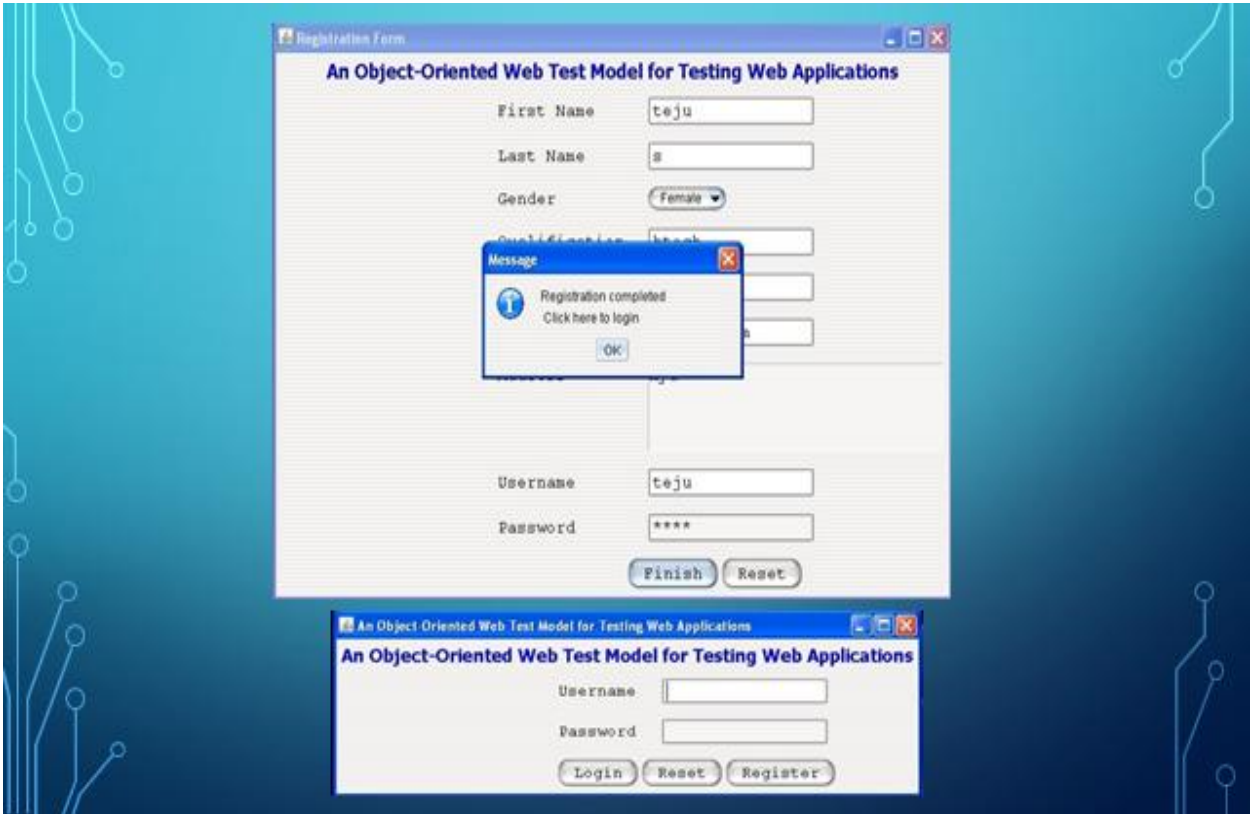
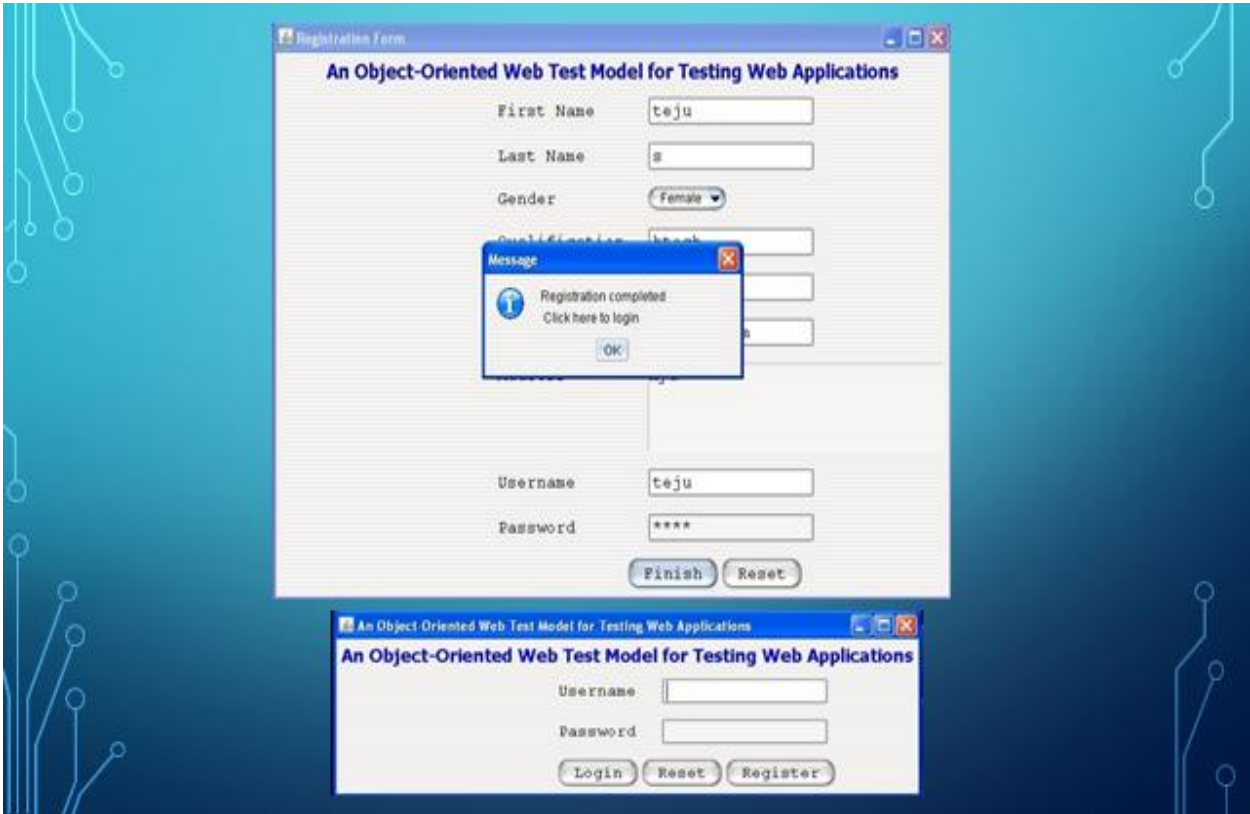


