





## MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

Sponsored by CMR Educational Society

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC - "A" Grade - ISO 9001:2015 Certified) Maisammaguda, Dhulapally (Post Via Hakimpet), Secunderabad - 500100, Telangana State, India. Contact Number: 040-23792146/64634237, E-Mail ID: <u>mrcet2004@gmail.com</u>, website: <u>www.mrcet.ac.in</u>

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

## III B.TECH I SEMESTER

## **INNOVATIVE CLASSROOM TEACHING**

## <u>2023-24</u>



## **LIST OF ACTIVITIES**

S.No	NAME OF THE ACTIVITY
1	MIND MAPPING
2	PRESENTATION
3	QUIZ
4	ROLE PLAY
5	BRAIN STORMING
6	THINK-PAIR-SHARE
7	TECHNICAL DUMB CHARADES

# **COMPILER DESIGN**

## Name of the Activity: Mind Map

Faculty Name: Dr.V. Sangeetha

Class/ Semester: III/I CSE-D

Academic Year: 2023-24

#### Subject Name: Compiler Design

# **Topics: Types Of Translators, Types Of Compiler, Phases Of Compiler, Compiler, Data Structures Of Compiler**

Students are required to form team of four to five people using topics they are given. Each team is given a concept for their mind map and presentation in class. Mindmap is used to visually organize information and shows relationships among them. It was developed on a single idea and shown as an image in the middle of a blank page, on which accompanying illustrations of concepts, such as illustrations, words, and word fragments, are added. It is a great way of note-taking and note-making that literally "mapsout" the ideas in a visual form. Students that use mind maps find it easier to remember and recall concepts.

#### **Objectives:**

- 1. To assess the understanding levels of the students.
- 2. To improve the organizing ideas and memorization.
- 3. To make complex concepts easier to learn.
- 4. To enhance the creativity of students in organizing ideas.

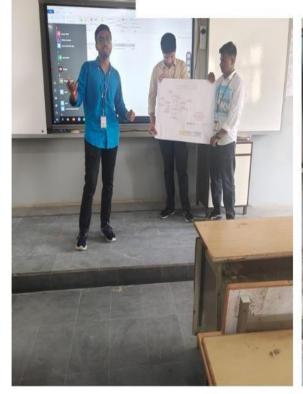
### LIST OF PARTICIPANTS

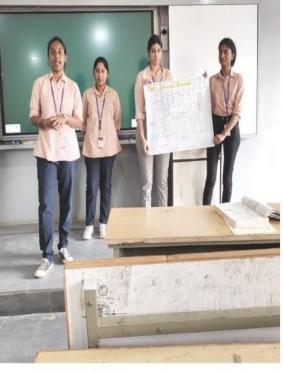
	COMPILER DESIGN			
ROLLNO	TOPIC	TEAM		
21N31A05R3				
21N31A05L4	Types Of Translators	1		
21N31A05R5	Types Of Translators	1		
21N31A05N9				
21N31A05M2				
21N31A05L3	Types Of Compiler	2		
21N31A05M3	Types of complici	2		
21N31A05M5				
21N31A05M1				
21N31A05P2		3		
21N31A05P8		5		
21N31A05P7	Phases Of Compiler			
21N31A05M8				
21N31A05Q6		4		
21N31A05M0		-		
21N31A05N2	Compiler			
21N31A05N3				
21N31A05Q5	Data Structures Of Compiler	5		
21N31A05L2	Data Structures Or Complier	5		
21N31A05M9				





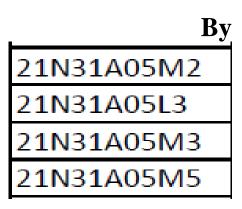
## MIND MAPPING ON COMPILER DESIGN





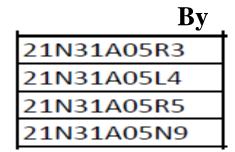


## MIND MAP TYPES OF COMPILER DATED: 21-08-2023





## MIND MAP TYPES OF TRANSLATORS DATED: 21-08-2023

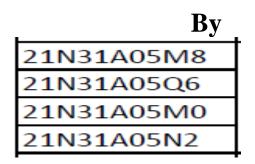




## MIND MAP

## COMPILER

DATED: 21-08-2023



## Name of the Activity: Presentation

#### Faculty Name: Mr. Satheesh Kumar

Class/ Semester: III/I CSE-C

Academic Year: 2023-24

#### Subject Name: Compiler Design

## **Topics: Types Of Translators, Types Of Compiler, Phases Of Compiler, Compiler, Data Structures Of Compiler**

A team of 4-5 students are invited to assemble after being provided concepts. On the day of the exercise, an idea is allocated to each team, and they must develop a PPT and present it in class. Presentations provide possibilities for group skill and knowledge development and are a useful tool for peer learning. Prior to class, topics are briefly discussed. 4-5 students make up each team.

