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	Analog Electronics	✓	✓	✓		✓
2.	II /I	Data Structures	✓	✓	✓	✓	✓
3.	II /I	Probability & Statistical Methods	✓	✓	✓		✓
4.	II /I	Computer Organization and Architecture	✓	✓	✓	✓	✓
5.	II /I	Object Oriented Programming Using C++	✓	✓	✓	✓	✓
6.	II/II	Discrete Mathematics	✓	✓	✓	✓	✓
7.	II/II	Digital Logic Design	✓	✓	✓	✓	✓
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 Behaviour	✓	✓	✓	✓	✓
28.	IV/II	Distributed Systems	✓	✓	✓	✓	✓
29.	IV/II	Information Security Fundamentals	✓	✓	✓	✓	✓

Course Name : Data Structures
Class : II B.Tech. I Sem
Teacher : Mrs. Geetha
Activity : Chart work
Title : Linked List

Course Name : Object Oriented Programming Using C++
Class : II B.Tech. I Sem
Teacher : Mrs. Varsha Reddy
Activity : Chart work
Title : Inheritance and its Types

Course Name : Operating Systems
Class : II B.Tech. II Sem
Teacher : Mr. Shakeel
Activity : Chart work
Title : OSI Layers

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

Course Name : Database Management System
Class : II B.Tech. II Sem
Teacher : Mrs. S Varsha Reddy
Activity : Chart work
Title : Database Architecture

Course Name : Java Programming
Class : II B.Tech. II Sem
Teacher : Mrs. J Sasirekha
Activity : Chart work
Title : Inheritance and its Types

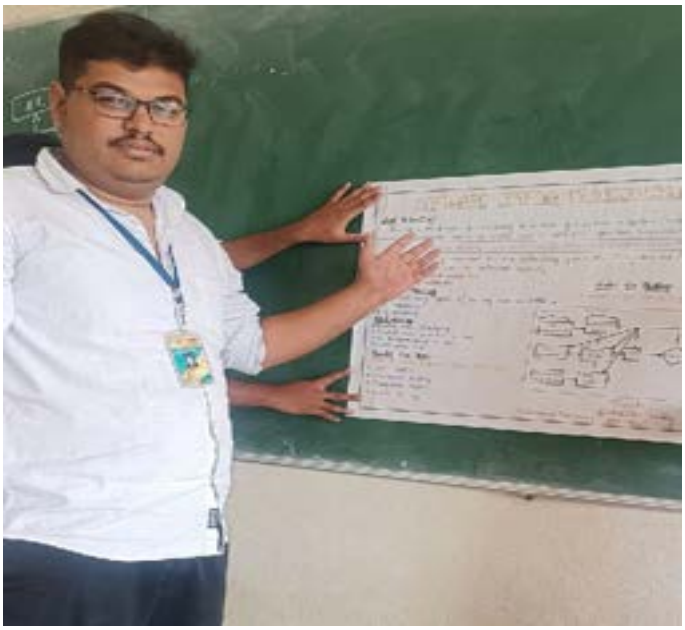
Course Name : Software Engineering
Class : III B.Tech. I Sem
Teacher : Mrs. K. Priyanka
Activity : Chart work
Title : Software Myths

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 : Machine Learning
Class : III B.Tech. I 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. J. Sushmitha
Activity : Chart work
Title : Job Sequencing Problem

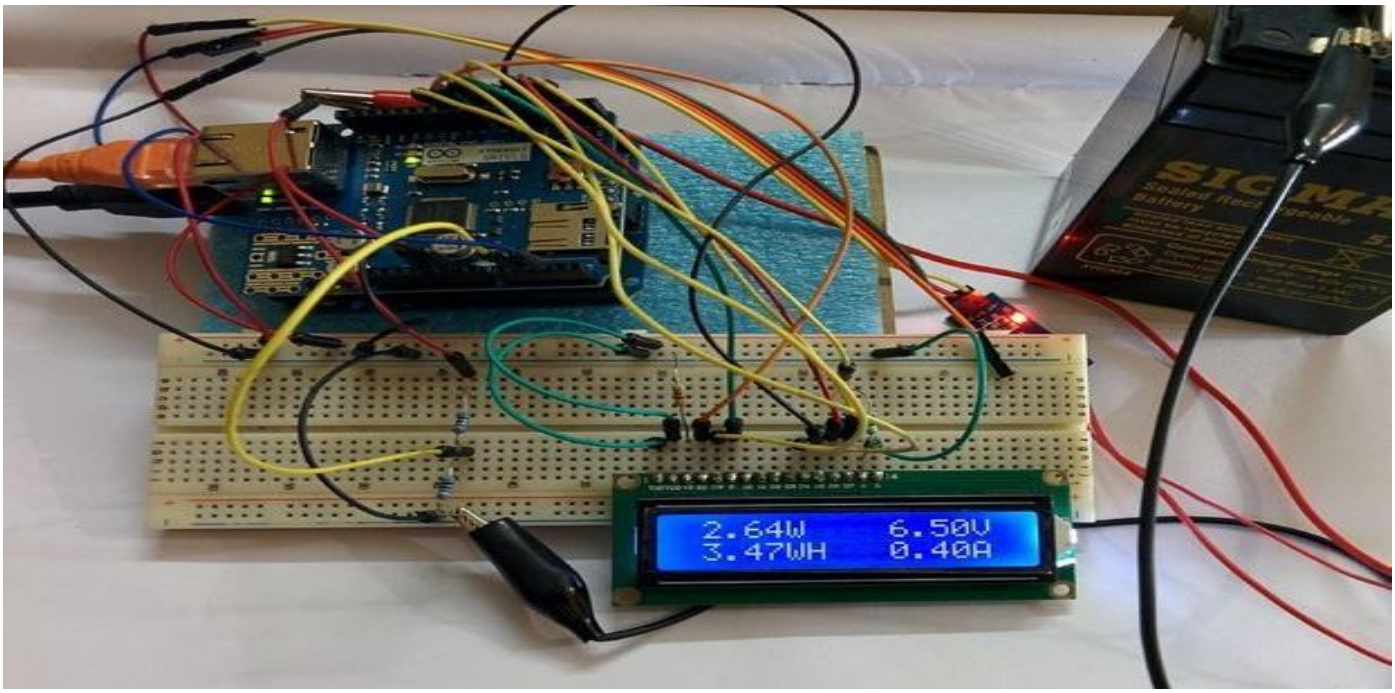
Course Name : Software Testing Methodologies
Class : III B.Tech. II Sem
Teacher : Mrs. K. Priyanka
Activity : Chart work
Title : Testing Model

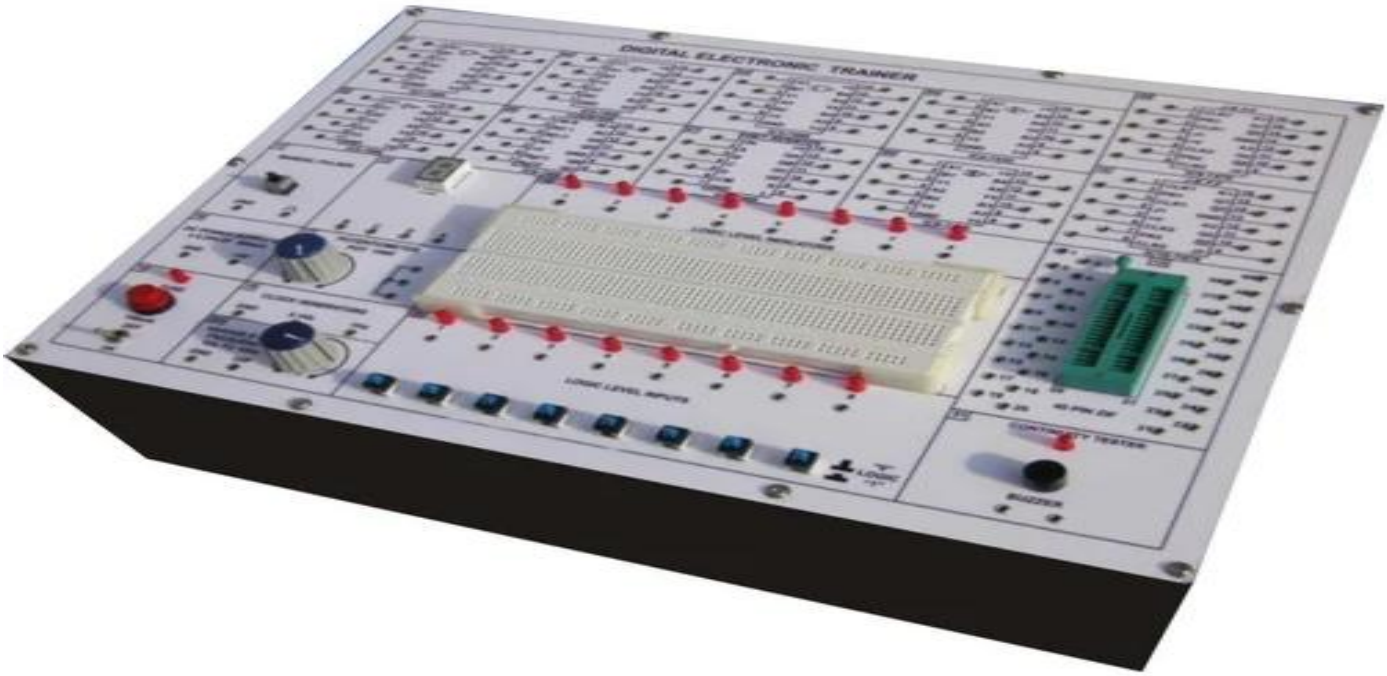


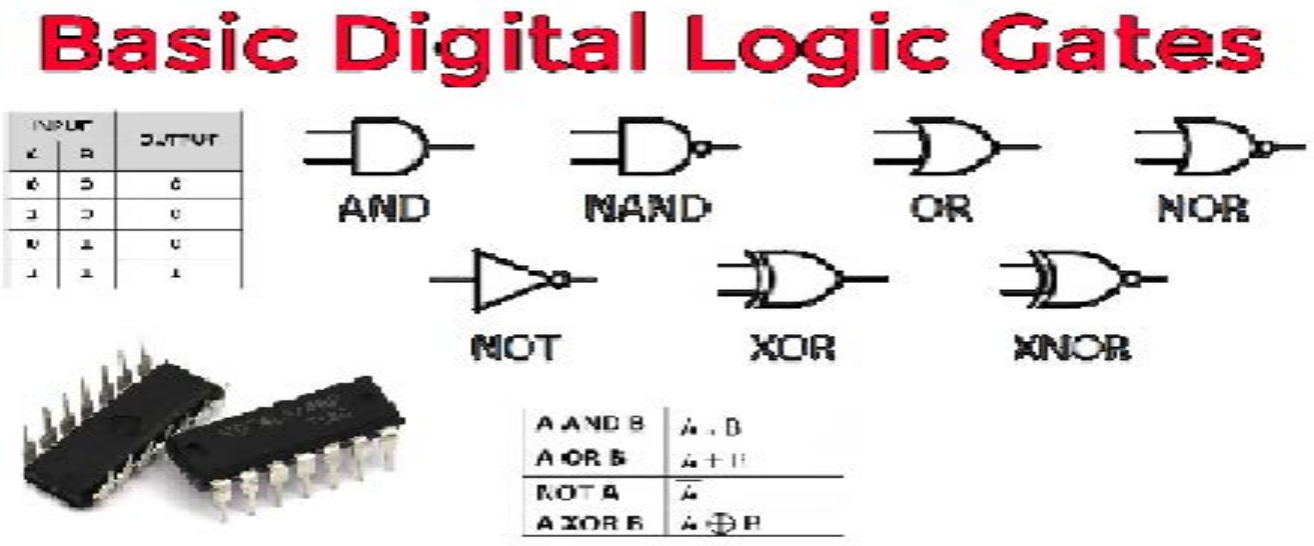
Course Name : Machine Learning
Class : III B.Tech. I Sem
Teacher : Mrs. J. Sri vidhya
Activity : Chart work
Title : Applications of ML

Course Name : Java Programming
Class : II B.Tech. II Sem
Teacher : Mrs. J Sasirekha
Activity : Poster Making
Title : Java Programming

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

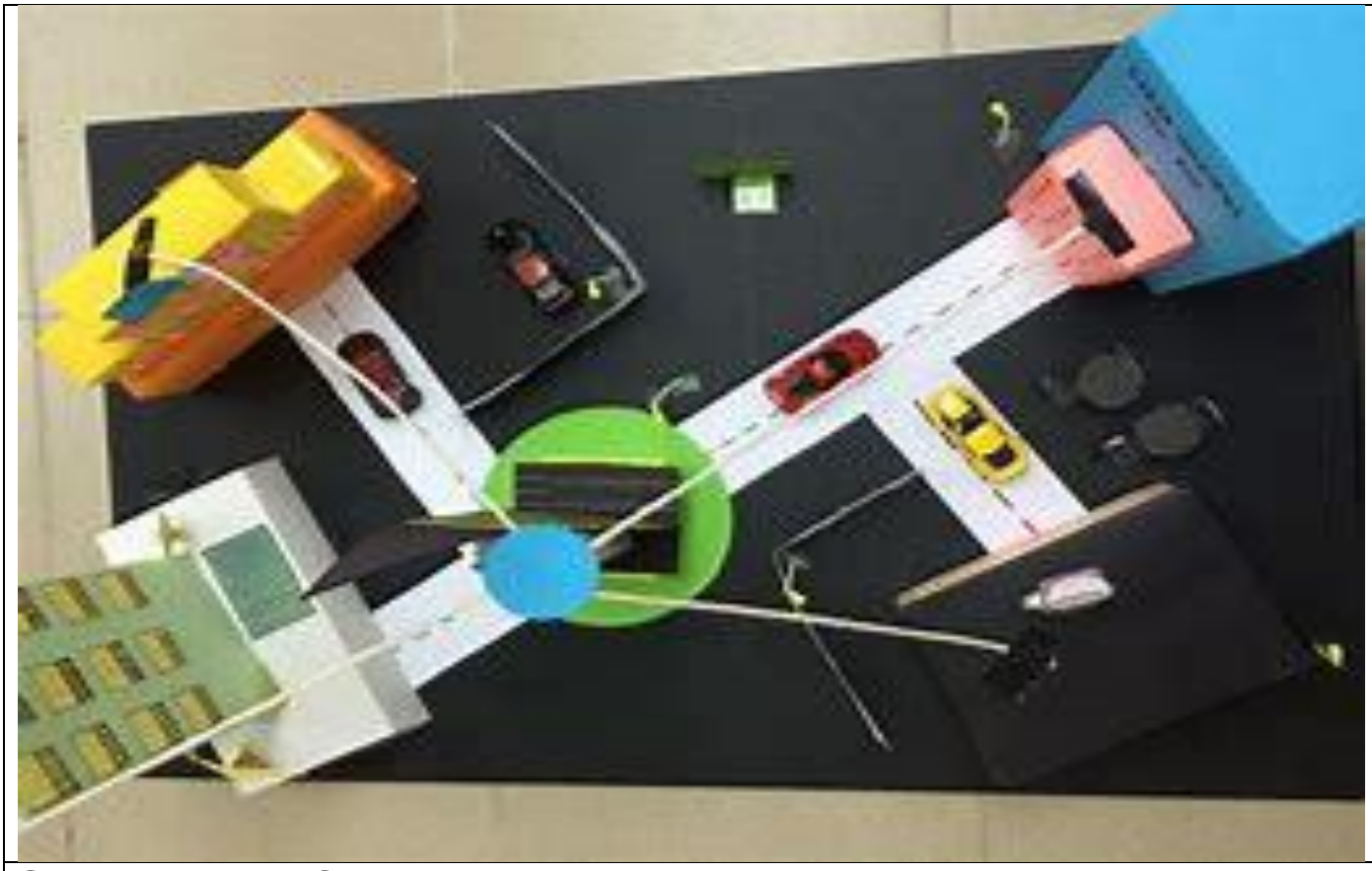






In the course, Digital Logic Design, while explaining about the basics of logic gates and its functions to the students of II Year CSE, the physical device of Logic Gates Trainer Kit was demonstrated to the students to get them a better understanding about the working of the gates and its Truth Table. 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. J Sasirekha
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 (R20CSE2202)
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=XXPBl20J22w
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=LIzTbA3cAWY
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=KvqetrhakpY
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 & Architecture
Class: II B.Tech. I Sem
Teacher: Dr. P. Epsiba
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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OPEN HOUSE EXHIBITIONS AND IDEA PRESENTATION
(A.Y: 2022-23)