REGISTRATION PROCESS

Registration Form

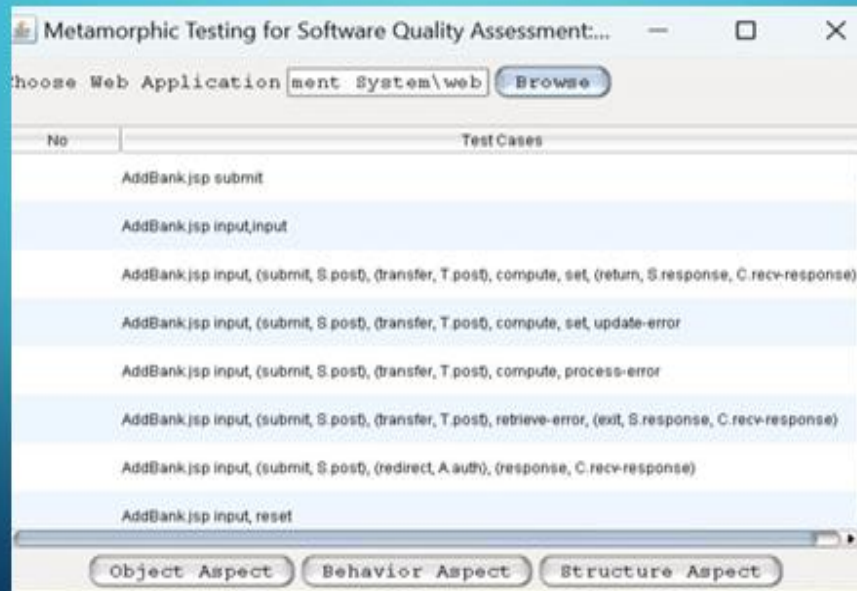
An Object-Oriented Web Test Model for Testing Web Applications