Presentation period: 20 minutes

#### **Objectives:**

- 1. To assess the oratory skills of the students.
- 2. To make the students confident.
- 3. To understand the grasping level of students regarding concepts learnt.

## LIST OF PARTICIPANTS

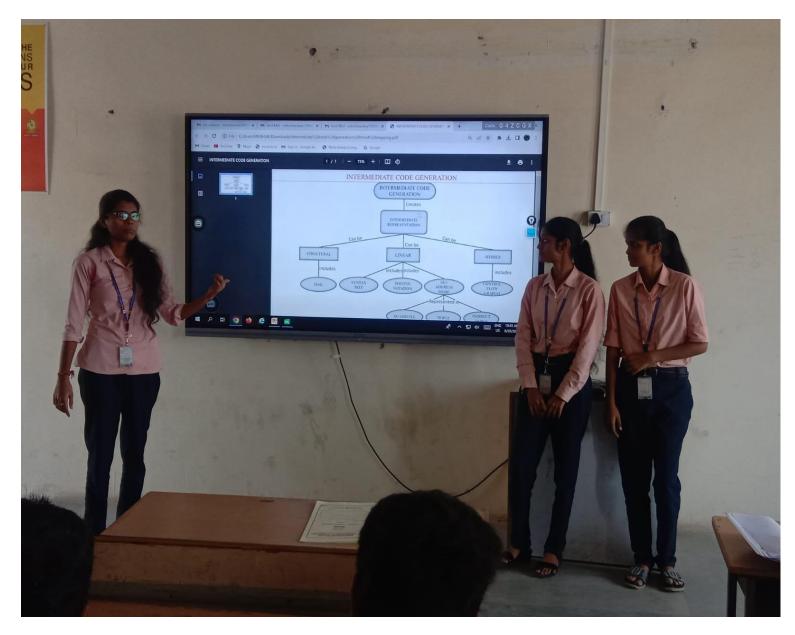
GROUP MEMBERS	ТОРІС
Dheerai Kumar -5G2 Sriram -5K8	Phases of a Compiler
Anil - 5E1 Venu - 5E4 Sai Charan - 5J2	Phases of compiler and types of grammar
Riyaz - 5J3 Mukesh - 5F2	Code optimisation techniques
K Indu - 516 P Navya - 5K0 P Ashwini - 5G7	Intermediate code generation
Pragna - 5G6 Varshitha - 5G9 Anjali - 5F5	Syntax analyzer
Darshini - 5H1 Varshitha - 5K7	Types of compiler
Javanth - 5D5 Rahul - 5D8 Stitan - 5G3	Language processing system
<u> Varshitha</u> - 5K7	Types of phases in compiler
5D6 - M. Varunreddy 5G4 - N. V KRITHIK 5J4 - P. MAHESH 5F3 - M. RATNA TEJ	MIND MAPPING
Stivani - 5E9 Rakshitha - 5F8 Bhavitha - 5K2 Shirisha - 5K5	Language processing system



PRESENTATION PHASES OF COMPILER AND TYPES OF GRAMMAR DA

DATED: 21-08-2023

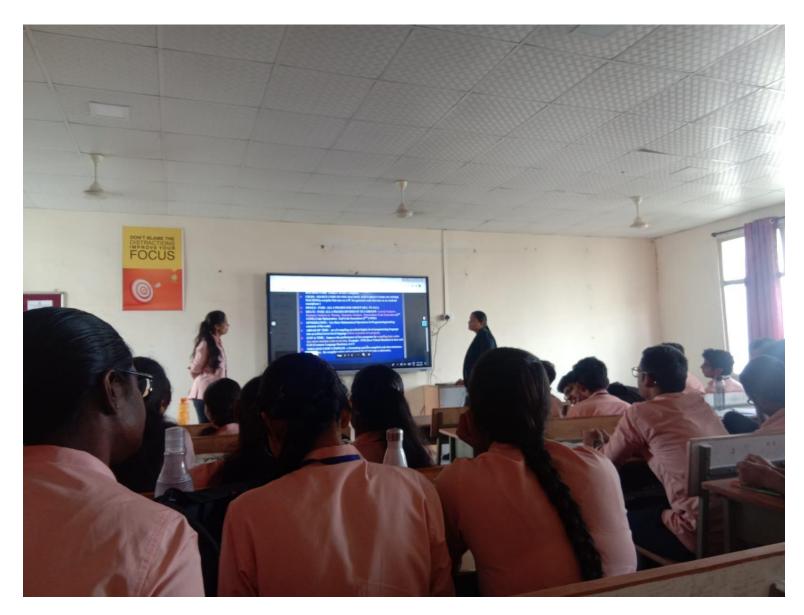
BY Anil - 5E1 Venu - 5E4 Sai Charan - 5J2