S.No.	Date of the Event	Name of the Activity	No. of Students Participated
1.	27/04/2022	TECHNO IT - 2022	150
2.	14/05/2022	TECHNOTSAV - 2022	200
3.	19/11/2022	CYBER CLUB - 2022	260
4.	19/11/2022	TECHNOPHILIA – 2022	260
5.	04/05/2023	NAVA PRADYOGIKI PRADARSHANI - 2023	300

TECHNO IT - 2022

PHOTO GALLERY

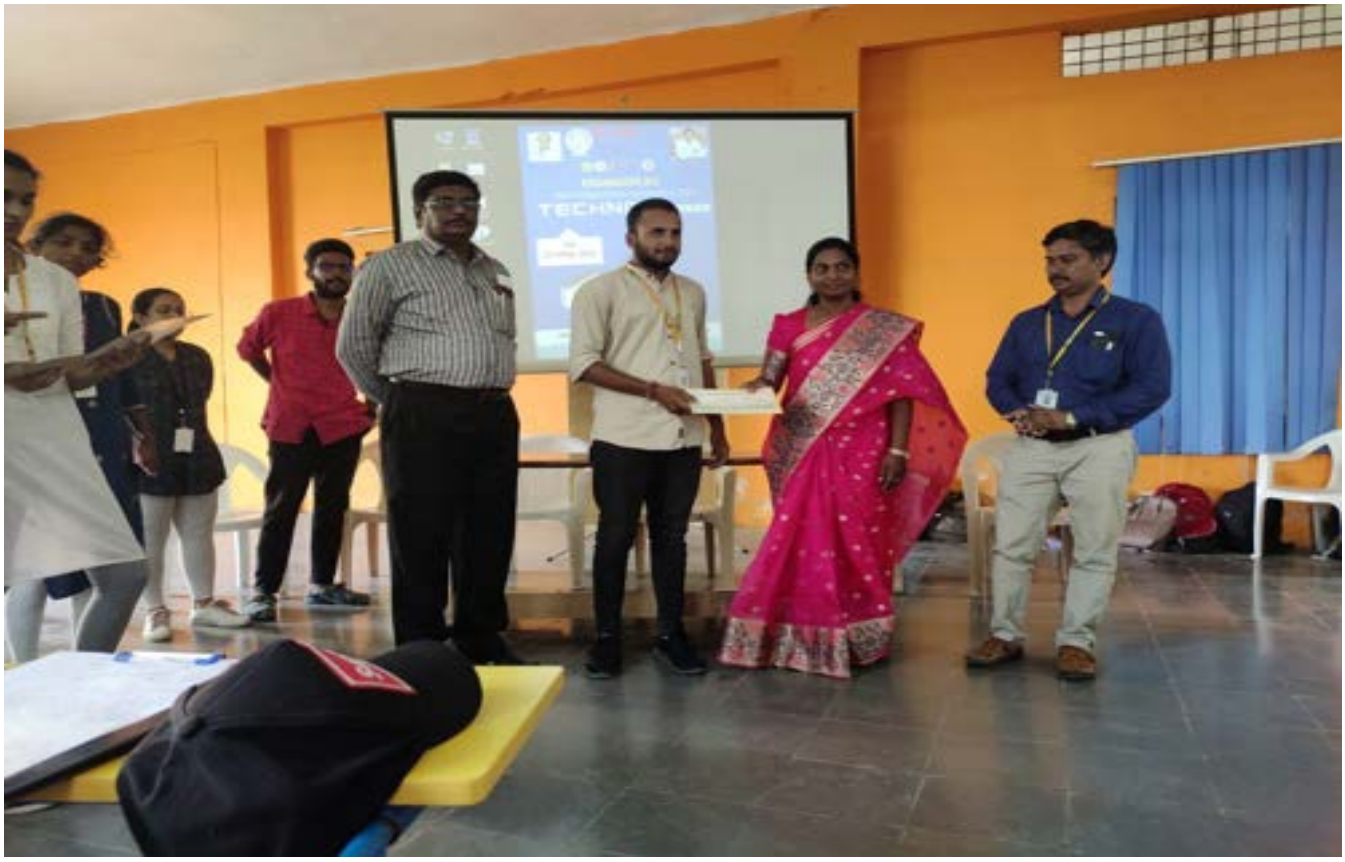
Techno IT - Inauguration

Inaugural Speech by Dr. Charan Sigh, HOD of CSE, SICET

Paper Presentation by Harsha (IV Year – IT)

Paper Presentation by Amaan (IV Year – IT)

Prize Distribution : First Prize Won by Ms. Nikitha (III Year – IT)

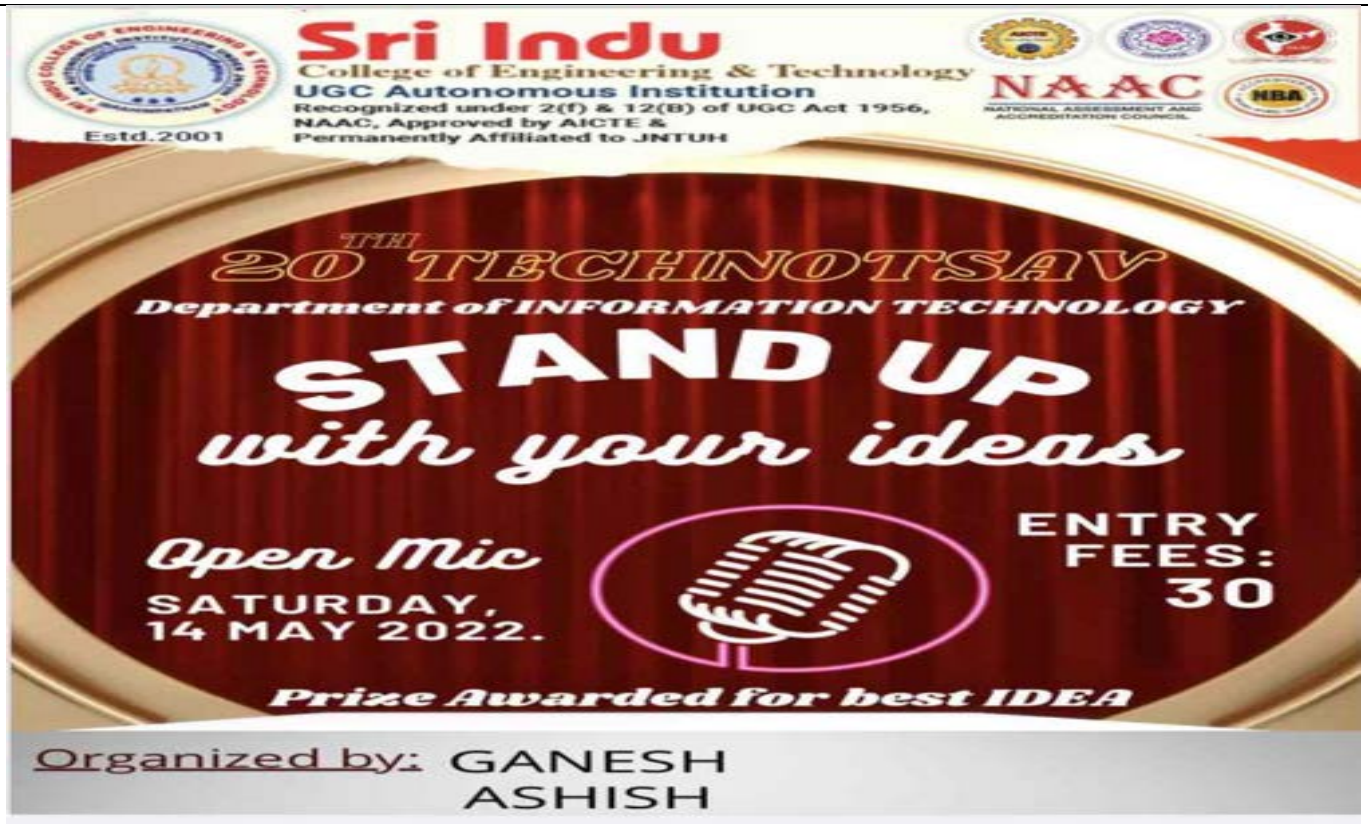


Prize Distribution : Second Prize Won by Mr. Koushik Reddy (III Year – IT)

TECHNO IT 2022 – Group Photo

TECHNOTSAV - 2022

PHOTO GALLERY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Estd.2001
NAAC
NBA
20TH TECHNOTSAV
Department of INFORMATION TECHNOLOGY
STAND UP
with your ideas
Open Mic
SATURDAY,
14 MAY 2022.
ENTRY
FEES:
30
Prize Awarded for best IDEA
Organized by: GANESH
ASHISH


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NAAC
NBA
20TH TECHNOTSAU
Department of INFORMATION TECHNOLOGY
CODE-Golf
<Entry fees:>
<50>
<Saturday>
<14 MAY 2022>
Organized by: ROHITHA
7661913840


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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
NBA
20TH TECHNOTSAV
Department of INFORMATION TECHNOLOGY
PUZZLE
ENTRY FEE
30
PRIZE : 60
Saturday,
14 may 2022
ORGANIZED BY: N. Chandana


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NAAC
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NBA
20TH TECHNOTSAV
Department of INFORMATION TECHNOLOGY
SINGLE SHOT: 100
TWO SHOT: 30
Entry fee:
30
CUP
SHOOTING
MAY 14
ORGANIZED BY: AKHIL-9014034844


TECHNOSTAV
2K22
CSIT
BLAST
THE
BALOON
ENTRY FEE
30/-
WIN CASH PRIZE....


SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
TECHNOTSAV 2022
TWISTED
PATH
VISIT US
AT ROOM
NO:303
MAIN BLOCK
find the path with a twist !!!
CRUSH!!
Twister
entry
fee
40/-
CSIT
dept
organised
by:
SHALINI
Sri Valli
NIKITHA
win exciting prizes


TECHNOSTAV 2K22
Dept of CSIT
SCARY ROOM
TREASURY HUNT
ENTRY
FEES:₹50
AND WIN
CASH
PRIZES
(₹500)
Experience the
thriller atmosphere
3rd floor
403 room


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IT
TECHNOTSAV 2K22
BALLOON PYRAMID
CONTACT NO:
8374983659
9951024186
ENTRY FEE : 30/-
WIN AND GET AMAZING REWARDS


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NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
NBA
20TH TECHNOTSAV
2022
14TH MAY
4DX
Absolute Cinema Experience
FROM DEPARTMENT OF
INFORMATION TECHNOLOGY
ROOM NO
308
ENTRY FEE
50
DO YOU HAVE ANY GUTS TO EXPERIENCE THE REALITY.....
CONTACT NO
8125751909
9346506679


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Estd.2001
NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
NBA
20TH TECHNOTSAV
Department of INFORMATION TECHNOLOGY
HOLD THE BRICK
ENTRY FEE: 30
SATURDAY, 14 MAY 2022
ORGANISED BY
1.Rayyan
2.Rahul
3.Arun
4.Mahipal

TECHNOTSAV – 2022 Group Photo

Paper Presentation by Tajudeen (II Year - IT)

Paper Presentation by Amaan (IV Year – IT)

Paper Presentation by Ms. Srivalli (III Year – CSIT)

Prize Distribution : First Prize for Paper Presentation Won by Mr. Abdul Raheem (III Year – IT)

Prize Distribution : Second Prize for Paper Presentation Won by Ms. B. Keerthana (III Year – IT)

Programe Theme : Music Concert

Live Music Concert

TECHNOPHILIA - 2022

PHOTO GALLERY

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Estd.2001

NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

NBA

Sri R. Venkat Rao
Chairman

INAUGURATION OF

CYBER CLUB

Sri R. Anup Chakravarthy
Secretary

- Technical Workshops
- Hands-on Training Sessions
- Guest lectures on Cyber Security
- Project EXPO Sessions
- Capture-the-flag Events

SICET CYBER CLUB

Convener	HOD	Faculty Coordinator	Student Coordinator	Principal
Dr. K S Sadasiva Rao (Professor & Dean- CSE & Allied Brances)	Prof. B. Surekha (HOD-IT/CSIT)	J. Srividya	T. Shree Valli K. Ratna Prakash	Dr. G Suresh

Cyber Club Inauguration

TECHNOPHILIA 2022 – Prize Distribution for Paper Presentation Winners

TECHNOPHILIA 2022 – Prize Distribution for Short Film Winners

Poster Presentation

TECHNOPHILIA 2022 – Prize Distribution for Poster Presentation Winners

TECHNOPHILIA 2022 – Prize Distribution for Para Coding Winners

TECHNOPHILIA 2022 – Primary Test for Matter Mind

TECHNOPHILIA 2022 – Primary Test for Matter Mind

TECHNOPHILIA 2022 – Prize Distribution for Matter Mind Winners

Discussion on Debate Event

TECHNOPHILIA 2022 – Prize Distribution for Debate Winners

NAVA PRADYOGIKI PRADARSHANI – 2023

PHOTO GALLERY

Project Expo – Group Photo

Project Expo : Chat Box Project done by II Year IT Students

Project Expo : Stock Market Analyzation Project done by III Year IT Students

Project Expo : Rain Water Harvesting Project done by I Year IT Students

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DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISITS
(A.Y: 2022-23)

S.No.	Date of Visit	Year/Sem	Name of the Industry Visits	No. of Students
1.	30.9.2023	III/ I	Industrial Visit to C-DAC, Hyderabad	130

- **Organizing Department :** Information Technology and Computer Science & Information Technology,
- **Name of Activity :** Industrial Visit to C-DAC, Hyderabad,
- **Date of Activity :** 30th Sept 2023,
- **No.of Participants :** 130
- **Participants from :** B.Tech (IT) - III Year & B.Tech (CSIT) - III YEAR, SICET
- **Details of Activity :** We are arranged industrial visit to C-DAC, Hyderabad. It is the premier R&D organization of the Ministry of Electronics and Information Technology for carrying out R&D in IT, Electronics and associated areas located at Plot No. 6 & 7, Hardware Park, Sy No. 1/1, Srisailam Highway Pahadi Shareef, Via, Keshavagiri Post, Hyderabad, Telangana 501510. C-DAC has today emerged as a premier R&D organization in IT&E (Information Technologies and Electronics) in the country working on strengthening national technological capabilities in the context of global developments in the field and responding to change in the market need in selected foundation areas. In that process, C-DAC represents a unique facet working in close junction with MeitY to realize nation's policy and pragmatic interventions and initiatives in Information Technology. As an institution for high-end Research and Development (R&D, the Ministry of Electronics and Information Technology, Ministry of Communications and Information Technology, Government of India and other stakeholders including funding agencies, collaborators, users and the market-place.