First Name	<input type="text"/>
Last Name	<input type="text"/>
Gender	<input type="text" value="Male"/>
Qualification	<input type="text"/>
Contact No	<input type="text"/>
Email id	<input type="text"/>
Address	<input type="text"/>
Username	<input type="text"/>
Password	<input type="text"/>

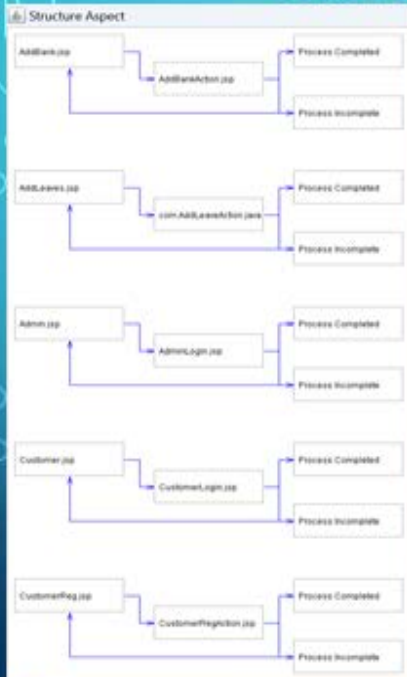


OUTPUT OF THE PROJECT

- Here we are going to get the output in three aspects



3. STRUCTURE ASPECT



APPLICATIONS

- BANKING
- LINKEDLN
- NETFLIX
- AMAZON
- WIKEPEDIA

CONCLUSION

- By this we can conclude, an Object-Oriented Web Test Model (WTM) helps make sure that websites work well and are reliable.
- This model captures different parts of the website, like how it's built and how it behaves. By doing this, it can automatically create test cases to check if the website works properly.
- It helps to figure out the best ways to test the website efficiently, which saves time and effort, especially when making changes to the site.
- So basically, it's a helpful tool for making websites which are high quality and work smoothly



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DEPARTMENT OF INFORMATION TECHNOLOGY

LABORATORY COURSES

(A.Y: 2023-24)