PRESENTATION INTERMEDIATE CODE GENERATION DATED: 21-08-2023

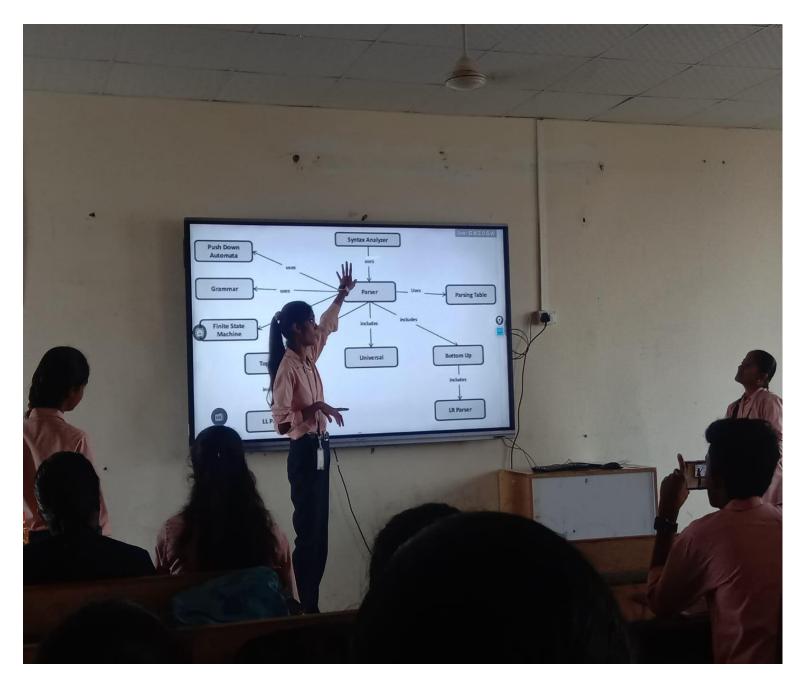
BY

K Indu - 516 P Navya - 5K0 P Ashwini - 5G7



## PRESENTATION TYPES OF COMPILER DATED: 21-08-2023

вч Darshini - 5H1 Varshitha - 5K7



## PRESENTATION SYNTAX ANALYZER DATED: 21-08-2023

BY Pragna - 5G6 Varshitha - 5G9 Anjali - 5F5



PRESENTATION LANGUAGE PROCESSING SYSTEM DATED: 21-08-2023

BY

Javanth - 5D5 Rahul - 5D8 Sriram - 5G3

## Name of the Activity: Mind Map

Faculty Name: Mr.

Class/ Semester: III/I CSE-B

Academic Year: 2023-24

#### Subject Name: Compiler Design

#### **Topics:**

Students are required to form team of four to five people using topics they are given. Each team is given a concept for their mind map and presentation in class. Mindmap is used to visually organize information and shows relationships among them. It was developed on a single idea and shown as an image in the middle of a blank page, on which accompanying illustrations of concepts, such as illustrations, words, and word fragments, are added. It is a great way of note-taking and note-making that literally "mapsout" the ideas in a visual form. Students that use mind maps find it easier to remember and recall concepts.

#### **Objectives:**

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- 2. To improve the organizing ideas and memorization.
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- 4. To enhance the creativity of students in organizing ideas.

### LIST OF PARTICIPANTS

MIND MAPPING ACTIVITY				
COMPILER DESIGN				
ROLLNO NAME TOPIC TEAM			TEAM	
21N31A05B8	K Sai Shreeya			
21N31A0598	K Hemima	File processing system 1		
21N31A0592	K Vaishnavi			
21N31A05B7	K Pranitha	]		
21N31A0579	G Sai Charan			
21N31A0583	H Prijwal Reddy	Types Of Compiler 2		
21N31A05D0	Aman Shah			
		]		



## MIND MAP FILE PROCESSING SYSTEM DATED: 21-08-2023

	BY
21N31A05B8	
21N31A0598	
21N31A0592	
21N31A05B7	



## MIND MAP TYPES OF COMPILER DATED: 21-08-2023

	BY
21N31A0579	
21N31A0583	
21N31A05D0	

## Name of the Activity: Mind Map

Faculty Name: Mr. Vigneshwar Rao

Class/ Semester: III/I CSE-A

Academic Year: 2023-24

#### Subject Name: Compiler Design

#### **Topics:**

Students are required to form team of four to five people using topics they are given. Each team is given a concept for their mind map and presentation in class. Mindmap is used to visually organize information and shows relationships among them. It was developed on a single idea and shown as an image in the middle of a blank page, on which accompanying illustrations of concepts, such as illustrations, words, and word fragments, are added. It is a great way of note-taking and note-making that literally "mapsout" the ideas in a visual form. Students that use mind maps find it easier to remember and recall concepts.

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- 3. To make complex concepts easier to learn.
- 4. To enhance the creativity of students in organizing ideas.