- **Outcome of Activity :** Students learnt about the emerging/enabling technologies and skill sets to develop and deploy IT products and solutions provided by CDAC for different sectors of the economy

- **How it Bridges gap between Industry and Academia:** Due to this visit, students learnt in C-DAC has been at the forefront of the Information Technology (IT) revolution, constantly building capacities in emerging/enabling technologies and innovating and leveraging its expertise, caliber, skill sets to develop and deploy IT products and solutions for different sectors of the economy

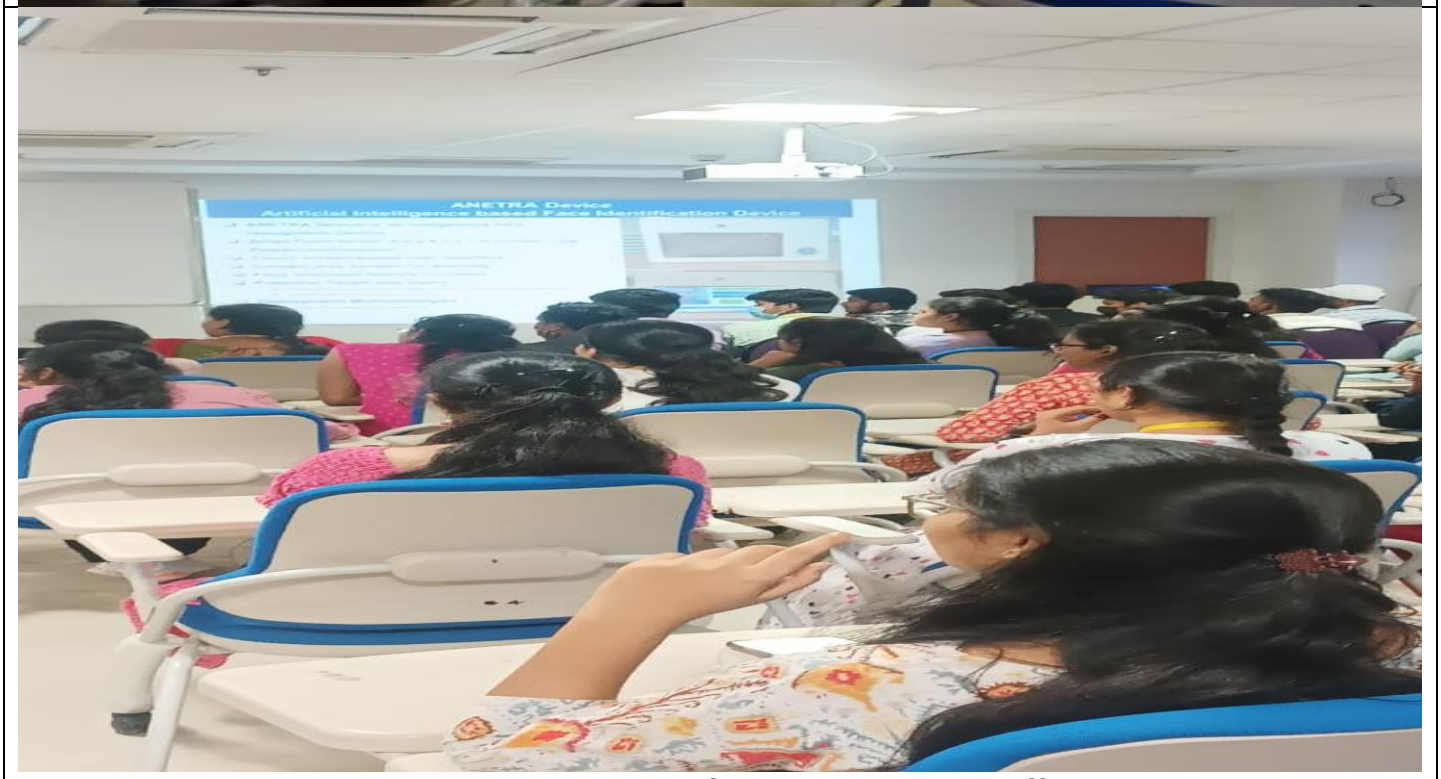
INDUSTRIAL VISITS - PHOTO GALLERY

Industrial Visit - C-DAC, Hyderabad

Demo about Cloud Computing by C-DAC Staff

Demo about Network Security by C-DAC Staff

Demo about Mobile Computing by C-DAC Staff



Demo about Internet of Things by C-DAC Staff

Demo about Mobile Configuration by C-DAC Staff

Collecting Feedback about C-DAC from Students

Quiz Conducted by C-DAC

Industrial Visit : C-DAC – Group photo

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PARTICIPATIVE LEARNING
(A.Y: 2022-23)

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 (TECHNOUTSAV,SHUB, 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	Chittimalla Praveen Kumar	Generative AI Mega Workshop
2	Chittimalla Praveen Kumar	Creating Personal Identity, Integrity, Setting Goals and Priorities
3	Chittimalla Praveen Kumar	Code Challenge
4	Chittimalla Praveen Kumar	Ethical Hacking Mega Workshop
5	Chittimalla Praveen Kumar	Build Your Own Responsive
6	Jadhav Praveen Kumar	POWERBI
7	Sarath Chandra	POWERBI
8	G Sai Lahari	POWERBI

Sample Certificates


VISSENAIRE
TNX
CERTIFICATE
OF COURSE COMPLETION
THE CERTIFICATE IS PRESENTED TO:
JADHAV MANOJ KUMAR
has successfully completed Powerbi Course with TNX.
During this course , the candidate has found to be keen and enthusiastic.
POWERBI
Academic Head
Sr. Hr. Manager


VISSENAIRE
TNX
CERTIFICATE
OF COURSE COMPLETION
THE CERTIFICATE IS PRESENTED TO:
SARATH CHANDRA
has successfully completed Powerbi Course with TNX.
During this course , the candidate has found to be keen and enthusiastic.
POWERBI
Academic Head
Sr. Hr. Manager
TNWTC22-148


VISSENAIRE
TNX
CERTIFICATE
OF COURSE COMPLETION
THE CERTIFICATE IS PRESENTED TO:
G SAI LAHARI
has successfully completed Powerbi Course with TNX.
During this course , the candidate has found to be keen and enthusiastic.
POWERBI
Academic Head
Sr. Hr. Manager
TNWTC22-148


VISSENAIRE
TNX
CERTIFICATE
OF COURSE COMPLETION
THE CERTIFICATE IS PRESENTED TO:
PALA RIDHITHA
has successfully completed Powerbi Course with TNX.
During this course , the candidate has found to be keen and enthusiastic.
POWERBI
Academic Head
Sr. Hr. Manager
TNWTC22-148

2. VALUE ADDED COURSES

Name of the student	Course Name	Course Duration	Place of Course
E. VISHNU VARDHAN REDDY	Data Structures In Java	4 Months	Online
E. VISHNU VARDHAN REDDY	Introduction to Java	2 Months	Online
C. AKSHAYA	Programming Foundation with Javascript, HTML & CSS	2 Months	Online
C. AKSHAYA	Positive Psychology	2 Months	Online


CODING NINJAS
Top Performer
Certificate Of Excellence
is awarded to
EPPA VISHNU VARDHAN REDDY
for successfully completing the course
Introduction to JAVA
conducted from July 2022 to August 2022
Ankush Singla
Mentor / Instructor
CODING NINJAS
NEW DELHI
Manisha Khattar
Mentor / Instructor


THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL
COURSE CERTIFICATE
Jun 30, 2021
chidurala Akshaya
has successfully completed
Positive Psychology
an online non-credit course authorized by The University of North Carolina at Chapel Hill and offered through Coursera
EDUCATION FOR EVERYONE
coursera
COURSE CERTIFICATE
Barbara L. Fredrickson, Ph.D.
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Verify at coursera.org/verify/SSSFMJ6MKL8E
Coursera has confirmed the identity of this individual and their participation in the course.

3. Swayam / Nptel Courses

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

STUDENTS – Received MOOCs, NPTEL/SWAYAM Certificates

ACADEMIC YEAR 2022-23

Enrollments & Certificates

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SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY

STUDENTS – Received MOOCs,

NPTEL/SWAYAM Certificates ACADEMIC YEAR 2022-23

Enrollments & Certificates

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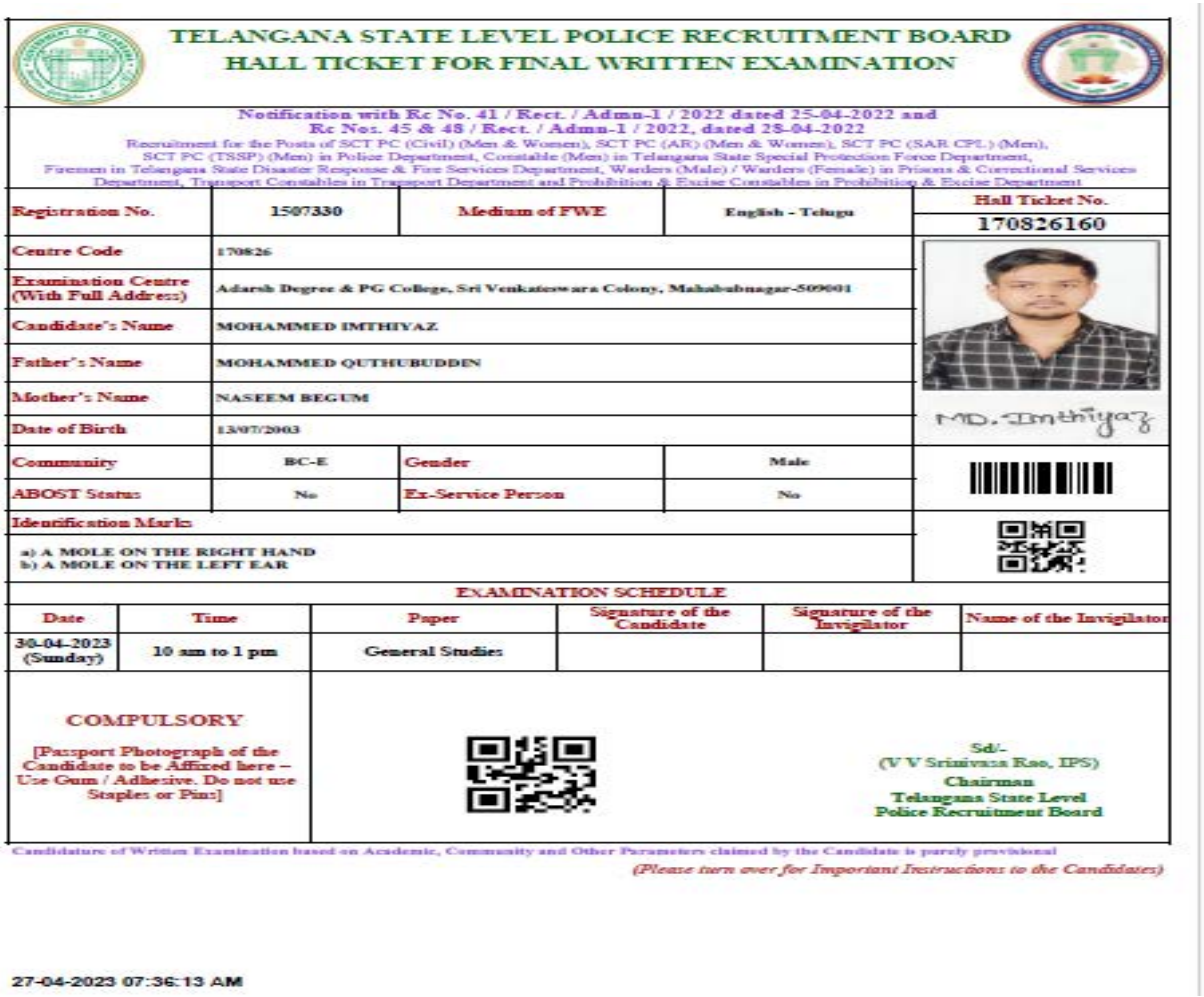
3	G. Sai Lahari	Telangana State Level Police Requirement Board Exam

Competitive Examinations – Hall Ticket Sample



TELANGANA STATE LEVEL POLICE RECRUITMENT BOARD
HALL TICKET FOR FINAL WRITTEN EXAMINATION

Notification with Rc No. 41 / Rect. / Admn-1 / 2022 dated 25-04-2022 and
Rc Nos. 45 & 48 / Rect. / Admn-1 / 2022, dated 28-04-2022
Recruitment for the Posts of SCT PC (Civil) (Men & Women), SCT PC (AR) (Men & Women), SCT PC (SAR CPL) (Men), SCT PC (TSSP) (Men) in Police Department, Constable (Men) in Telangana State Special Protection Force Department, Firemen in Telangana State Disaster Response & Fire Services Department, Warders (Male) / Warders (Female) in Prisons & Correctional Services Department, Transport Constables in Transport Department and Prohibition & Excise Constables in Prohibition & Excise Department

Registration No.	1507330	Medium of FWE	English - Telugu	Hall Ticket No. 170826160
Centre Code	170826			
Examination Centre (With Full Address)	Adarsh Degree & PG College, Sri Venkateswara Colony, Mahabubnagar-509001			
Candidate's Name	MOHAMMED IMTHIYAZ			
Father's Name	MOHAMMED QUTHUBUDDIN			
Mother's Name	NASEEM BEGUM			
Date of Birth	13/07/2003			
Community	BC-E	Gender	Male	
ABOST Status	No	Ex-Service Person	No	
Identification Marks	a) A MOLE ON THE RIGHT HAND b) A MOLE ON THE LEFT EAR			

EXAMINATION SCHEDULE

Date	Time	Paper	Signature of the Candidate	Signature of the Invigilator	Name of the Invigilator
30-04-2023 (Sunday)	10 am to 1 pm	General Studies			

COMPULSORY

[Passport Photograph of the Candidate to be Affixed here – Use Gum / Adhesive. Do not use Staples or Pins]

Sd/-
(V V Srinivasa Rao, IPS)
Chairman
Telangana State Level
Police Recruitment Board

Candidature of Written Examination based on Academic, Community and Other Parameters claimed by the Candidate is purely provisional

(Please turn over for Important Instructions to the Candidates)

27-04-2023 07:36:13 AM

TELANGANA STATE LEVEL POLICE RECRUITMENT BOARD
ONLINE APPLICATION FORM - 2022

Single Application for the Post(s) of Name of the Post	Registration Number
SCT PC Civil and / or Equivalent	71304813
SCT PC IT&CO / SCT PC Mechanic	51304813

Basic Details

Aadhaar Number	241932327229
Medium of Written Examination (Except Technical Papers which will be in English only)	English
Candidate Surname	MOHAMMED
Name of the Candidate (as per SSC or Equivalent Certificate)	MOHAMMED ABDUL MANNAN
Father's Name	MAQBOOL PASHA
Mother's Name	NAZIMUNNISA
Gender	Male
Date of Birth (as per SSC or Equivalent Certificate)	01/11/2003
Age as on 01-07-2022	18 years 8 months 0 days
SSC Roll No	1923110272
Identification Mark 1	A MOLE ON RIGHT HAND INDEX FINGER
Identification Mark 2	A MOLE ON LEFT CHEEK
Nearest CP / SP Office	CP Rachakonda
Community / Caste	BC-E