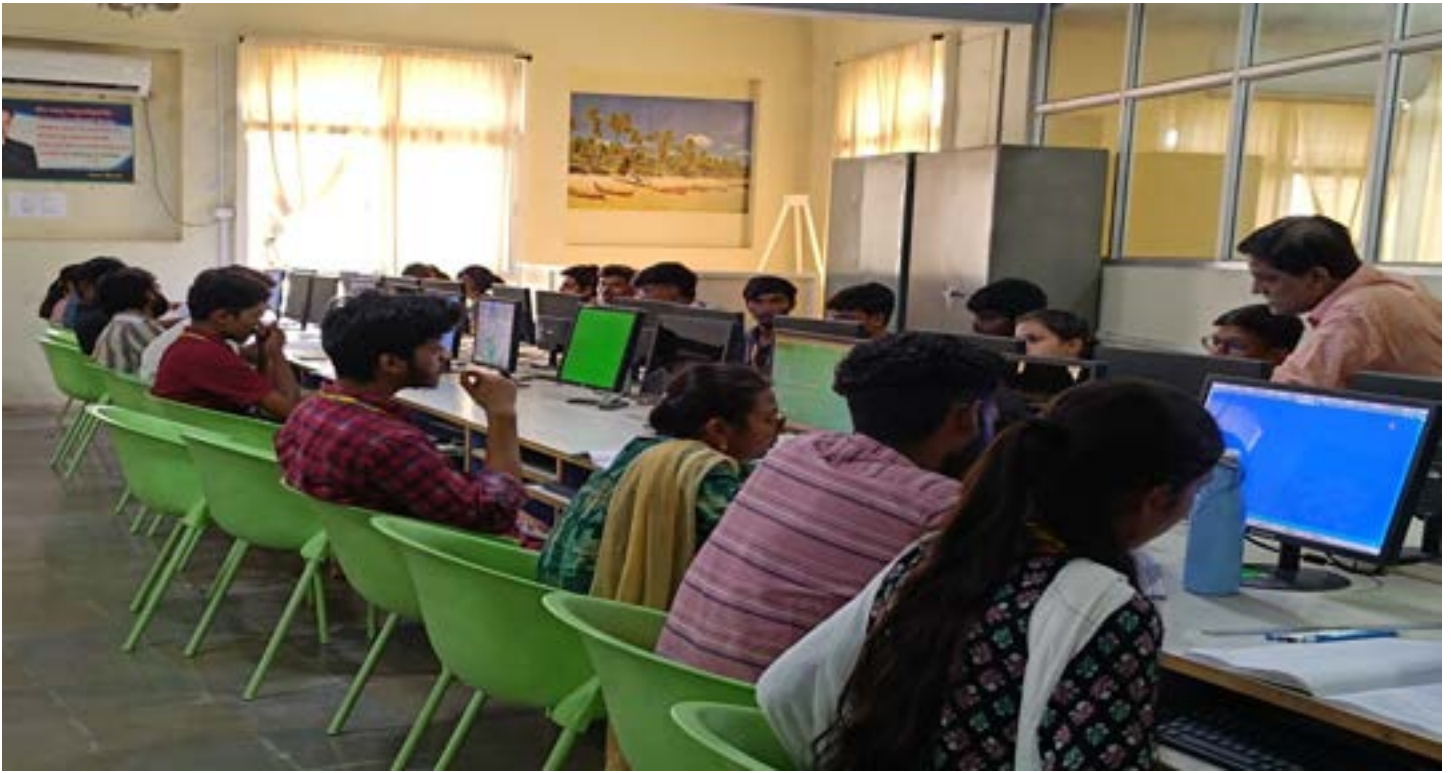
S.No.	YEAR/SEM	COURSE CODE	NAME OF THE LABORATORY
1.	II/I	R22ECE2126	Digital Electronics Lab
2.	II/I	R22CSE2126	Data Structures Lab
3.	II/I	R22CSO2128	Internet of Things Lab
4.	II/I	R22MAC2120	Gender Sensitization Lab
5.	II/I	R22CSE2129	Skill Development Course (Data Visualization – R Programming / Power BI).
6.	II/II	R22CSE2226	Operating Systems Lab
7.	II/II	R22CSE2227	Database Management Systems Lab
8.	II/II	R22CSI2228	Java Programming lab
9.	II/II	R22CSE2221	Skill Development Course (Node JS/React JS/ Django)
10.	II/II	R22INF2269	Real-Time Research Project/Societal Related Project
11.	III/I	R20CSE31L1	Software Engineering Lab
12.	III/I	R20CSE31L2	Computer Networks & Web Technologies Lab
13.	III/I	R20HAS31L1	Advanced Communication Skills Lab
14.	III/II	R20CSE32L1	Machine Learning Lab
15.	III/II	R20INF32L1	Compiler Construction Lab
16.	III/II	R20CSE32L3	Software Testing Methodologies Lab
17.	IV/I	R20INF41L1	Information Security Lab