## LIST OF PARTICIPANTS

MIND MAPPING ACTIVITY			
COMPILER DESIGN			
ROLLNO	NAME	ТОРІС	TEAM
21N31A0504	Afreen unnisa		
21N31A0530	Akshitha	First Function	1
21N31A0549	Nishitha		1
21N31A0557	Manaswini		
21N31A0516	Ruseshwar Rao		
21N31A0518	Shiva Kumar	Phases Of Compiler	2
21N31A0533	Mahendra	Fliases Of Compiler	2
21N31A0546	Gayathri		
21N31A0502	Soumya		
21N31A0505	Sravani	Language Processing System	3
21N31A0506	Pavalika	Language Processing System 3	
21N31A0523	Babysree		



## MIND MAP PHASES OF COMPILER DATED: 21-08-2023

BY
21N31A0516
21N31A0518
21N31A0533
21N31A0546

# **DIGITAL FORENSICS**

## Name of the Activity: Presentation

Faculty Name: Mr. P. Dasthagiri Reddy

Class/ Semester: III/I CSE-D

Academic Year: 2023-24

#### **Subject Name: Digital Forensics**

## **Topics: Forensics science, Laws and Principles of Forensic Science, digital forensics, History of Forensics science, Digital forensics, Computer forensics**

A team of 3-4 students are invited to assemble after being provided concepts. On the day of the exercise, an idea is allocated to each team, and they must develop a PPT and present it in class. Presentations provide possibilities for group skill and knowledge development and are a useful tool for peer learning. Prior to class, topics are briefly discussed. 3-4 students make up each team.

Presentation period: 20 minutes

#### **Objectives:**

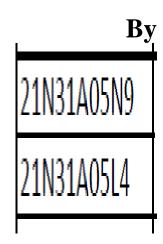
- 1. To assess the oratory skills of the students.
- 2. To make the students confident.
- 3. To understand the grasping level of students regarding concepts learnt.

## LIST OF PARTICIPANTS

Digital Forensics		
ROLLNO	TOPIC	TEAM
21N31A05N9	Forensic Science	
21N31A05L4	FOI EIISIC SCIEIICE	1
21N31A05R5	History of Forensia Calona	
21N31A05R3	History of Forensic Scienc	2
22N35A0525	Principle Laws of Forensic	
22N35A0519	Frinciple Laws of Forensic	3
21N31A05L3	Computer Ferencies	
21N31A05M5	Computer Forensics	4
21N31A05L1	Digital Forensics	5

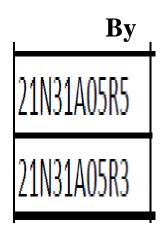


## PRESENTATION FORENSICS SCIENCE DATED: 29-08-2023



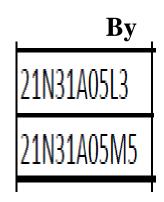


## PRESENTATION HISTORY OF FORENSICS SCIENCE DATED: 29-08-2023



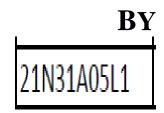


## **PRESENTATION COMPUTER FORENSICS DATED: 29-08-2023**





## **PRESENTATION DIGITAL FORENSICS DATED: 29-08-2023**



## Name of the Activity: Presentation

#### Faculty Name: Ms. Ramanamma

Class/ Semester: III/I CSE-C

#### Academic Year: 2023-24

#### **Subject Name: Digital Forensics**

**Topics:** Digital Forensics and their Applications, The dark side of the web (cybercrimes), Digital Forensics, Introduction to Digital Forensics, Laws and principle of forensics science, Types of Computer Crimes, Challenges faced by digital forensics

A team of 3-4 students are invited to assemble after being provided concepts. On the day of the exercise, an idea is allocated to each team, and they must develop a PPT and present it in class. Presentations provide possibilities for group skill and knowledge development and are a useful tool for peer learning. Prior to class, topics are briefly discussed. 3-4 students make up each team.

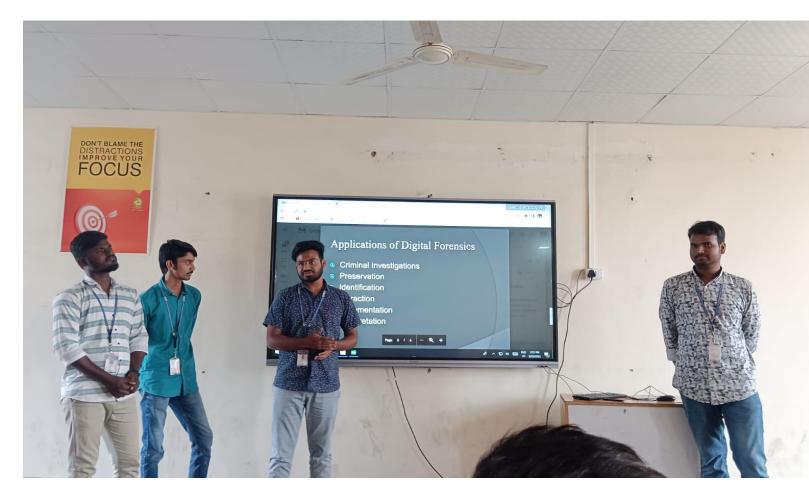
Presentation period: 20 minutes

#### **Objectives:**

- 1. To assess the oratory skills of the students.
- 2. To make the students confident.
- 3. To understand the grasping level of students regarding concepts learnt.

