

SRI VENKATESWARA COLLEGE OF ENGINEERING
ALUMNI ASSOCIATION OF ELECTRONICS AND COMMUNICATION
ENGINEERING

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INSTITUTION'S
INNOVATION
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SVCE
ALUMNI ASSOCIATION


**DEPARTMENT OF ELECTRONICS
AND COMMUNICATION
ENGINEERING**

ALUMNI ASSOCIATION
PRESENTS

**Webinar on "Cybersecurity
trends and attacks"**




Conducted By
Mr. Gautam Mannar Mannan
ECE-Alumni Batch:2019
Product Security Engineer at Eaton India



Date: 11/05/2022
Time: 6:30-7:30 PM

Scan to join!!

COORDINATORS:
Ms.D.Menaka, Assistant Professor, ECE
Ms.M.Vidya, Assistant Professor, ECE

 | @SVCE Alumni Network

The Sixth event of ECE Alumni association for the academic year 2021-22 was held via google meet platform on 11th May 2022. A webinar on '**Cybersecurity trends and attacks**' was organized. The coordinators, office bearers and all other gatherers were honored by the presence of the chief guest, Mr. Gautam Mannar Mannan (An alumni of batch 2019, SVCE and Product Security Engineer at Eaton, India).

Gautam Mannar Mannan is presenting

Cybersecurity Terminologies

- Vulnerability
- Exploit
- Threat actor
- Risk
- Hack Value
- Malware

6:41 PM | Cybersecurity trends and attacks

Participants: MENAKA D ECE, NAVEEN BALAJI J EC, KENWIN PATRICK A EC, THARANI BALAN S K EC, 114 SAKTHI MAHESWARI M EC, 131 AISWARYA SRINIVASAN EC, 42 others, You

Mr. Kenwin Patrick.A , Secretary (ECE Alumni association), SVCE hosted the event and welcomed the gathering. This was followed by a welcome address given by Mr. Tharani Balan, Treasurer (ECE Alumni association). Followed by this, a brief introduction to the chief guest was given by Ms. Srinivasan Aiswarya, Executive member(ECE Alumni association).

Speaker's Profile:

Mr. Gautham Mannar Mannan did his BE in SVCE 2015-19. With over 3 years of experience in the cybersecurity field, he has specialized in Vulnerability Assessment and penetration testing and security information and event management. He is also a certified ethical hacker. He previously worked as a security analyst with Tata Communications Ltd. and is presently working as a product security engineer at Eaton India.

Mr. Gautham Mannar Mannan started with an introduction to the cyber security model where he explained about the basics of cybersecurity and why is it an necessary to be equipped in this field. He gave a note on the various terminologies that are used in cyber security.

Gautam Mannar Mannan is presenting

Cybersecurity Model

- confidentiality**: Protecting information from unauthorized access and disclosure
- integrity**: Protecting information from unauthorized modification
- availability**: Preventing disruption in how information is accessed

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6:42 PM | Cybersecurity trends and attacks

Participants: MENAKA D ECE, NAVEEN BALAJI J EC, KENWIN PATRICK A EC, THARANI BALAN S K EC, 114 SAKTHI MAHESWARI M EC, 131 AISWARYA SRINIVASAN EC, 43 others, You.

Cybersecurity

Blockchain Security

- Threat Intelligence
- DLP (Data Leak/Loss Prevention)
- Antivirus / EDR Management
- SIEM (Security Incident & Event Monitoring)
- (SOC) Security Operations Center
- (WAF) Web Application Firewall
- Incident Handling & Response
- Firewall / Network / VPN / Proxy Management

Red Team

- Vulnerability Assessment
- Source Code Review
- Penetration Testing
 - Infrastructure Pentest (network, IoT, User Machines, Active Directory...)
 - Web Application Security (Apps | Web | API)
 - Mobile Pentest
 - Android Pentest
 - iOS Pentest
- Security Research

Cloud Security

- Cloud Infra (AWS | Azure | GCP...)
- Docker & Container Security
- DevSecOps

GRC (Governance Risk & Compliance)

the departments can be clubbed together or be separate like PT team also doing cloud PT, & VAPT .. or Code review.. There is no hard line difference, teams can do more than one function.