Internet of Things Lab



Data Structures Lab



Operating Systems Lab



Java Programming lab



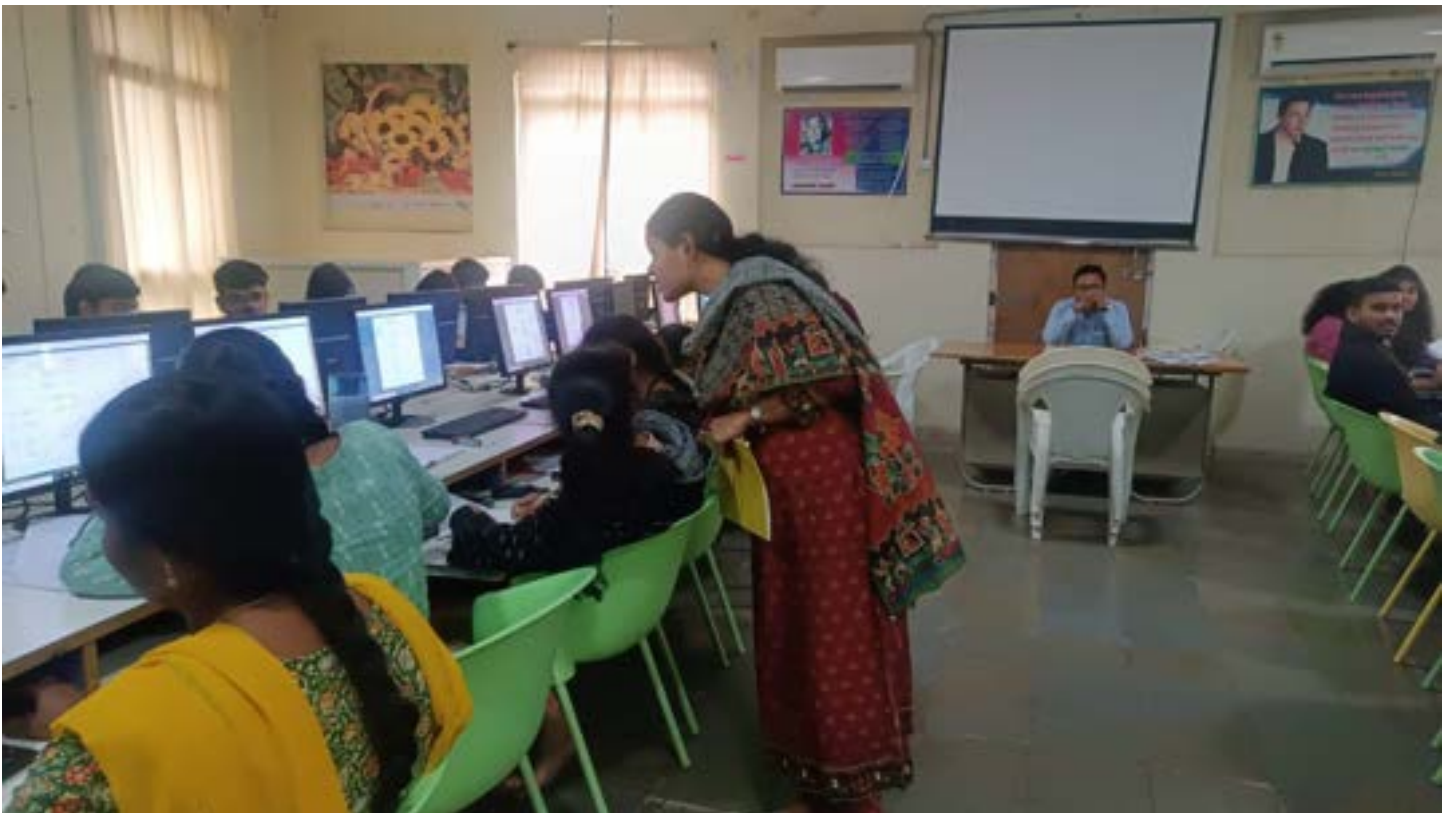
Database Management Systems Lab



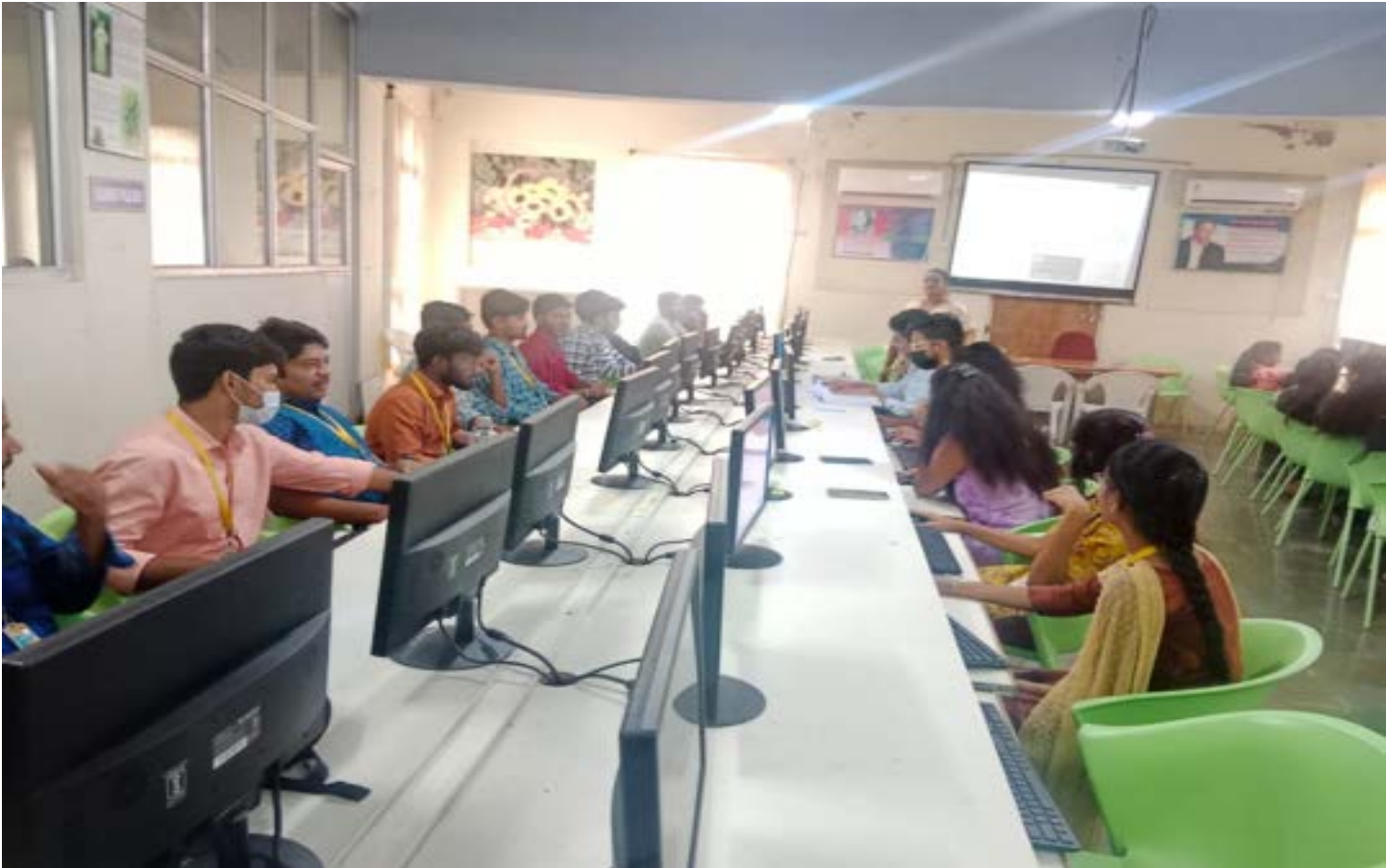
Skill Development Course



Software Engineering Lab



Software Testing Methodologies Lab



Computer Networks & Web Technologies Lab



Machine Learning Lab



Compiler Construction Lab



Information Security Lab