#### LIST OF PARTICIPANTS

GROUP MEMBERS	TOPIC
Manoj -21N31A05J9 Tharun - 21N31A05J7 Naveen - 21N31A05J5 Srirem - 21N31A05K8	Digital Forensics and their Applications
Dheeraj Kumar -5G2 Abhijith -5E0 Saketh Ram -5F4	The dark side of the web (cybercrimes)
Srinivas - 5D4 Anil - 5E1 <u>Vivek</u> - 5E5 <u>Venu</u> - 5E4	Digital Forensics
Riyez - 5J3 Mukesh - 5F2	Introduction to Digital Forensics
K Indu 516 P Naxxa 5K0 P Ashwini - 5G7	Laws and principle of forensics science
Pragna- 5G6 Varshitha- 5G9 Anjali - 5F5	Types of Computer Crimes
Dershini - 5H1 Nithxa - 5G5	Types of Computer Crime
Javanth 5D5 Rabul - 5D8 Sriram - 5G3	Types of Computer Crimes
5D6 - M. Varunreddy 5G4 - N. V KRITHIK 5J4 - P. MAHESH 5F3 - M. RATNA TEJ	Challenges faced by DF
Srivani - 5E9 Rakshitha - 5F8 Bhavitha - 5K2 Shirisha - 5K5	Computer forensics



#### PRESENTATION DIGITAL FORENSICS AND THEIR APPLICATIONS DATED

DATED: 29-08-2023

BY

Manoj -21N31A05J9 Tharun - 21N31A05J7 Naveen - 21N31A05J5 Sriram - 21N31A05K8



#### **PRESENTATION TYPES OF COMPUTER CRIMES**

#### DATED: 29-08-2023

BY

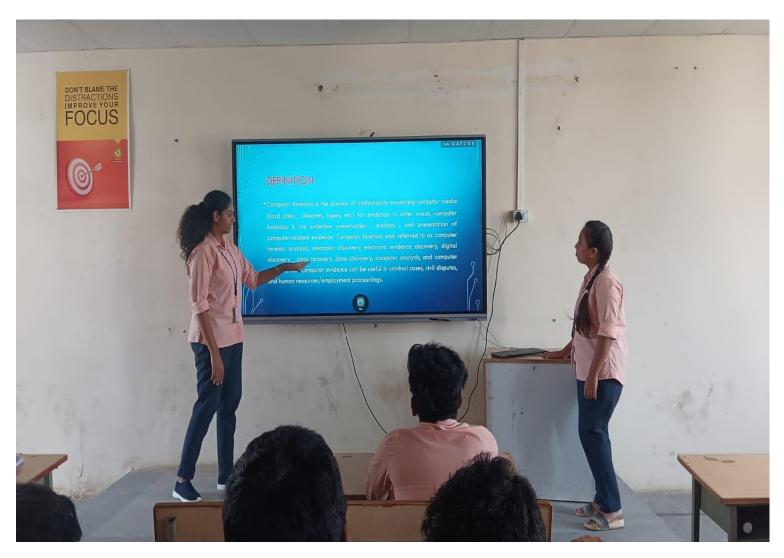
Jayanth - 5D5 Rahul - 5D8 Sriram - 5G3



#### PRESENTATION LAWS AND PRINCIPLE OF FORENSICS SCIENCE DATED: 29-08-2023

BY

K Indu - 516 P Navya - 5K0 P Ashwini - 5G7



#### PRESENTATION TYPES OF COMPUTER CRIME DATED: 29-08-2023

BY

Darshini - 5H1 Nithya - 5G5



#### PRESENTATION

THE DARK SIDE OF THE WEB

DATED: 29-08-2023

# BY

Dheeraj Kumar -5G2 Abhijith -5E0 Saketh Ram -5F4

# Name of the Activity: Presentation

Faculty Name: Ms. Archana

Class/ Semester: III/I CSE-B

Academic Year: 2023-24

#### **Subject Name: Digital Forensics**

# Topics: Iam not an employ , I'm an attacker, Boscon marathon Bonging, Hosping obsence profile, case study on BTK killer, case study on computer forensics.

A team of 3-4 students are invited to assemble after being provided concepts. On the day of the exercise, an idea is allocated to each team, and they must develop a PPT and present it in class. Presentations provide possibilities for group skill and knowledge development and are a useful tool for peer learning. Prior to class, topics are briefly discussed. 3-4 students make up each team.

Presentation period: 20 minutes

- 1. To assess the oratory skills of the students.
- 2. To make the students confident.
- 3. To understand the grasping level of students regarding concepts learnt.