Do you belong to section of Creamy Layer or Non Creamy Layer?	Non Creamy Layer
Examination Centre for SCT PC level PWT where attended	CHAITANYA JUNIOR COLLEGE,RALLAGUDA RD, NEAR BUS STAND, R B NAGAR, SHAMSHABAD, HYDERABAD-501218
District Preference for attending Physical Tests / Final Written Examination (for Technical Papers, Candidates will be allotted any Test Centre in / around Hyderabad City)	Rangareddy
Local Candidate of Telangana State (as per Presidential Order-2018)	Yes
Are you working now in any of the Post(s) notified in the present Notification(s)	No
Do you claim reservation as Meritorious Sports Person?	**No**
Are you an Employee of Telangana State Government ?	**No**
Have you worked as an Instructor in NCC?	**No**
Are you a Retrenched Temporary Employee in the State Census Department during 1991?	**No**
Do you claim Age Relaxation / Reservation under Ex-Servicemen Category? (For Army / Navy / Air Force / Territorial Army Personnel)	**No**

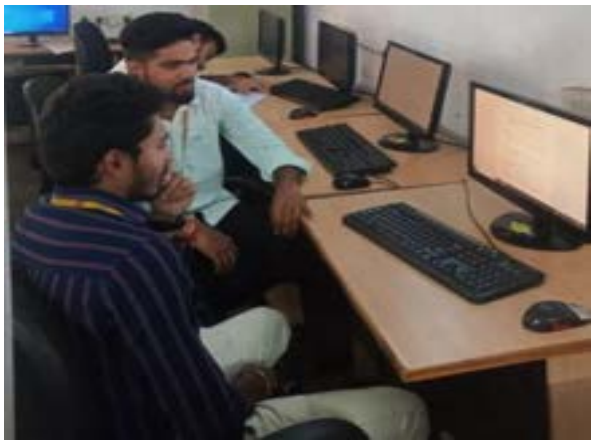
Report generated on : 11/4/2022 6:45:17 PM

5. Team Work in Laboratory Sessions

S.No	Year/Sem	Date	Name of the Lab	Content Beyond the Syllabus	No of Participants
1.	II/I	14.10.2022	Analog Electronics lab	Transistor Constructions	67
2.	II/I	11.11.2022	Data Structures Lab	Merge Sort	60
3.	II/I	18.11.2022	C++ Programming Lab	Matrix Multiplication	68
4.	II/II	20.03.2023	Operating Systems Lab	Process Synchronization	65
5.	II/II	10.04.2023	Database Management Systems Lab	Payroll System	61
6.	II/II	19.06.2023	Java Programming lab	Database Connection	68
7.	III/I	08.12.2023	Software Engineering Lab	Deployment Diagram	67
8.	III/I	06.01.2023	Computer Networks & Web Technologies Lab	Register Form using Controls	61
9.	III/II	26.04.2023	Machine Learning Lab	Bayes Theorem	58

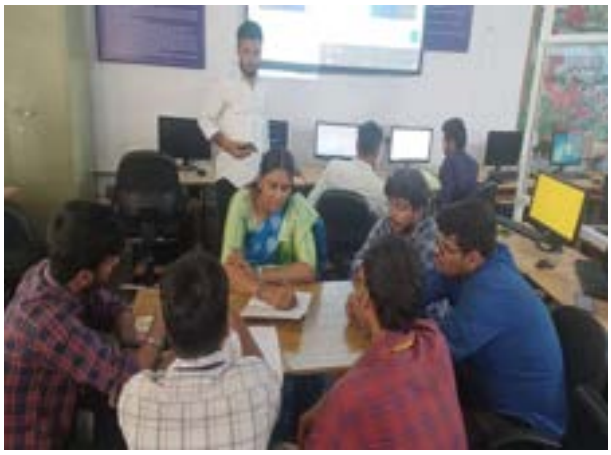
Topic name: Agile Model
Year: III year I semester

Topic name: Artificial Neural Network
Year: III year I semester



Topic name: Benefits of Deep Learning
Year: III year II semester

Group Writing Assignments



Group Writing Assignments

Group Writing Assignments

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

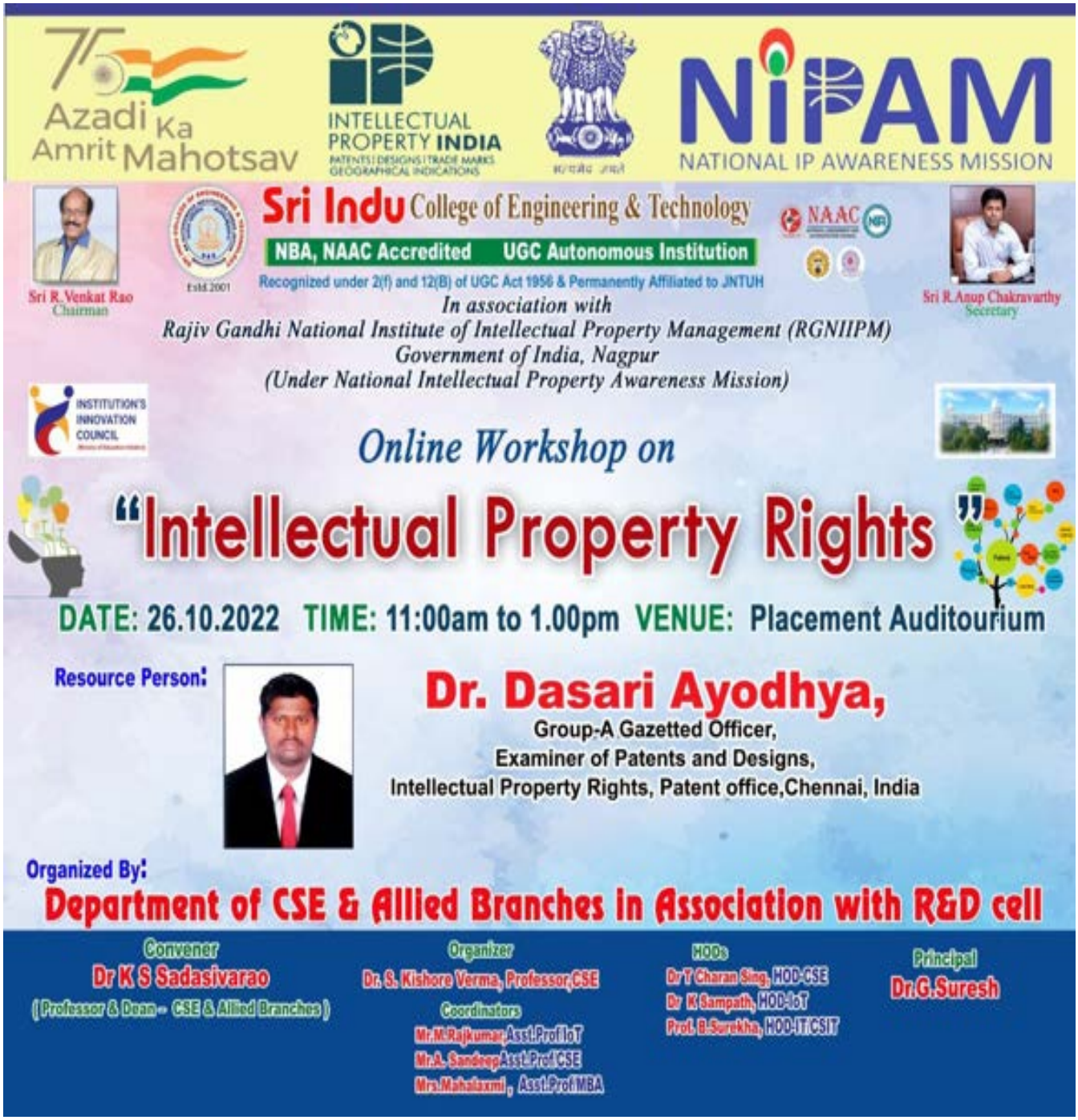
S.No.	Date of the Event	Name of the Professional Societies	Name of the Activity	No. of Students Participated
10.	22nd & 23rd June 2023	CSI	Workshop on "Python Programming with Realtime Applications"	438
11.	26.10.22	NIPAM	Intellectual Property Rights	160

Python Programming – Workshop

Python Programming – Workshop : Guest Lecture

Sample Certificates

INTELLECTUAL PROPERTY RIGHTS



- **Organizing Department** : Department of CSE and Allied Branches in Association with R&D Cell

- **Name of Activity :** Intellectual Property Rights

- **Date of Activity :** 26.10.2022

- **No. of Participants** : 250

- **Participants From :** Sri Indu College of Engineering & Technology

- **Resource Person :** Dr. Dasari Ayodhya

- **Details of Activity** : Dr. Dasari Ayodhya delivered a lecture on Patents, Moral Rights & Trademarks in Intellectual Property Rights.

- **Outcome of Activity :** Students got awareness on Patents, Moral Rights & Trademarks in Intellectual Property Rights.

- **Photos:**

Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE

This is to certify that, MR JADHAV MANOJKUMAR of SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY has successfully participated in IP Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

on December 30,2021

Organized by
Intellectual Property Office, India

Date:January 05,2022

CGPDTM

Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE

This is to certify that, MS. J SASIREKHA , FACULTY of SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY has successfully participated in IP Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

on October 26,2022

Organized by
Intellectual Property Office, India

Date:November 01,2022

(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS

7. Participations In Events
(TECHNOTSAV , SHUB, HACKTHON)

TECHNOTSAV – 23

S.NO	NAME OF EVENT	STUDENT CO-RDINATORS	FACULTY CO-ORDINATOR	NO OF PARTICIPANTS
1	PAPER PRESENTATION	NIVEDITHA	J.SASIREKHA	320
2	INDHANAM	KEERTHANA, MOUNUSHA	J.SRIVIDYA 9440128380	
3	MULTI GAMES	VARSHA, KESHAVA	J.SUSHMITHA 9030812020	
4	LAZER MAZE	RAJU	K.PRIYANKA 8520841560	
5	MUSIC CONCERT	TRIPURA,INDUNAVITHA	SHEK SHAKEEL, KRANTHI KUMAR	
6	HAND STIFFNESS	ATIF ASLAM	K.PRIYANKA 8520841560	
7	DESIGN A WEBSITE	HARSHA	Y.HARATHI 8309974424	

Sri Indu
College of Engineering & Technology

TECHNOTSAV- 2023

DEPARTMENT OF
INFORMATION TECHNOLOGY
COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

TECHNICAL EVENTS

- MIRROR TYPING
- DEBUG
- DESIGN A WEBSITE

NON-TECHNICAL EVENTS

- INDHANAM
- TABOO
- LAZER MAZE AND MANY MORE....

HOD: B.SUREKHA DEAN: Dr K.S.SADASIVA RAO PRINCIPAL: DR.G.SURESH

HACKTHON

S. NO	NAME	TITLE
1	GANGIDI AKSHITHA REDDY	5 Days Workshop & 24 Hours Hackathon
2	KARNE RAJU	
3	THODIMA PREETHI	
4	RAHUL RAMAVATH	
5	JADALA MAMATHA	
6	LOKESHWARI	
7	KEERTHANA	
8	KADAR HARIKA	
9	B.KAVYA	
10	MALGIREDDY NIKHITHA	
11	MANASA TOORPU	
12	MAHAMMAD SHAHBAZ	

Hari Prasad (Batch) from III – IT Won Cash Prize

Hackathon – Practical Session

Sample Certificates


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
THODIMA PREETHI, 20D41A1251
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
Rahul Ramavath, 20D41A1245
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
Jadala Mamatha,
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
Lokeshwari, 20D41A1232
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
Keerthana, 20D41A1206
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
Kadar Harika, 20D41A1219
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
B.Kavya, 20D41A1205
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
MALGIREDDY NIKHITHA, 20D41A1235
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
MANASA TOORPU, 20D41A1252
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd


Sri Indu
BRAIN O VISION
CERTIFICATE of PARTICIPATION
PROUDLY PRESENTED TO
Mohammad shahbaz, 20D41A1238
For active participation in
5 Day WORKSHOP & 24 Hour HACKATHON
on AI - ML and DATA SCIENCE
Conducted from 15-09-2023 to 24-09-2023
Sri Indu College of Engineering & Technology
in collaboration with
Brainovision Solutions India Pvt.Ltd

8. INTERNSHIP

Participants List

S.NO	NAME OF THE STUDENT	COURSE NAME	COURSE DURATION	PLACE OF COURSE
1	ALISHETTY NITHIN	Python Full Stack	December 2022-May 2023	NSDC
2	ALUGUBELLI KESHAVA REDDY	Python Full Stack	December 2022-May 2023	NSDC
3	ALUGUVELLI CHANDANA	Python Full Stack	December 2022-May 2023	NSDC
4	ATIF ABDUL RAHEEM	Python Full Stack	December 2022-May 2023	NSDC
5	BALDURI KAVYA	Python Full Stack	December 2022-May 2023	NSDC
6	BALNE KEERTHANA	Python Full Stack	December 2022-May 2023	NSDC
7	BILLAKANTI NIHARIKA	Python Full Stack	December 2022-May 2023	NSDC
8	BONTHA VIVEK REDDY	Python Full Stack	December 2022-May 2023	NSDC
9	CHANDA VINAY KUMAR REDDY	Python Full Stack	December 2022-May 2023	NSDC
10	CHITTIMALLA PRAVEEN	Python Full Stack	December 2022-May 2023	NSDC
11	DOPPALAPUDI CHARAN HARSHA	Python Full Stack	December 2022-May 2023	NSDC
12	DURGAM ROHAN YADAV	Python Full Stack	December 2022-May 2023	NSDC
13	EMMIDI KEERTHI	Python Full Stack	December 2022-May 2023	NSDC
14	GANGAVATH SRINIVAS	Python Full Stack	December 2022-May 2023	NSDC
15	GANGIDI AKSHITHA REDDY	Python Full Stack	December 2022-May 2023	NSDC
16	INTI BHAVANA	Python Full Stack	December 2022-May 2023	NSDC
17	JADALA MAMATHA	Python Full Stack	December 2022-May 2023	NSDC
18	JETTY KUSHAL KUMAR	Python Full Stack	December 2022-May 2023	NSDC
19	KADAR HARIKA	Python Full Stack	December 2022-May 2023	NSDC
20	KALAKONDA SRIKANTH	Python Full Stack	December 2022-May 2023	NSDC

