



Jansons Institute of Technology

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Coimbatore, Tamil Nadu – 641659
www.jit.ac.in

Event Report

Title : Exploration on the role of Cryptography in Network Security

Date : 22-11-2022 **Time** : 02:30 PM – 03:30 PM

Venue : Hybrid, Seminar Hall (**GMeet**: <https://meet.google.com/qps-vetn-dwy>)

Organised by : Department of Computer Science and Engineering

In association with : Nil

Student Activity : Yes / No

Speaker Details

Name : Dr.P.Priya Ponnusamy,

Designation : Assistant Professor (Selection Grade)
Department of Computer Science and Engineering

Affiliation : PSG Institute of Technology and Applied Research,
Coimbatore



Topic : IPSec, IPSec Modes, Combination of Security Associations, IPSec VPN, Authentication Header

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https://jit.ac.in/files/dept/cse/events/2022-2023/22-11-22_Guest-Lecture_Exploration-on-the-role-of-Cryptography-in-Network-Security/Report-Guest%20Lecture_Exploration%20on%20the%20role%20of%20Cryptography%20in%20Network%20Security%20on%2022-11-2022.pdf



<https://www.facebook.com/photo/?fbid=583962363535713&set=a.522181053047178>



<https://www.instagram.com/p/CLNXesQrnNn/>



https://twitter.com/JIT_Off/status/1594541681449148423/photo/1

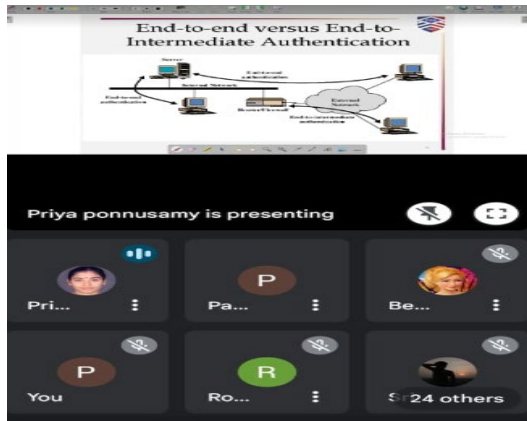
Event Objective

- To understand basics of Cryptography and Network Security.
- To be able to secure a message over insecure channel by various means.
- To learn about how to maintain the Confidentiality, Integrity and Availability of a data.
- To understand various protocols for network security to protect against the threats in the networks.
- To design network application security schemes, such as PGP, S/ MIME, IPSec, SSL/TLS

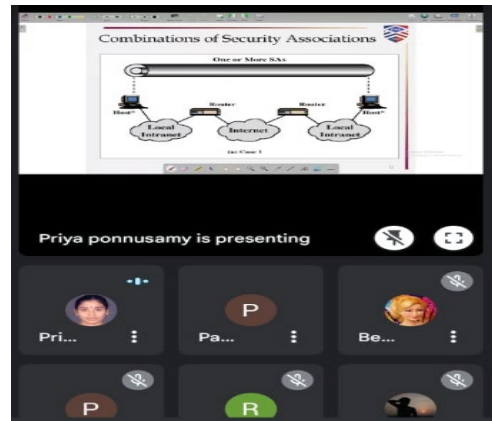
Event Summary

It focuses on the fundamentals of security that are used in protecting both the information present in computer storage as well as information passing over any computer networks. It includes attacks, security mechanisms, and secret-key and public-key cryptography. The authentication protocols and key management techniques for providing security in Email, IP and web, Firewalls and virtual private networks are learned.

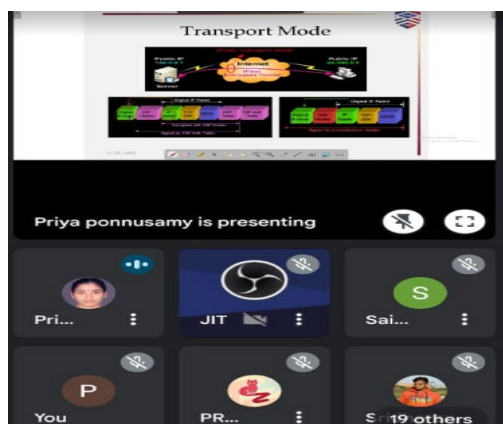
Event Photographs



Dr P Priya spoken about End-to-end versus End-to-Intermediate Authentication



Dr P Priya presented about Combinations of Security Associations



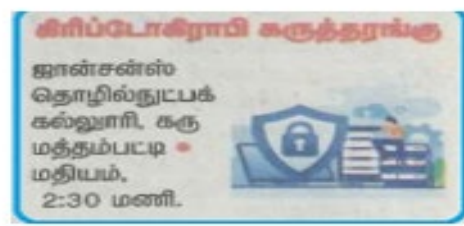
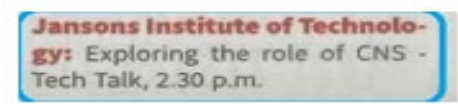
Dr P Priya deliberated about Transport Mode



Dr P Priya discussed about IPSec Basics



Dr P Priya conferred about how does IPSec Work

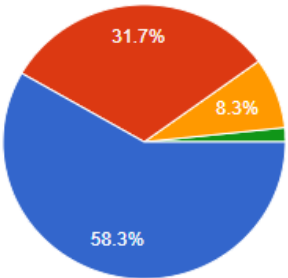
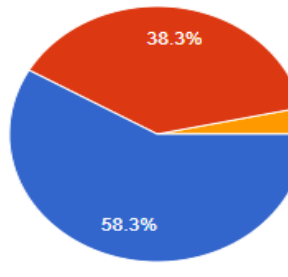
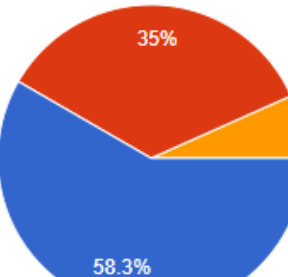
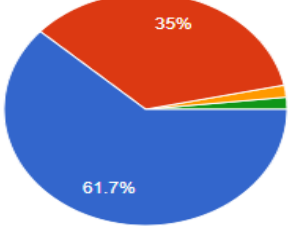


Add paper clipping (preferably English) about the event)

Event Outcomes

- Able to understand basic cryptographic algorithms, message and web authentication and security issues.
- Ability to identify information system requirements for both of them such as client and server.
- Ability to understand the current legal issues towards information security.

Event Feedback

<p>How would you rate the event in terms of preparation, flow, and content?</p>	 <p> ● Excellent ● Very Good ● Good ● Fair </p>
<p>The content and activities of the event has increased my knowledge.</p>	 <p> ● Strong Agree ● Agree ● Neutral ● Disagree </p>
<p>How would you rate the speaker in terms of knowledge and presentation?</p>	 <p> ● Excellent ● Very Good ● Good ● Fair </p>
<p>Overall experience of the event.</p>	 <p> ● Very Satisfied ● Satisfied ● Neutral ● Dissatisfied </p>
<p>Suggestion for Improvements (If any)</p>	<p>Nil</p>

No. of Participants / Benefices

Total (Participants / Benefices)	Students	Faculty	Students (Outside institution)	Faculty (Outside institution)
64	62	2	-	-

Date of report submission: 22-11-2022

Student Coordinator
(Sandhiya A)

Faculty Coordinator
(Dr A Velayudham,
Ms M Pavithra)

Head of Department
(Dr.A.Velayudham)

Principal