

(Affiliated to ANNA University, Chennai and Approved by AICTE, New Delhi)

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KGiSL Campus, 365, Thudiyalur Road, Saravanampatti, Coimbatore – 641035

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Implementation details of Innovative Teaching Practices

Year / Semester / Section: III/VI/B	Degree & Branch: B.E CSE		
Course Code: CS8651	Course Name: Cryptography and Network Security		
Unit: I	Topic: Classical encryption techniques: substitution techniques, transposition techniques, steganography		
Activity Chosen: Animation			

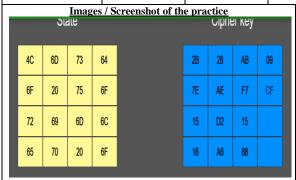
Details of the Implementation:

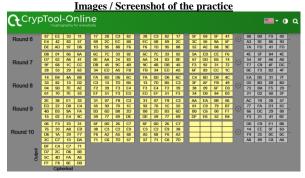
Faculty explains the specific concepts/topic in the classroom/laboratory which includes the following

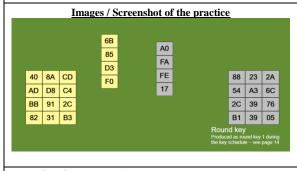
- 1. Define the purpose or Problem: Classical encryption techniques To understand the basic encryption techniques like substitution and transposition.
- 2. Animation Video URL: https://www.cryptool.org/en/cto/aes-animation
- 3. Students will be able to understand better, on the concepts taught. From the animation video.

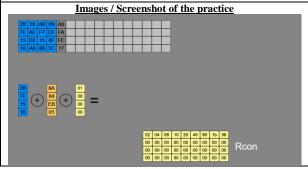
Faculty records their proceedings and measure students' progress before and after implementation

Relevance	3	2	2		
PO	PO1	PO2	PO3		









Benefit of the practice:

Animation-based learning helps the students to understand how transposition and substitution techniques are used in classical encryption for converting a real text into a ciphertext .The usage of this animation helps the students to understand the subject better.



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Implementation details of Innovative Teaching Practices

Year / Semester / Section: II/III/	Degree & Branch: B.E CSE
Course Code: CS8392	Course Name: Object Oriented Programming
Unit: IV	Topic: Differences between multithreading and
Activity Chosen: Animation	multitasking

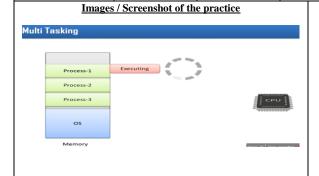
Details of the Implementation:

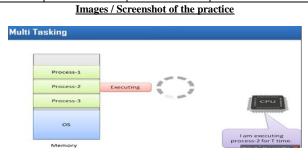
Faculty explains the specific concepts/topic in the classroom/laboratory which includes the following

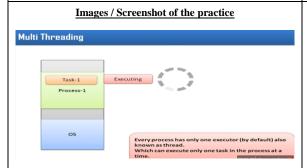
- 1. **Define the purpose or Problem:** Differences between multithreading and multitasking To understand how multithreading and multitasking works for a given application.
- 2. **Animation Video URL:** https://www.youtube.com/watch?v=avFZb -PBSE
- 3. Students will understand the topic from the given animation video.

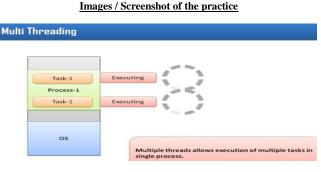
Faculty records their proceedings and measure students' progress before and after implementation

PO	PO1	PO2	PO3		
Relevance	3	2	2		









Benefit of the practice: Animation-based learning helps the students to understand the concept of multi-tasking and multi-threading to perform a given operation. Students can relate this concept to any given application. A better understanding of the subject will help them in their career.

CP 4 PER 14 N.E. 1



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Implementation details of Innovative Teaching Practices

implementation details of innovative reaching reactives			
Year / Semester / Section: I/I	Degree & Branch: B.E CSE		
Course Code:GE3171	Course Name: Problem Solving and Python Programming Lab		
Unit: -	Topic: Introduction to if, if-else and if-elif		
Activity Chosen: Animation	Conditional Statements		

Details of the Implementation:

- 1. Define the purpose or Problem: Usage of if, if-else and if-elif-else Conditional Statements for the given problem statement.
- 2. Animation Video URL: https://www.youtube.com/watch?v=5KS70C-x5nc
- 3. Students will understand the topic from the given animation video.

PO	PO1	PO2	PO3	PO5	
Relevance	3	3	3	3	

Images / Screenshot of the practice

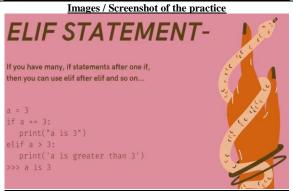
HOW TO WRITE-

- First, write if keyword.
- Specify your if Condition after that.
- Then you leave 4 space, or you press TAB.
- You are successfully inside IF statement.

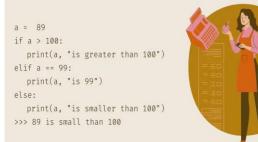
if (condition):
ACTION



Images / Screenshot of the practice ELSE STATEMENT • Written without (condition). • else means anything except if / elif. a = 99 if a > 100: print(a, "is greater than 100") else: print(a, "is smaller than 100 ") >>> 99 is smaller than 100



Images / Screenshot of the practice



Benefit of the practice:

Animation-based learning helps the students to understand how to use Conditional Statements given problem statements. Students can relate this concept to any selection based concept. A better understanding of the subject will help them in their career.



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Implementation details of Innovative Teaching Practices

Year / Semester / Section: III/VI/B	Degree & Branch: B.E CSE
Course Code: CS8651	Course Name: Internet Programming
Unit: I Activity Chosen: Animation	Topic: Client Server Model

Details of the Implementation:

Faculty explains the specific concepts/topic in the classroom/laboratory which includes the following

- 1. Define the purpose or Problem: Client Server Model To understand how client and server communicated in web based application.
- 2. Animation Video URL: https://www.youtube.com/watch?v=B8azMzrluHE
- 3. Students will understand the topic from the given animation video.

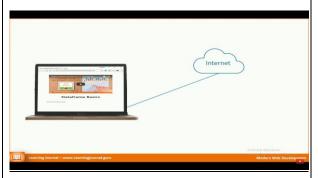
Faculty records their proceedings and measure students' progress before and after implementation

PO	PO1	PO2	PO3		
Relevance	3	2	2		

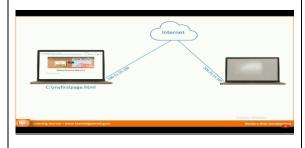
Images / Screenshot of the practice



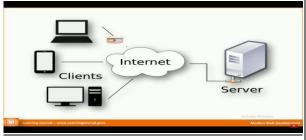
Images / Screenshot of the practice



Images / Screenshot of the practice



Images / Screenshot of the practice



Benefit of the practice: Animation-based learning helps the students to understand how client and server communicate to perform a given operation. Students can relate this concept to any web based application. A better understanding of the subject will help them in their career.