21	KALIDINDI SAI SHASHANK VARMA	Python Full Stack	December 2022-May 2023	NSDC
22	KALLEM RUCHI REDDY	Python Full Stack	December 2022-May 2023	NSDC
23	KAMBHAMPATI SHILPA	Python Full Stack	December 2022-May 2023	NSDC
24	KANDULA VAMSHI	Python Full Stack	December 2022-May 2023	NSDC
25	KANURU RATHNAPRAKASHRAJ	Python Full Stack	December 2022-May 2023	NSDC
26	KARNE RAJU	Python Full Stack	December 2022-May 2023	NSDC
27	KUKKAMUDI VINAY	Python Full Stack	December 2022-May 2023	NSDC
28	KUNAPULI VENKATA SAI ADITYA	Python Full Stack	December 2022-May 2023	NSDC
29	KUNCHAM YADAGIRI	Python Full Stack	December 2022-May 2023	NSDC
30	LAKKAKULA SIRI HASINI	Python Full Stack	December 2022-May 2023	NSDC
31	MACHA LOKESHWARI	Python Full Stack	December 2022-May 2023	NSDC
32	MALGIREDDY NIKHITHA	Python Full Stack	December 2022-May 2023	NSDC
33	MAMIDI SHIVA KUMAR	Python Full Stack	December 2022-May 2023	NSDC
34	MANDA SANDEEP KUMAR	Python Full Stack	December 2022-May 2023	NSDC
35	MANDLAM SAIABHINAYA REDDY	Python Full Stack	December 2022-May 2023	NSDC
36	MARIYADA RAMA KRISHNA REDDY	Python Full Stack	December 2022-May 2023	NSDC
37	MOHAMMAD SHAHBAZ	Python Full Stack	December 2022-May 2023	NSDC
38	NARAPOLU NAGESH	Python Full Stack	December 2022-May 2023	NSDC
39	NAREDDY VARUN REDDY	Python Full Stack	December 2022-May 2023	NSDC
40	NIMMALA VAMSHI RAM	Python Full Stack	December 2022-May 2023	NSDC
41	POOSA ARJUN	Python Full Stack	December 2022-May 2023	NSDC
42	RACHHA ABHINAYA SRI	Python Full Stack	December 2022-May 2023	NSDC
43	RAMAVATH RAHUL	Python Full Stack	December 2022-May 2023	NSDC

44	**REGALLA KAUSHIK REDDY**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
45	**SAMA HARSHITHA**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
46	**SATHURU MOUNUSHA**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
47	**SHESHAGONI RAJASREE**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
48	**SRIPATHI MOUNIKA**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
49	**THODIMA PREETHI**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
50	**TOORPU MANASA**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
51	**VAJRAPU UTHAM**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
52	**VALEMONI VINOD KUMAR**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
53	**VANGALA ESHWAR REDDY**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
54	**VATTIKOTI AKHIL**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
55	**VENEPALLY THAPASWI**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
56	**VOGGU AKHIL**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
57	**VUTHURI VARSHA**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
58	**GUJJA BHAVANI**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
59	**GADDAM MAHIPAL REDDY**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
60	**JARAPLA ARUN**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
61	**KAMPETI SHIVA SAI**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**
62	**MOHAMMAD OSAMA RAYYAN**	**Python Full Stack**	**December 2022-May 2023**	**NSDC**

Sample Certificates

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 Accredited, Approved by AICTE and Permanently affiliated to JNTUH
Sheriguda (V), Ibrahimpatnam, R.R.Dist, Hyderabad - 501 510

D4

BR-22

DEPARTMENT OF INFORMATION AND TECHNOLOGY

Objective Type Questions In Higher Level Of Thinking
(A.Y: 2022-23)

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	Analog Electronics	✓	✓	✓	✓
2.	II /I	Data Structures	✓	✓	✓	✓
3.	II /I	Probability & Statistical Methods	✓	✓	✓	✓
4.	II /I	Computer Organization and Architecture	✓	✓	✓	✓
5.	II /I	Object Oriented Programming Using C++	✓	✓	✓	✓
6.	II/II	Discrete Mathematics	✓	✓	✓	✓
7.	II/II	Digital Logic Design	✓	✓	✓	✓
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 Behaviour	✓	✓	✓	✓
28.	IV/II	Distributed Systems	✓	✓	✓	✓
29.	IV/II	Information Security Fundamentals	✓	✓	✓	✓

CO-ORDINATOR **HoD**

1. Sample Gate Exams Question Paper

GATE 2022 General Aptitude (GA)

Q.1 – Q.5 Carry ONE mark each.

Q.1	The_____is too high for it to be considered_____.
(A)	fair / fare
(B)	faer / fair
(C)	fare / fare
(D)	fare / fair
Q.2	A function y(x) is defined in the interval [0, 1] on the x-axis as $y(x) = \begin{cases} 2 & \text{if } 0 \le x < 3 \\ 1 & \text{if } \frac{1}{3} \le x < \frac{3}{4} \\ 1 & \text{if } \frac{3}{4} \le x \le 1 \end{cases}$ Which one of the following is the area under the curve for the interval [0, 1] on the x-axis?
(A)	$\frac{5}{6}$
(B)	$\frac{6}{5}$
(C)	$\frac{13}{6}$
(D)	$\frac{6}{13}$
Q.3	Let r be a root of the equation $x^2 + 2x + 6 = 0$. Then the value of the expression $(r + 2)(r + 3)(r + 4)(r + 5)$ is

(A)	51
(B)	-51
(C)	126
(D)	-126
Q.4	Given below are four statements. Statement 1: All students are inquisitive. Statement 2: Some students are inquisitive.Statement 3: No student is inquisitive. Statement 4: Some students are not inquisitive. From the given four statements, find the two statements that **CANNOT BE TRUE** simultaneously, assuming that there is at least one student in the class.
(A)	Statement 1 and Statement 3
(B)	Statement 1 and Statement 2
(C)	Statement 2 and Statement 4
(D)	Statement 3 and Statement 4

Q.5	A palindrome is a word that reads the same forwards and backwards. In a gameof words, a player has the following two plates painted with letters.  From the additional plates given in the options, which one of the combinations of additional plates would allow the player to construct a five-letter palindrome.The player should use all the five plates exactly once. The plates can be rotated in their plane.
(A)	
(B)	
(C)	
(D)	

2. Sample MCQ Question Paper

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
Department of Information Technology

(R20CSE2204) 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

3. Sample Quiz Question Paper

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 Accredited, Approved by AICTE and Permanently affiliated to JNTUH
Sheriguda (V), Ibrahimpatnam, R.R.Dist, Hyderabad - 501 510

D4

BR-20

DEPARTMENT OF INFORMATION TECHNOLOGY

SUBJECT: OBJECT ORIENTED PROGRAMMING USING C++

TOPIC: QUIZ

1. C++ language was developed by ___.

A. Dennis Rechard
B. Dennis M. Ritchie
C. Bjarne Stroustrup
D. Anders Hejlsberg

Answer: C) Bjarne Stroustrup

2. In which year, the name of the language was changed from "C with Classes" to C++?

A. 1979
B. 1972
C. 1983
D. 1986

Answer: C) 1983

3. C++ language is a successor to which language?

A. B
B. C
C. Java
D. VB

Answer: B) C

4. C++ language is a ___.

A. Object Oriented Language
B. Procedural Oriented Language
C. Structural Oriented Language
D. None of the above

Answer: A) Object Oriented Language

5. C++ follows ___.

A. Top-Down Design approach
B. Bottom-Up Design approach
C. Both of the above
D. None of the above.

Answer: B) Bottom-Up Design approach

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

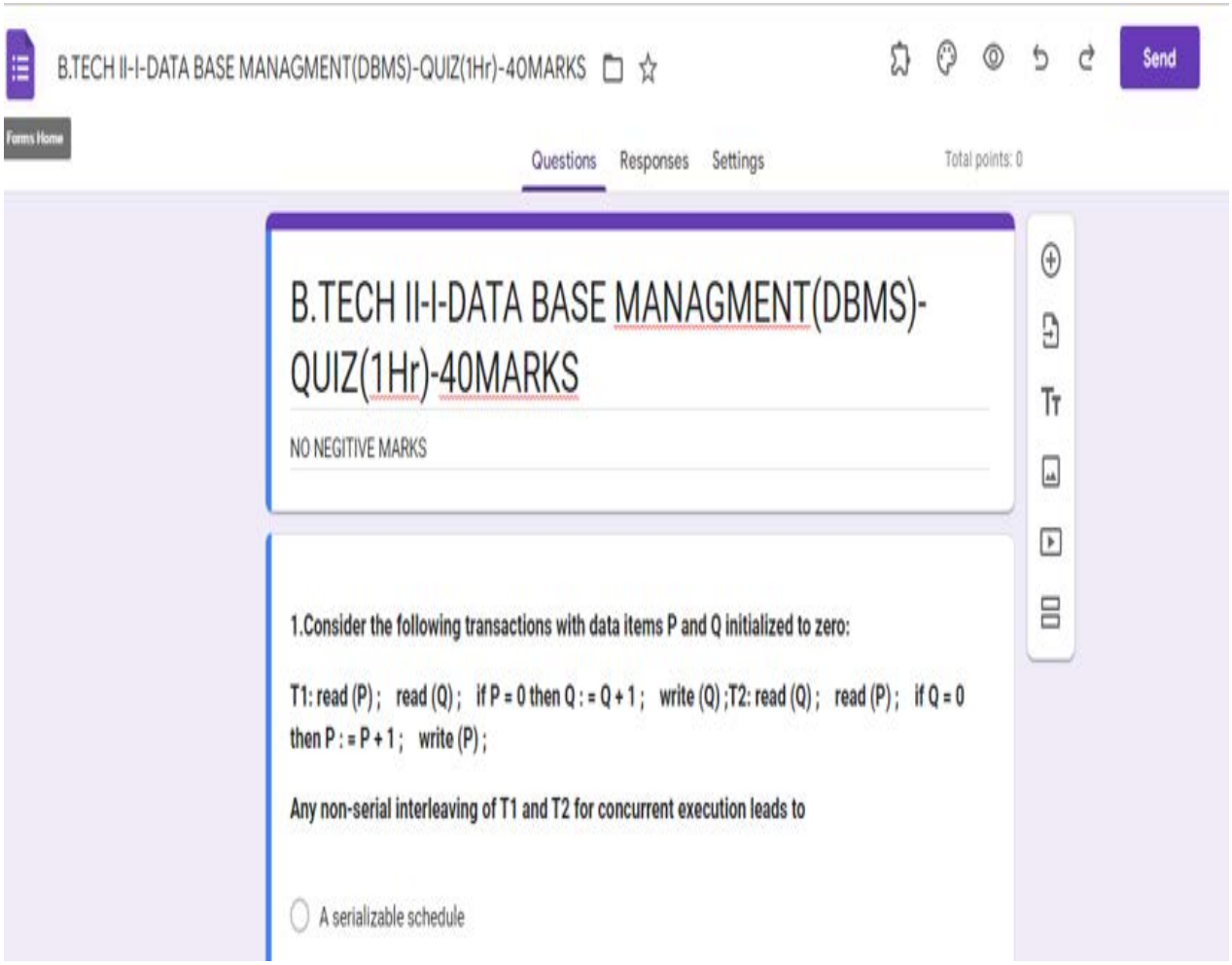
2. The time complexity used for inserting a node in a priority queue on the basis of key is:
a. O(n)
b. O(n2)
c. O(nlogn)
d. O(logn)
Answer: (a) O(n)

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)



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

4. 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
(e) No rearrangement required

DEPARTMENT OF INFORMATION TECHNOLOGY

Real Time Assignments and Case Studies
(A.Y: 2022-23)

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 : FACE DETECTION

Student Name	**20D41A1207 – Billa Kanti Niharika**
	20D41A1241 – Nimmalla Vamsi Ram
	20D41A1252 – Tourpu Manasa
Faculty In-Charge	**Mrs. J Radhika**

Abstract

Abstract Human face detection has become a major field of interest in current research because there is no deterministic algorithm to find face(s) in a given image. Further the algorithms that exist are very much specific to the kind of images they would take as input and detect faces. The problem is to detect faces in the given, colored class group photograph. The approach, we take is a mixture of heuristic and known algorithms. To detect faces we can put a number of simple rejection blocks in series, until we get the faces. Deeper the rejection block, more specifically it can be trained to eliminate non-faces. Various methods like neural networks, template matching, maximal rejection, fisher linear discriminants and eigenfaces have been tried. Finally, a combination of skin color segmentation, morphological operations (erosion), and eigenfaces has been used.

TITLE : ONLINE AUCTION SYSTEM

Student Name	**20D41A1210 – Chithimala Praveen**
	20D41A1231 – Lakkakula Siri Hasini
	20D41A1255 – Vangala Eshwar Reddy
Faculty In-Charge	**Mrs. K. Priyanka**

Abstract

Abstract:- An online auction is an auction which is held over the internet. It is a popular method for buying and selling products and services. Online Auction System s helps to customer to sell and buy product in best price. It is developed with the objective of making the system reliable, easier and fast. This application is used to sell the anything on the website from house. This

application is used to sell the anything on the website from house. It developed with the objective of making the system reliable, easier and fast. The application is made as simple as surfing a website. There by non-technical persons can also interact with the processing on the application easily.

TITLE : CRIME RATE PREDICTION

Student Name	**20D41A1206 – Balne Keerthana**
	20D41A1245 – Ramavath Rahul
	20D41A1258 – Voggu Akhil
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.

Keywords: Crime rate, number of crimes, regression algorithm, Machine learning

TITLE : SEARCH ENGINE

Student Name	**20D41A1202 – A. Keshava Reddy**
	20D41A1243 – Poosa Arjun
	20D41A1260 – Gujju Bhavani
Faculty In-Charge	**Mrs. J. Sushmitha**

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.

Keywords: Search engines, online survey, information literacy, user trust

DEPARTMENT OF INFORMATION TECHNOLOGY

Collaborative Learning Model
(A.Y: 2022-23)

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

DEPARTMENT OF INFORMATION TECHNOLOGY

SAMPLE DOCUMENTS

Course Name: Java Programming
Class: II B.Tech. II Sem
Teacher: Mrs. J Sasirekha
Date: 30 - JUNE – 2023
Activity : Group Assignments

Batch No	Assignment Questions	Roll. No
1	1. Explain about multithreading in java. 2. Write a short note about java thread model. 3. Differentiate process-based multitasking and thread-based multitasking. 4. Explain about java linked list class with example.	1201 – 1205
2	1. What are the states are there in thread life cycle. 2. How to create threads in java. 3. Write a java program using multithreading. 4. Explain Hash set class with example.	1206 - 1210
3	1. Explain about runnable interface with examples. 2. List out the thread class methods with examples.	1211 - 1215

	3. Explain about java thread priority with example. 4. Explain about tree set class with example.	
4	1. Explain about thread synchronization with example. 2. Explain about synchronized block with example. 3. Briefly explain inter thread communication. 4. Explain about scanner class with example.	**1216 - 1220**
5	1. Explain about java collection framework. 2. Explain about collection interface with example. 3. Explain about array list class with example. 4. Explain about formatter class with example.	**1221 - 1225**
6	1. Explain about priority queue class with example. 2. Explain about array dequeue class with example. 3. Explain about java collection iterator. 4. Explain about random class with example.	**1226 - 1230**
7	1. Explain about map interface in java. 2. Explain about hash map with example. 3. List out the comparators in java. 4. Explain about calendar class with example.	**1231 - 1235**
8	1. Explain about array class in java 2. Explain about dictionary class in java. 3. Explain about hashtable class in java. 4. Explain about date class with example.	**1236 - 1240**
9	1. Explain about stack class with example. 2. Explain about vector class with example. 3. Explain about string tokenizer class with example. 4. Explain about bitset class with example.	**1241 - 1245**
10	1. Explain about applet programming. 2. Differentiate AWT & Swing. 3. List out the AWT event listener interfaces with example. 4. Explain about applet class with example.	**1246 - 1250**
11	1. Define GUI with its applications. 2. Explain about AWT Tools with example(label,text field,button) 3. Explain about java AWT hierarchy with example. 4. Explain about event deligation model with neat diagram.	**1251 - 1255**
12	1. Explain about window adapter class and anonymous inner class with example. 2. List out the event and listener in java event handling with example. 3. Write a java program using AWT text area,checkbox,checkbox group with example. 4. Explain about keyboard event handling methods with example.	**1256 - 1260**
13	1. Write a java program using AWT listbox,choice,canvas with example. 2. Explain about mouse event handling methods with example 3. Explain about different types of layouts with example. 4. Write a program to implement calculator using grid layout.	**1261 - 1265**
14	1. Explain about swing components with example. 2. Write a java program using JScroll Pane,JDialoge and Swing Menu. 3. Explain about JTabbedPane with example. 4. Explain about JToggleButton with example	**LE 01 - 07**