### LIST OF PARTICIPANTS

ROLLNO	NAME	TOPIC	TEAM
21N31A0579	G Sai Charan		
21N31A0583	H Prijwal Reddy	lam nat an amplayon. I'm an attackar	<b>D</b> O
21N31A0589	Harshith	lam not an employee, I'm an attacker	B9
ee			
21N31A0572	G pavani		
21N31A0588	J anjali	Posson marathan Pomhing	P16
21N31A0571	G Supriya	Boscon marathon Bombing	B16
21N31A05D1	M keerthana		
21N31A05C6	L Priyanka		B1
21N31A0567	G Gowthami		DI
		Hosting obsence profile	
21N31A0575	G chandana		
21N31A0570	G Lakshmi Sravani		60
21N31A05C2	K sharanya		B2
		case study on BTK killer	
21N31A05B8	K Sai shreeya		
21N31A0598	K Hemima	casa studu an computar foransias	P17
21N31A0581	Yaswanth	case study on computer forensics	B17



## PRESENTATION BOSCON MARATHON BONGING DATED: 29-08-2023

	BY
21N31A0572	G pavani
21N31A0588	J anjali
21N31A0571	G Supriya



PRESENTATION IAM NOT AN EMPLOY, I'M AN ATTACKER DATED: 29-08-2023

	BY
21N31A0579	G Sai Charan
21N31A0583	H Prijwal Reddy
21N31A0589	Harshith



#### PRESENTATION

CASE STUDY ON BTK KILLER

DATED: 29-08-2023

BY

21N31A0575	G chandana
21N31A0570	G Lakshmi Sravani
21N31A05C2	K sharanya



#### PRESENTATION CASE STUDY ON COMPUTER FORENSICS DATED: 29-08-2023

BY

21N31A05B8	K Sai shreeya
21N31A0598	K Hemima
21N31A0581	Yaswanth

## Name of the Activity: Presentation

Faculty Name: Ms. Agnisha

Class/ Semester: III/I CSE-A

Academic Year: 2023-24

#### **Subject Name: Digital Forensics**

#### **Topics: Computer Crime, Wireless Forensics, Digital Forensics,**

A team of 3-4 students are invited to assemble after being provided concepts. On the day of the exercise, an idea is allocated to each team, and they must develop a PPT and present it in class. Presentations provide possibilities for group skill and knowledge development and are a useful tool for peer learning. Prior to class, topics are briefly discussed. 3-4 students make up each team.

Presentation period: 20 minutes

- 1. To assess the oratory skills of the students.
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- 3. To understand the grasping level of students regarding concepts learnt.

## LIST OF PARTICIPANTS

Batch 1	B.Shivakumar-518
	Rusheswar-516
Batch 2	Akshitha-530
	Manaswini -557
Batch 3	Soumya-502
	Sravani-505
	Pravalika -506
	Babysree-523
Batch 4	Bindhu-526
	Mahendra-533
	Gayathri -546



## PRESENTATION COMPUTER CRIME DATED: 13-09-2023

BY

B.Shivakumar-518 Rusheswar-516



# PRESENTATION WIRELESS FORENSICS DATED: 13-09-2023

Soumya-502 Sravani-505 Pravalika -506 Babysree-523



#### PRESENTATION TYPES OF COMPUTER CRIMES DATED: 13-09-2023

BY

Akshitha-530 Manaswini -557



## PRESENTATION DIGITAL FORENSICS DATED: 13-09-2023

BY

Bindhu-526 Mahendra-533 Gayathri -546

# SCRIPTING LANGUAGES

# Name of the Activity: Quiz

#### Faculty Name: Ms. D Sai Eswari

Class/ Semester: III/I CSE-D

Academic Year: 2023-24

**Subject Name: Scripting Languages** 

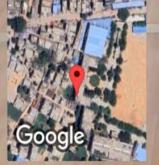
Date: 14/09/2023

The unit 1 syllabus is to be studied in-depth by the students. On the activity day they are also requested to come prepared with the assigned topics to take part in an in-person quiz .

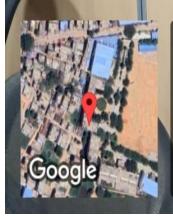
Quiz duration: 20 minutes

- 1. A quiz is a helpful source of understanding the subject.
- 2. The pupils' knowledge of each topic will increase as a result of this practice.
- 3. It is also helpful to find out how well students are understanding newly learned topics