GROUP ASSIGNMENTS

Course Name: OPERATING SYSTEMS
Class: II B.Tech. II Sem
Teacher: Mr. Shek Shakeel
Date: 27 - JUNE – 2023
Activity : Group Assignments

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY,Sheriguda (V), R.R.Dist.
(An Autonomous Institution under UGC)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ASSIGNMENT -2

YEAR / SEM : II YEAR D SEC / II SEM **A.Y:2022-2023**

SUB.CODE/NAME : R20CSE2202 / OPERATING SYSTEM **Date: 20.6.2023**

Batch . No	Assignment Questions	Register Number
1.	a. How will you handle synchronization problem using hardware? Discuss. b. A variable portion memory system has at some point in time the following box sizes in the order 20k,15k,40k,60k,10k,25k, a new process is to be loaded which block will be filled using best fit, first fit, worst fit respectively. c. Discuss the structure of directory and its implementation in detail.	21D41A05K6 to 21D41A05L0
2.	a. Explain critical section problem and discuss various algorithm to solve synchronization problem. List advantages and disadvantages of each. b. Given 5 memory partitions of 100 KB,500KB,200KB,300KB and 600KB how would the best fit, first fit, worst fit algorithm place processes of 310KB,589KB,96KB and 116 KB? Which algorithm makes the most efficient use of memory? c. Explain the different methods for allocating disk space to files.	21D41A05L1 to 21D41A05L5
3.	a. Examine dining philosopher's problem and develop a solution using monitors. b. Explain LRU page replacement algorithm with this example. Consider the following reference string 7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1 c. Explain about sequential and indexed file access methods.	21D41A05L7 to 21D41A05M1
4.	a. Explain the basic method of paging scheme. Show the hardware support for it with a diagram. b. Consider the following reference string: 1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,2,3,6 How many page faults would occur for the Optimal replacement algorithms? c. How Files System are organized with UNIX ? Explain with an example.	21D41A05M2 to 21D41A05M6

<table>
<tr><td>5.</td><td>a. Examine Readers/Writers problem with suitable algorithm.
b. A variable portion memory system has at some point in time the following box sizes in the order 20k,15k,40k,60k,10k,25k, a new process of 5k,28k,16k,55k,12k is to be loaded which block will be filled using best fit, first fit, worst fit respectively.
c. Discuss Contiguous, Linked, Indexed disk block allocation method with their merits and demerits.</td><td>21D41A05M7 to 21D41A05N1</td></tr>
<tr><td>6.</td><td>a. What is virtual memory? What hardware supports is needed to implement virtual memory? Explain with the help of an example that FIFO page replacement algorithm may encounter more number of page faults encountered by LRU page replacement algorithm.
b. Draw the diagram of structure of page table.
c. Discuss about the access rights and management simultaneous access.</td><td>21D41A05N2 to 21D41A05N6</td></tr>
<tr><td>7.</td><td>a. What are the various security requirements for the operating system? What are different types of security policies for different types of operating system?
b. Consider the following reference string:
1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,2,3,6
How many page faults would occur for the FIFO replacement algorithms?
c. Explain the different methods for allocating disk space to files.</td><td>21D41A05N7 to 21D41A05P1</td></tr>
<tr><td>8.</td><td>a. System consists of 5 processes. P1, P2, P3 and 3 resources (R1, R2, R3). Resource type R1 has 7 instances, Resource type R2 has 7 instances and Resource type R3 has 10 instances. The following snap shot of the system has been taken. Find out safe state
<table>
<tr><th rowspan="2">Process</th><th colspan="3">Allocation</th><th colspan="3">Max</th></tr>
<tr><th>R1</th><th>R2</th><th>R3</th><th>R1</th><th>R2</th><th>R3</th></tr>
<tr><td>P1</td><td>2</td><td>2</td><td>3</td><td>3</td><td>6</td><td>8</td></tr>
<tr><td>P2</td><td>2</td><td>0</td><td>3</td><td>4</td><td>3</td><td>3</td></tr>
<tr><td>P3</td><td>1</td><td>2</td><td>4</td><td>3</td><td>4</td><td>4</td></tr>
</table>
b. Write the difference between paging and segmentation.
c. Explain various directory structures used in operating system for storing files give
its merits and demerits?</td><td>21D41A05P2 to 21D41A05P6</td></tr>
<tr><td>9.</td><td>a. Consider the following snap shot of the system has been taken.
<table>
<tr><th rowspan="2">Process</th><th colspan="4">Allocation</th><th colspan="4">Max</th><th colspan="4">Available</th></tr>
<tr><th>R1</th><th>R2</th><th>R3</th><th>R4</th><th>R1</th><th>R2</th><th>R3</th><th>R4</th><th>R1</th><th>R2</th><th>R3</th><th>R4</th></tr>
<tr><td>P0</td><td>0</td><td>0</td><td>1</td><td>2</td><td>0</td><td>0</td><td>1</td><td>2</td><td>1</td><td>5</td><td>2</td><td>0</td></tr>
<tr><td>P1</td><td>1</td><td>0</td><td>0</td><td>0</td><td>1</td><td>7</td><td>5</td><td>0</td><td></td><td></td><td></td><td></td></tr>
<tr><td>P2</td><td>1</td><td>3</td><td>5</td><td>4</td><td>2</td><td>3</td><td>5</td><td>6</td><td></td><td></td><td></td><td></td></tr>
<tr><td>P3</td><td>0</td><td>6</td><td>3</td><td>2</td><td>0</td><td>6</td><td>5</td><td>2</td><td></td><td></td><td></td><td></td></tr>
<tr><td>P4</td><td>0</td><td>0</td><td>1</td><td>4</td><td>0</td><td>6</td><td>5</td><td>6</td><td></td><td></td><td></td><td></td></tr>
</table>
i)What is the content of matrix need?
ii) Is the system is in safe state?</td><td>21D41A05P7 to 21D41A05Q1</td></tr>
</table>

	iii)If the request from process P1 arrives for (0,4,2,0)can the request be granted immediately b. Discuss Contiguous, Linked, Indexed disk block allocation method with their merits and demerits. c. Discuss in detail about functions of files.	
10.	a. Explain how buffering is used with respect to storage devices. b. System consists of 5 processes. P1,P2,P3,P4,P5 and 3 resources (R1,R2,R3) . Resource type R1 has 10 instances, Resource type R2 has5 instances and Resource type R3 has 7 instances. The following snapshot of the system has been taken. Find out safe state. c. Explain about swapping in memory management.	21D41A05Q2 to 21D41A05Q6
11.	a. Consider the following snap shot of the system has been taken. i) What is the content of matrix need? ii) Is the system is in safe state? b. Explain the basic method of paging scheme. Show the hardware support for it with a diagram. c. Explain the different methods for allocating disk space to files.	21D41A05Q7 to 21D41A05R1
12.	a. Write the difference between contiguous and non- contiguous memory allocations. b. What are the various security requirements for the operating system? What are different types of security policies for different types of operating system? c. Consider the following reference string: 1,2,4,4,2,1,5,6,2,1,5,3,7,6,3,2,1,2,3,6 How many page faults would occur for the FIFO and LRU replacement algorithms?	21D41A05R2 to 21D41A05R6
13.	a. What is meant by demand paging? Explain in detail. b. Explain the Usage of open, create, read, write, close, lseek, stat, ioctl system calls. c. System consists of 5 processes. P1, P2, P3 and 3 resources (R1, R2, R3). Resource type R1 has 7 instances, Resource type R2 has 7 instances and Resource type R3 has 10 instances. The following snap shot of the system has been taken. Find out safe state	21D41A05R7 to 21D41A0520

Process	Allocation			Max			Available		
	R1	R2	R3	R1	R2	R3	R1	R2	R3
P1	0	1	0	7	5	3	3	3	2
P2	2	0	0	3	2	2			
P3	3	0	2	9	0	2			
P4	2	1	1	2	2	2			
P5	0	0	2	4	3	3			

Process	Allocation		Max		Available	
	R1	R2	R1	R2	R1	R2
P1	7	2	9	5	2	1
P2	1	3	2	6		
P3	1	1	2	2		
P4	3	0	5	0		

Process	Allocation			Max		
	R1	R2	R3	R1	R2	R3

		P1	2	2	3	3	5	8	
		P2	2	0	3	3	2	3	
		P3	1	2	4	4	4	4	
14.	a. Explain the resource- allocation graph algorithm for deadlock detection with relevant diagram. b. Consider the following reference string 7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1 Assume there are three frames. Apply LRU replacement algorithm to the reference string aboveandfindouthowmanypagefontsareproduced.IllustratetheLRUpagereplacement Algorithm in detail and also two feasible implementation of the LRU algorithm. c. Explain about sequential and indexed file access methods.								21D41A0521 to 21D41A0527

STUDENTS SEMINAR
Semester - I

S.No.	Year/ Sem	Roll. No.	Name Of The Student	Topic
1.	II/I	21D41A1230	Kadiyala Shivani	Search In Social Media
2.	II/I	21D41A1232	Kamatham Gopika	Deep Learning
3.	II/I	21D41A1236	Kasthala Sharath Chandra	Register Transfer Commutation
4.	II/I	21D41A1246	Mohammed Tajuddin	Quantum Complexity Theory
5.	II/I	21D41A1208	Badugula Hindu Reddy	Kernel Methods For Patten Analysis
6.	III/I	20D41A1217	J. Mamatha	Experiment In Computer Science
7.	III/I	20D41A1233	M. Nikhitha	Advanced Topics In Text Format
8.	III/I	20D41A1256	V. Akhil	Ethical Hacking
9.	III/I	20D41A1233	G. Akshitha	Black Chain Technology
10.	III/I	20D41A1206	Keerthana	Blue Eye Using Machine Learning
11.	IV/I	19D41A1215	J.Vineeth	Workflow Engine for Clouds
12.	IV/I	19D41A1246	T. Sri Harsha	Supply Chain Portal
13.	IV/I	19D41A1201	A.Mani Teja	Information Security Model
14.	IV/I	19D41A1211	G.Rushika	Clustering high dimensional data
15.	IV/I	19D41A1248	K.Vignesh Reddy	Python program with Raspberry PI with focus of interfacing external gadgets

Sample Photos

Seminar on Search In Social Media

Seminar on Deep Learning

Seminar on Register Transfer Commutation

Seminar on Quantum Complexity Theory

Seminar on Kernel Methods For Patten Analysis

Seminar on Deep Learning

Seminar on Experiment In Computer Science

Seminar on Advanced Topics In Text Format

Seminar on Ethical Hacking

Seminar on Black Chain Technology

Seminar on Workflow Engine for Clouds

Seminar on Supply Chain Portal

Seminar on Information Security Model

Seminar on Clustering high dimensional data

Semester - II

S.No.	Year/ Sem	Roll. No.	Name Of The Student	Topic
16.	II/II	21D41A1204	A. Sadhana	Python
17.	II/II	21D41A1252	Polkam Nithin	Machine Learning
18.	II/II	21D41A1224	Gouru Sathvika	Artificial Intelligence
19.	II/II	21D41A1220	Dendi Harshik Reddy	Java Servlet
20.	II/II	21D41A1230	Kadiyala Shivani	Digital Image Processing
21.	II/II	20D41A1203	B.Chandana	Unsupervised Representing Learning
22.	II/II	20D41A1220	Srikanth	Data Sources For EmergingTechnology
23.	II/II	20D41A1226	K.Raju	Ml And Optimizing
24.	II/II	20D41A1258	Akhil	Ontology Based Data Access
25.	II/II	20D41A1249	Rajasree	Concurrent Debugging
26.	IV/II	19D41A1215	J.Vineeth	Behavioral Neuroscience Information Theory In Computer Science
27.	IV/II	19D41A1201	A.Mani Teja	
28.	IV/II	20D45A1205	T.Sai Kumar	
29.	IV/II	19D41A1246	T. Sri Harsha	Behavioral Neuroscience Information Theory In Computer Science
30.	IV/II	19D41A1248	K.Vignesh Reddy	
31.	IV/II	19D41A1211	G.Rushika	
32.	IV/II	18D41A1259	E. Vishnu Vardhan Reddy	
33.	IV/II	19D41A1229	Mogili Archana	Information Theory In Computer Science
34.	IV/II	19D41A1219	K.Kranthi Kumar	
35.	IV/II	19D41A1251	Padala Jashwanth	

Seminar on Python

Seminar on Machine Learning

Seminar on Artificial Intelligence

Seminar on Java Servlet

Seminar on Unsupervised Representing Learning

Seminar on Data Sources For Emerging Technology

Seminar on Ml And Optimizing

Seminar on Ontology Based Data Access

Seminar on Behavioral Neuroscience
Information Theory In Computer Science
Behavioral Neuroscience

Seminar on Information Theory In Computer Science

Seminar on Behavioral Neuroscience Information Theory In Computer Science

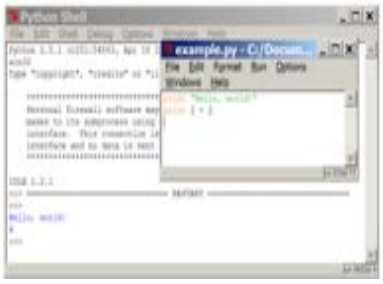
Class: IV B.Tech. I Sem
Teacher: Ms. J. Radhika
Date: 11-07-2023
Activity : Students Seminar
Student Name: Ms. Sadhana (21D41A1204)
Topic: Introduction to Python Programming

python™

Introduction to Programming with Python

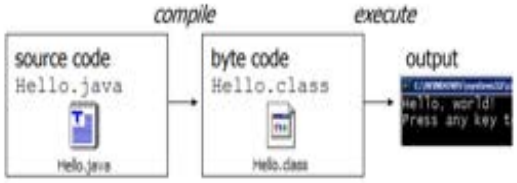
Programming basics

- **code** or **source code**: The sequence of instructions in a program.
- **syntax**: The set of legal structures and commands that can be used in a particular programming language.
- **output**: The messages printed to the user by a program.
- **console**: The text box onto which output is printed.
  - Some source code editors pop up the console as an external window, and others contain their own console window.

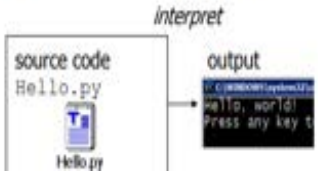


Compiling and interpreting

- Many languages require you to *compile* (translate) your program into a form that the machine understands.



- Python is instead directly *interpreted* into machine instructions.

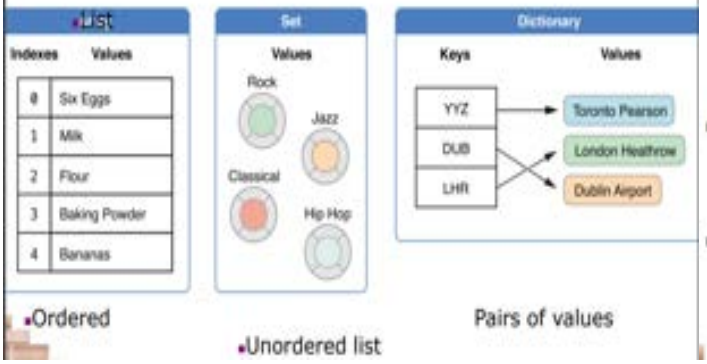


The Python Interpreter

- Python is an interpreted language
- The interpreter provides an interactive environment to play with the language
- Results of expressions are printed on the screen

```
>>> 3 + 7
10
>>> 3 < 15
True
>>> 'print me'
'print me'
>>> print 'print me'
print me
>>>
```

Types for Data Collection List, Set, and Dictionary



- Ordered
- Unordered list
- Pairs of values

Defining a Class

- Python program may own many objects
  - An object is an item with fields supported by a set of method functions.
    - An object can have several fields (or called attribute variables) describing such an object
    - These fields can be accessed or modified by object methods
  - A class defines what objects look like and what functions can operate on these object.
- Declaring a class:

```
class name:
    statements
```

- Example:

```
class UCSBstudent:
  age = 21
   schoolname='UCSB'
```

Constructors

```
def __init__(self, parameter, ..., parameter):
    statements
```

- a constructor is a special method with the name `__init__`
- Example:

```
class Point:
    def __init__(self, x, y):
        self.x = x
        self.y = y
    ...
```

- How would we make it possible to construct a `Point()` with no parameters to get (0, 0)?

Operator Overloading

- **operator overloading**: You can define functions so that Python's built-in operators can be used with your class.
  - See also: http://docs.python.org/ref/customization.html

Operator	Class Method
-	`__neg__(self, other)`
+	`__pos__(self, other)`
*	`__mul__(self, other)`
/	`__truediv__(self, other)`

Unary Operators

-	`__neg__(self)`
+	`__pos__(self)`

Operator	Class Method
==	`__eq__(self, other)`
!=	`__ne__(self, other)`
<	`__lt__(self, other)`
>	`__gt__(self, other)`
<=	`__le__(self, other)`
>=	`__ge__(self, other)`

Inheritance

```
class name(superclass):
    statements
```

- Example:

```
class Point3D(Point):    # Point3D extends Point
    z = 0
    ...
```

- Python also supports *multiple inheritance*

```
class name(superclass, ..., superclass):
    statements
```

(if > 1 superclass has the same field/method, conflicts are resolved in left-to-right order)

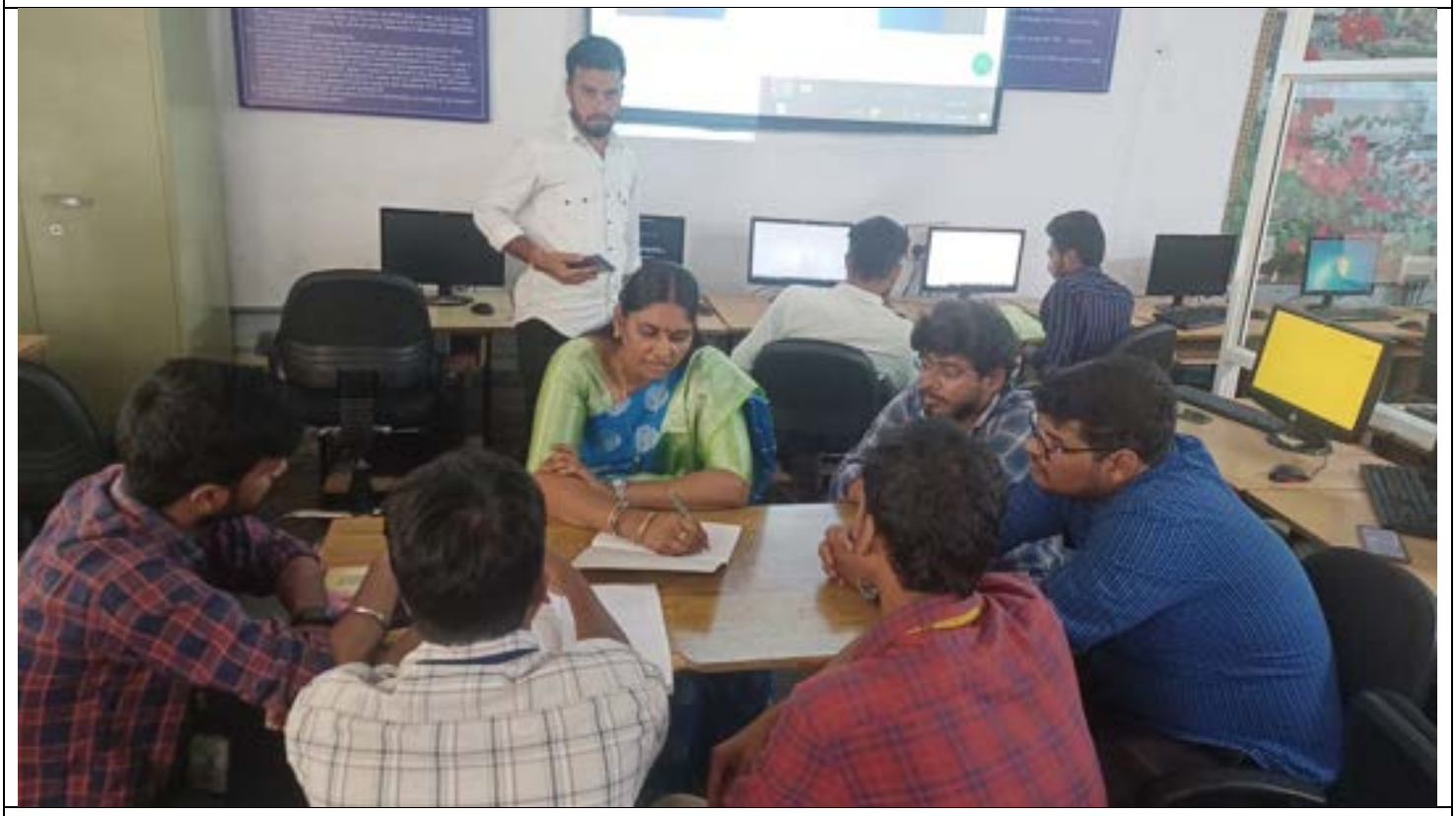
Calling Superclass Methods

- methods: **class.method(object, parameters)**
- constructors: **class.__init__(parameters)**

```
class Point3D(Point):
    z = 0
    def __init__(self, x, y, z):
        Point.__init__(self, x, y)
        self.z = z

    def move(self, dx, dy, dz):
        Point.move(self, dx, dy)
        self.z += dz
```

TEAM COLABORATION IN PRACTICAL SESSION



DEPARTMENT OF INFORMATION TECHNOLOGY

Simulation Tools And Virtual Labs
(A.Y: 2022-23)

S.No.	YEAR/SEM	LAB CODE	NAME OF THE LABORATORY	SOFT WARE	VIRTUAL LABS LINK	DURATION
1.	II/I	R20ECE21L4	Analog Electronics lab	-	https://be-iitkgp.vlabs.ac.in/	3 Sessions
2.	II/I	R20CSE21L1	Data Structures Lab	Turbo C	https://ds1-iiith.vlabs.ac.in/List%20of%20experiments.html	5 Sessions
3.	II/I	R20CSE21L3	C++ Programming Lab	Turbo C	https://cse02-iiith.vlabs.ac.in/List%20of%20experiments.html	3 Sessions
4.	II/II	R20CSE22L1	Operating Systems Lab	Turbo C	https://www.cse.iitb.ac.in/~mythili/os/	5 Sessions
5.	II/II	R20CSE22L3	Java Programming lab	Java Developer Kit	https://java-iitd.vlabs.ac.in/	3 Sessions
6.	III/I	R20CSE31L1	Software Engineering Lab	Turbo C	http://vlabs.iitkgp.ernet.in/se/	3 Sessions

SAMPLE PHOTOS

Subject : C++ Programming Lab
Staff : Mrs. J. Radhika
Title : Inheritrance

Subject : Data Structures
Staff : Mrs. J. Sasirekha
Title : Tries and its types

Subject : Operating Systems Lab
Staff : Mr. Shek Shakeel
Title : Scheduling Algorithm

Subject : Software Engineering
Staff : Mrs. K. Priyanka
Title : Software Engineering Model

NPTEL – VIDEO LECTURE

II-II
NPTEL topic on Introduction To Artificial Intelligence

II-II
NPTEL Topic On DBMS

III-II
NPTEL topic on the Joy Of Computing Using Python

III-II
NPTEL topic on Cloud Computing

IV-II
NPTEL topic on Deep learning For Computer Vision

IV-II
NPTEL topic on Natural language Processing

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution under UGC, New Delhi)
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Sheriguda (V), Ibrahimpatnam, R.R.Dist, Hyderabad - 501 510

D4

BR-22

DEPARTMENT OF INFORMATION TECHNOLOGY

Project based learning
(A. Y: 2022-23)
YEAR/SEM: 1V B.TECH (IT) (MAJOR PROJECT)

S.No.	Batch No.	Roll No.	Name of the Student	Major Project Title
1.	1	19D41A1206	C.KARTHIK	Crop Recommendation Systems using ML
2.		19D41A1207	CH BALAJI	
3.		19D41A1245	S.SAI	
4.	2	19D41A1215	J.VINEETH	Object Count in Images
5.		19D41A1201	A.MANI TEJA	
6.		20D45A1205	T.SAI KUMAR	
7.	3	20D45A1206	U.MANI SHANKAR	Smart Health Disease Prediction System
8.		19D41A1226	M.AVINASH	
9.		19D41A1216	K.PATANJALI BRAHMA	
10.	4	19D41A1224	LAKKIREDDY NIVEDITHA REDDY	Mining Fraudsters and Fraudulent Strategies in Large-Scale Mobile Social Networks
11.		19D41A1238	NAGA RUCHITHA REDDY	
12.		19D41A1240	RALLAGUDEM ABHISHEK REDDY	
13.	5	19D41A1202	AERVA ANUSHA REDDY	Sentiment Analysis of Lockdown in India during Covid-19 a Case Study on Twitter
14.		19D41A1241	RAMIDI NIHARIKA	
15.		19D41A1204	B.HARSHITH	
16.	6	19D41A1246	T. SRI HARSHA	A Hybrid E-Learning Recommendation Approach Based on Learner's Influence
17.		19D41A1218	K.SAMARASIMHA REDDY	
18.		19D41A1228	MD AMAAN	

19.	7	19D41A1213	G.AKHIL REDDY	Using Data Mining to Predict Hospital Admission from the Emergency Department
20.		19D41A1248	K.VIGNESH REDDY	
21.		19D41A1249	Y.RAKESH REDDY	
22.		19D41A1217	K.RISHITHA REDDY	
23.	8	19D41A1230	NAGARALA DIVYA	Efficient Keyword-Aware Representing Travel Route Recommendation
24.		19D41A1233	NANDYALA CHANDANA	
25.		19D41A1254	ANTHATI PAVAN	
26.	9	19D41A1229	MOGILI ARCHANA	Protecting User Data in Profile-Matching Social Networks
27.		19D41A1209	DAREDDY SHREYA REDDY	
28.		20D45A1202	D.SIDDARTHA REDDY	
29.	10	19D41A1236	PALLREDDY YASHWITHA REDDY	Web Data Mining to Detect Online Spread of Terrorism
30.		19D41A1205	B.CHARAN	
31.		19D41A1255	K.SAINATH	
32.		19D41A1243	S.MARUTHI	
33.	11	19D41A1242	RANABOTHU ROHILA	Secure Data Transfer and Deletion From Counting bloomfilter in Cloud Computing
34.		19D41A1219	K.KRANTHI KUMAR	
35.		19D41A1237	PAMPARI MAHESH	
36.	12	19D41A1214	GUDIPATI SHYLAJA	Crime Analysis Mapping , Intrusion Detection- Using Data Mining
37.		19D41A1234	N SIDDU	
38.		19D41A1212	G.NITHEESH REDDY	
39.	13	19D41A1221	K.RAHUL	Data Mining with Big Data
40.		19D41A1244	S.AKHILESH	
41.		19D41A1235	RISHITH	
42.	14	20D45A1201	CHIDURALA AKSHAYA	Connecting Social Media to E-Commerce for Future Generation Systems
43.		19D41A1247	VASA SAI TEJA	
44.		20D45A1204	KOTTE SURYA	
45.	15	19D41A1211	G RUSHIKA	Similarity Search for Encrypted Images in Secure Cloud Computing
46.		19D41A1222	K MANIKANTH REDDY	

47.		19D41A1232	N.MANI SAI VARMA	
48.	16	19D41A1239	RACHAMALLA REENA SAI	SPCSS Social Network Based Privacy Preserving Criminal Suspects Sensing
49.		19D41A1210	E.THANUJ GOUD	
50.		19D41A1231	N.NAVEEN	
51.	17	19D41A1203	AUMOLU PAVANI	Secure Keyword Search and Data Sharing Mechanism of Cloud Computing
52.		19D41A1250	YENUGULA AKSHAYA	
53.		18D41A1212	ANIL KUMAR	
54.	18	19D41A1251	PADALA JASHWANTH	Attribute Based Storage Supporting Secure Deduplication of Encrypted data in Cloud
55.		20D45A1203	JONNAALAGADDA JAGADEESH	
56.		19D41A1253	BADAM RAMA KRISHNA	
57.	19	19D41A1223	KURAPATI SWAPNA	"CDA Generation and Integration for Health Information Exchange Based on Cloud Computing System"
58.		19D41A1225	M.SPANDANA	
59.		19D41A1227	M.SAI KIRAN	
60.		18D41A1259	E.VISHNU VARDHAN REDDY	

Project Review : PPT Presentation


LOAN APPROVED


TRAINING CURVE

PPT Sample

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

AGRICULTURE CROP RECOMMENDATION BASED ON PRODUCTIVITY AND SEASON

PRESENTED BY

L.Niveditha Reddy-19D41A1224
A.Pavani-19D41A1203
G.Nitheesh Reddy-19D41A1212
N.Mani Sai Varma-19D41A1232

Under The Guidance of

G.Sushmitha

ABSTRACT

- Agriculture is a major contributor to the Indian economy. The common problem existing among the Indian farmers is they don't choose the right crop based on their soil requirements.
- Precision agriculture is a modern farming technique that uses research data of soil characteristics, soil types, crop yield data collection and suggests the farmers the right crop based on their site-specific parameters.
- By this system, the Indian farmers will be able to form a decision about which crop to grow depending on the sowing season, his farm's geographical location and soil characteristics.

EXISTING SYSTEM

- An approach proposes a model that makes use of historical records of data training sets.
- It predicts the yield of crop on the basis of monthly weather patterns.
- Artificial neural network, K-nearest neighbor such algorithms were also used.

Drawback

This model concentrated on single parameter i.e. weather or soil for the prediction of crop growth.

PROPOSED SYSTEM

- This system considers all the appropriate parameters, including temperature, rainfall, location and soil condition, to predict crop suitability.
- This system also provides the profit analysis on crops grown in different states which gives the user an easy and reliable insight to decide and plan the crops.