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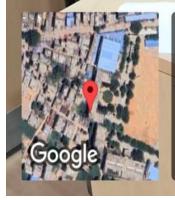
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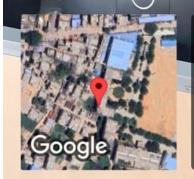
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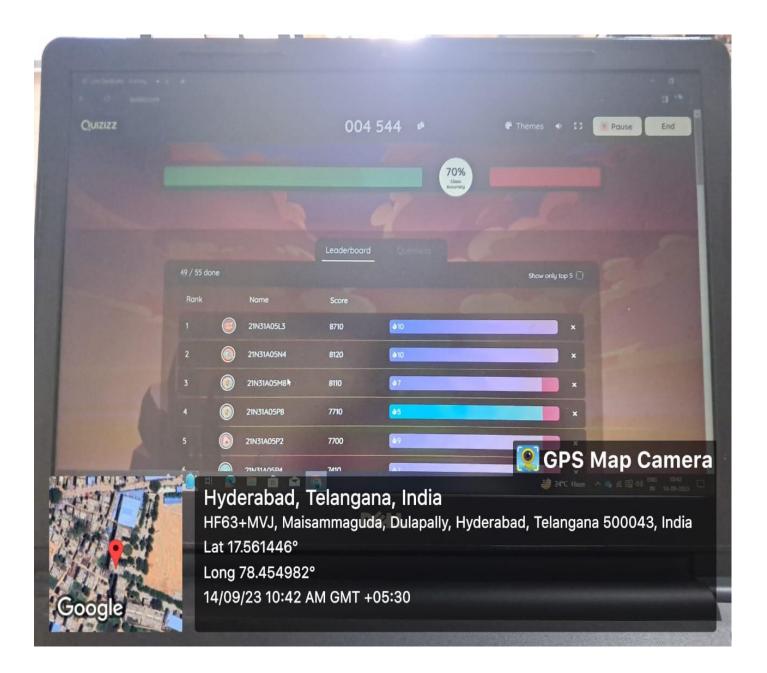
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14/09/23 10:40 AM GMT +05:30

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# Name of the Activity: Quiz

## Faculty Name: Ms. D Sai Eswari

Class/ Semester: III/I CSE-C

Academic Year: 2023-24

**Subject Name: Scripting Languages** 

Date: 14/09/2023

The unit 1 syllabus is to be studied in-depth by the students. On the activity day they are also requested to come prepared with the assigned topics to take part in an in-person quiz .

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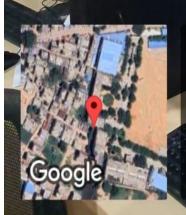
Hyderabad, Telangana, India HF63+FRG, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India Lat 17.561355° Long 78.454939° 14/09/23 12:48 PM GMT +05:30

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Long 78.454958° 14/09/23 12:48 PM GMT +05:30

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		0	211131405M3	7410	63	×
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# Name of the Activity: Presentation

#### Faculty Name: Mr. M.Sandeep

Class/ Semester: III/I CSE-C

Academic Year: 2023-24

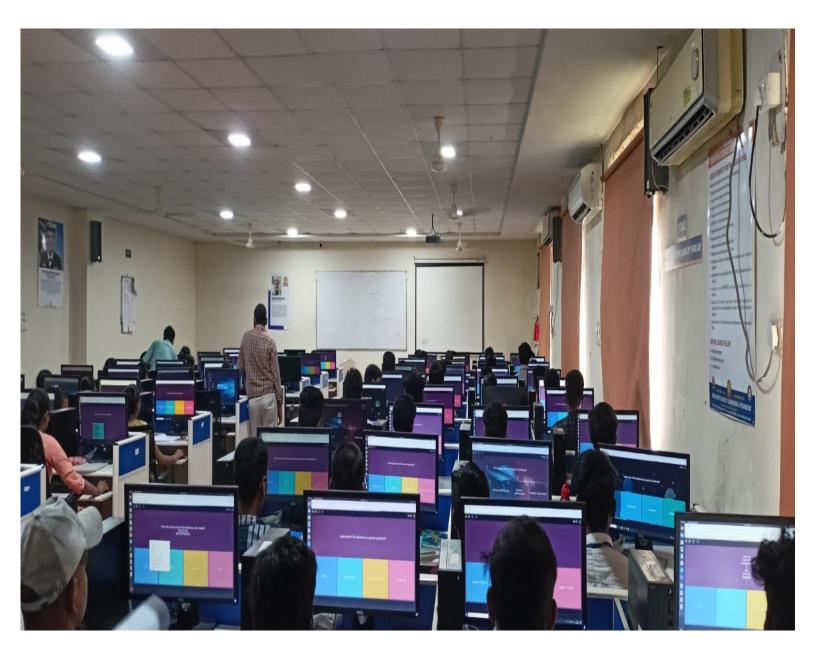
#### **Subject Name: Scripting Languages**