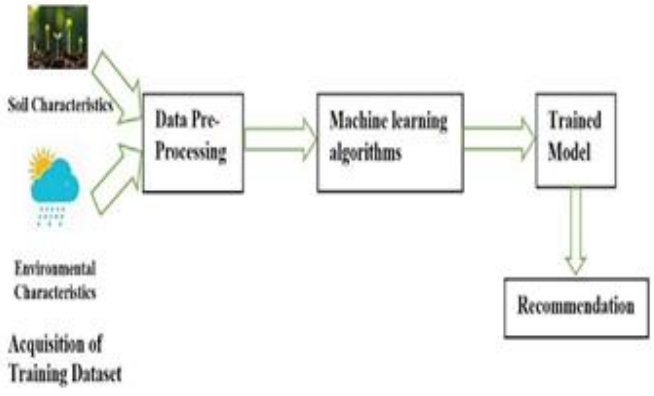
MACHINE LEARNING MODELS

- Decision Tree
- Logistic Regression
- Support Vector Machine
- Naive Baye's
- Random Forest

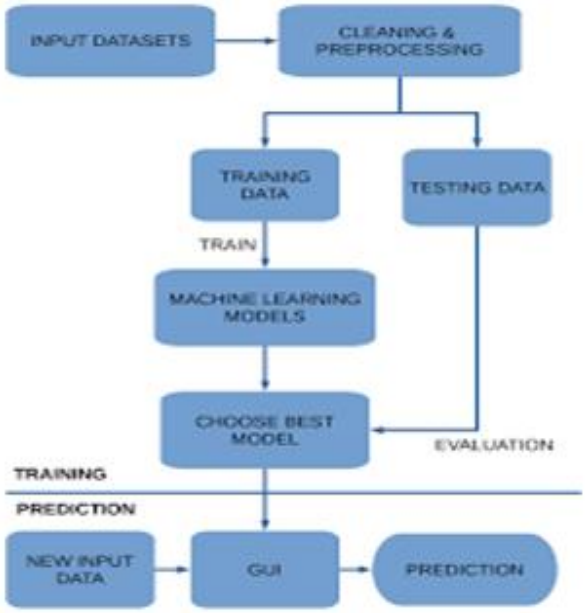
ANALYSIS

- During system analysis the feasibility study of the proposed system is to be carried out.
- Three key considerations involved in the feasibility analysis are
- ECONOMICAL FEASIBILITY
- TECHNICAL FEASIBILITY
- SOCIAL FEASIBILITY

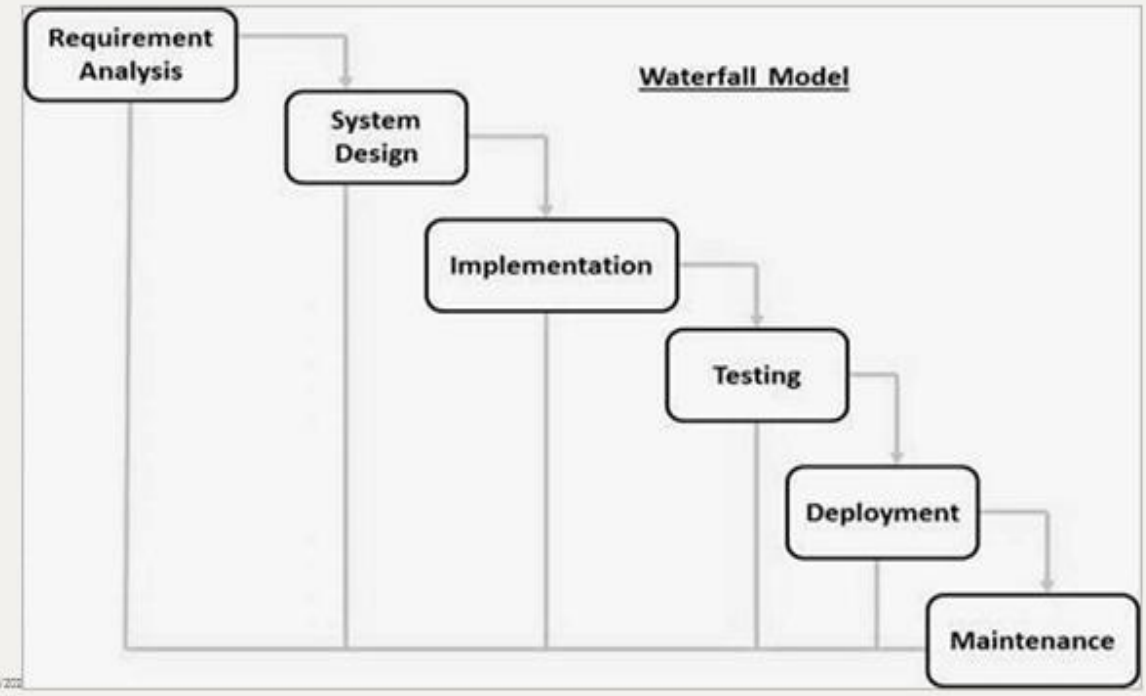
SYSTEM ARCHITECTURE



FLOWCHART



WATERFALL MODEL



CONCLUSION

1

This system helps the farmer to choose the right crop and decreases the chance of crop failure and increases productivity and also prevents from losses

2

Boost's the Indian economy and most importantly assist farmers in increasing their income

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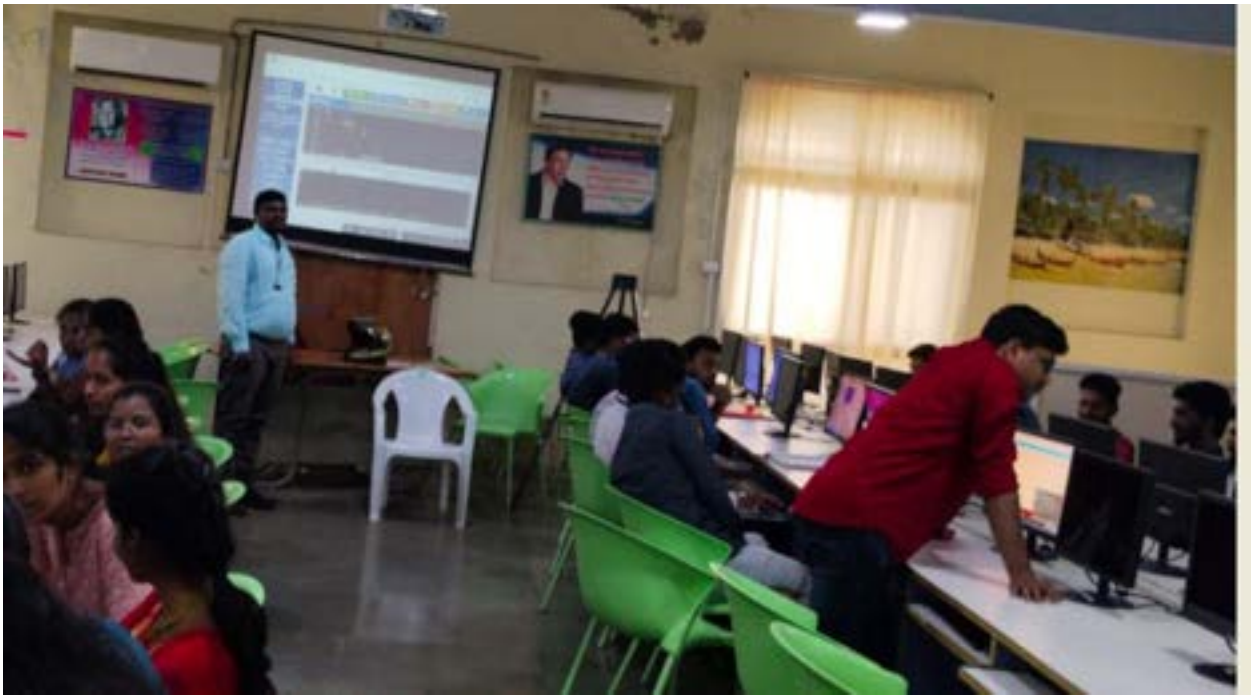
DEPARTMENT OF INFORMATION TECHNOLOGY

LABORATORY COURSES
(A.Y: 2022-23)

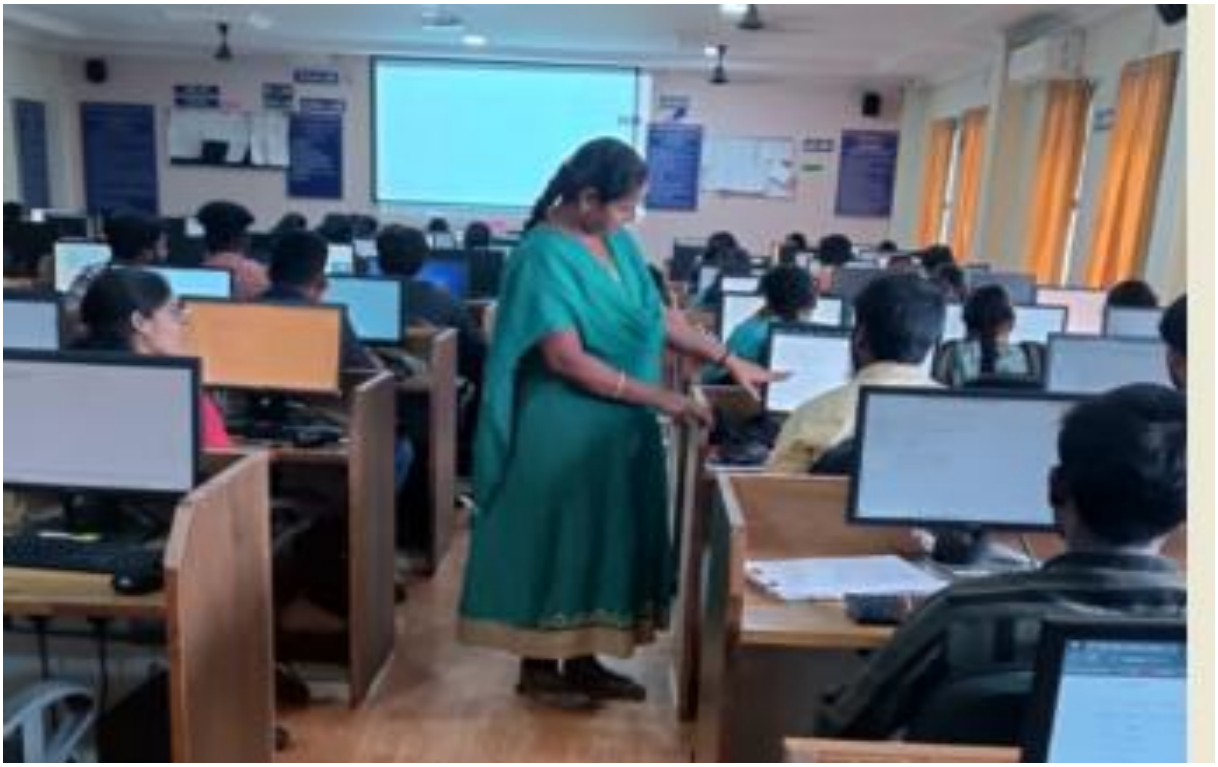
S.No.	YEAR/SEM	COURSE CODE	NAME OF THE LABORATORY
1.	II/I	R20ECE21L4	Analog Electronics lab
2.	II/I	R20CSE21L1	Data Structures Lab
3.	II/I	R20CSE21L3	C++ Programming Lab
4.	II/I	R20CSE21L2	IT Workshop Lab
5.	II/II	R20CSE22L1	Operating Systems Lab
6.	II/II	R20CSE22L2	Database Management Systems Lab
7.	II/II	R20CSE22L3	Java Programming lab
8.	III/I	R20CSE31L1	Software Engineering Lab
9.	III/I	R20CSE31L2	Computer Networks & Web Technologies Lab
10.	III/I	R20HAS31L1	Advanced Communication Skills Lab
11.	III/II	R20CSE32L1	Machine Learning Lab
12.	III/II	R20INF32L1	Compiler Construction Lab
13.	IV/I	R20INF41L1	Information Security Lab

Data Structures Lab

C++ Programming Lab



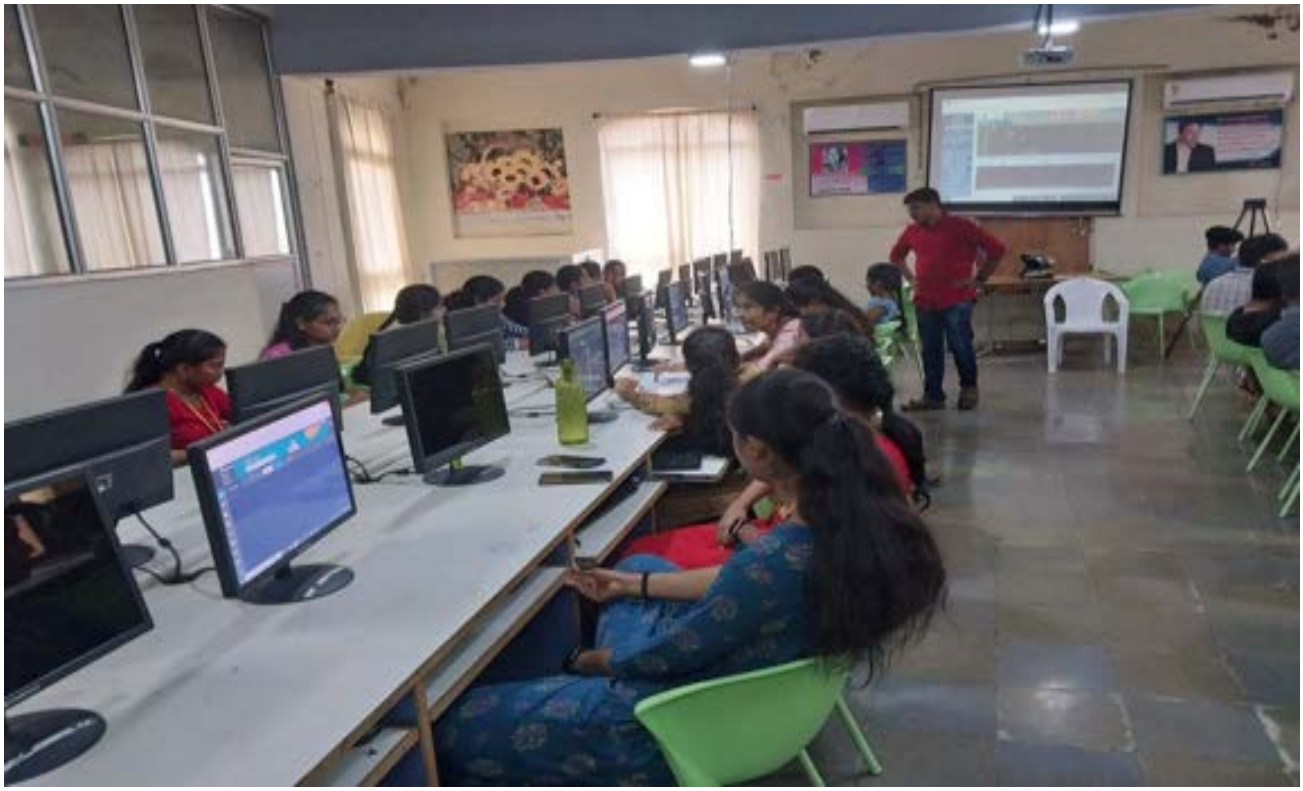
Operating Systems Lab



Java Programming lab

Database Management Systems Lab

Software Engineering Lab



Computer Networks & Web Technologies Lab

Machine Learning Lab

Compiler Construction Lab

Information Security Lab