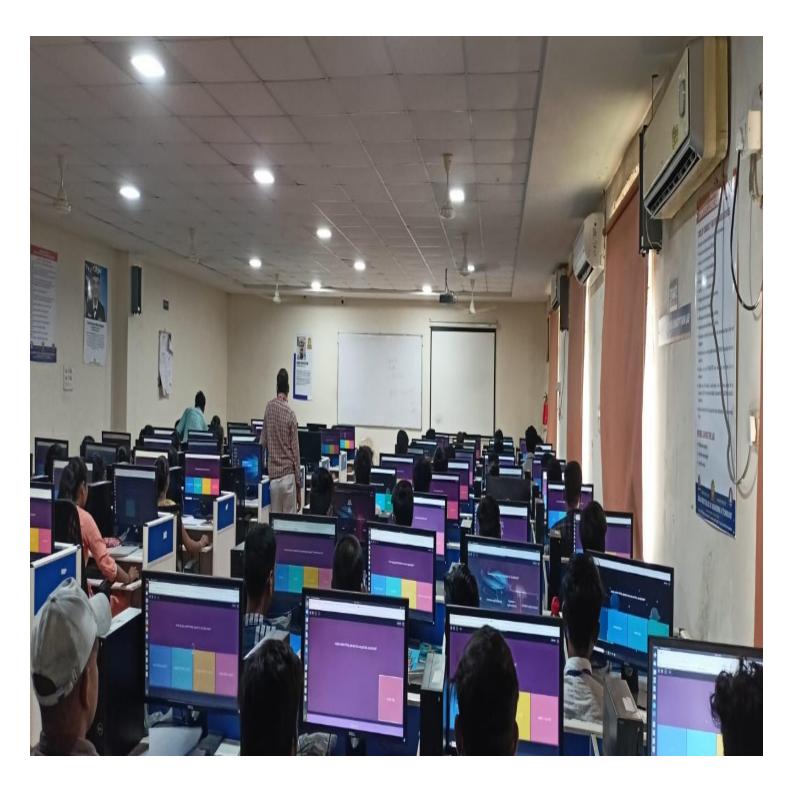
Date: 14/09/2023

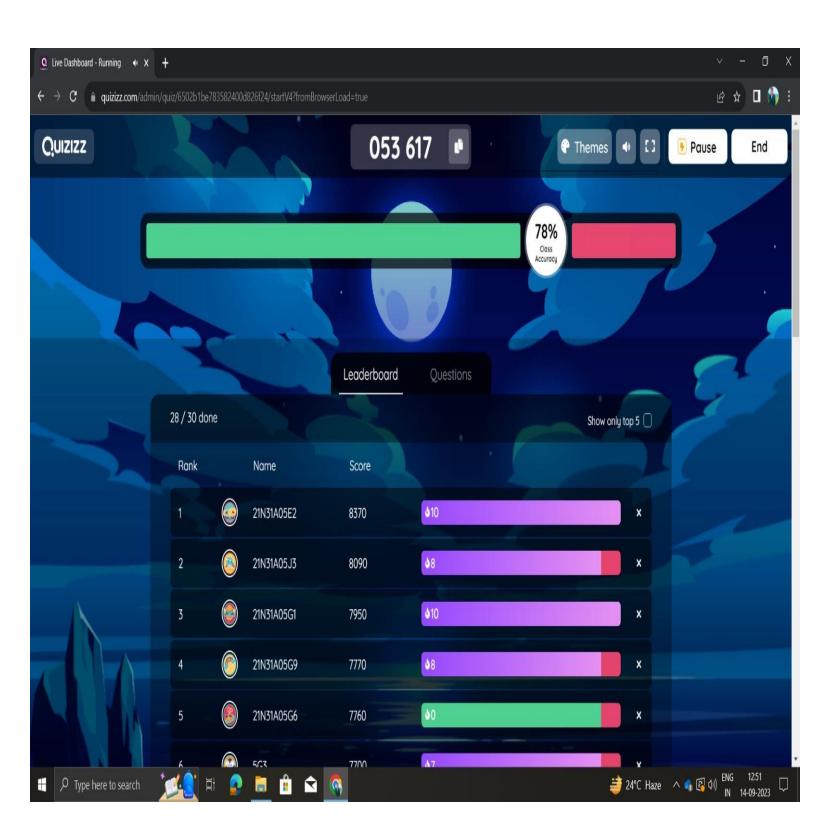
The unit 1 syllabus is to be studied in-depth by the students. On the activity day they are also requested to come prepared with the assigned topics to take part in an in-person quiz .

Quiz duration: 20 minutes

- 1. A quiz is a helpful source of understanding the subject.
- 2. The pupils' knowledge of each topic will increase as a result of this practice.
- 3. It is also helpful to find out how well students are understanding newly learned topics







# Name of the Activity: Presentation

## Faculty Name: Mr. Rahamat Basha

Class/ Semester: III/I CSE-A

Academic Year: 2023-24

**Subject Name: Scripting Languages** 

Date: 14/09/2023

The unit 1 syllabus is to be studied in-depth by the students. On the activity day they are also requested to come prepared with the assigned topics to take part in an in-person quiz .

Quiz duration: 20 minutes

- 1. A quiz is a helpful source of understanding the subject.
- 2. The pupils' knowledge of each topic will increase as a result of this practice.
- 3. It is also helpful to find out how well students are understanding newly learned topics



Hyderabad, Telangana, India HF63+MVJ, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India Lat 17.561632° Long 78.454961° 14/09/23 09:52 AM GMT +05:30

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