Identity & Access Management

Organization Structures decide if SOC/ IIR / SIEM /WAF..... these act standalone department or handled by same team

Blue Team

- Malware Analysis
- Digital Forensics
- Threat Hunting
- Reverse Engineering
- Email Security

6:44 PM | Cybersecurity trends and attacks

Participants: MENAKA D ECE, NAVEEN BALAJI J EC, KENWIN PATRICK A EC, THARANI BALAN S K EC, 114 SAKTHI MAHESWARI M EC, 131 AISWARYA SRINIVASAN EC, 45 others, You.

He then went on to explain about the various opportunities available in this field for freshers. He elaborated his experience on various teams and their specific roles. This gave an idea to the students who wanted to pursue

their career in the field of cyber security . Students joined in with questions on the companies they can start their career in these teams.

Gautam Mannar Mannan is presenting

Common Types Attacks

- Malware**
 - Ransomware
 - Trojans
 - Worms
 - Virus, etc.
- Social Engineering**
 - Phishing
 - Tail Gating
 - Water holing
- Man-in-the-middle**
 - Email Hijacking
 - Eavesdropping
 - Session Hijacking
- Denial-of-service**
 - DDoS
 - DoS and DDoS attack
- Zero-day exploit**
 - Zero-day exploit
- Injection**
 - SQL Injection
 - Cross-Site Scripting

6:54 PM | Cybersecurity trends and attacks

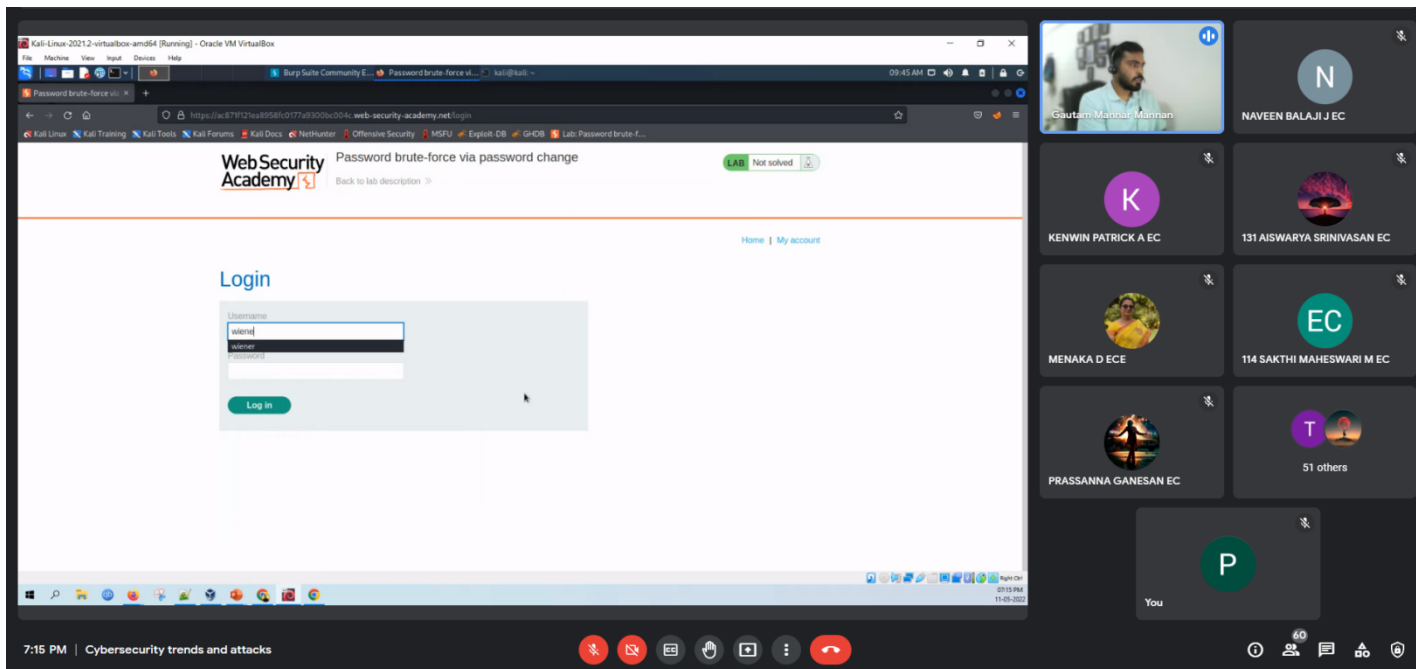
Gautam Mannar Mannan is presenting

Security Testing Tools

- Port Scanning**
 - NMAP
 - Netcat
 - Traceroute
- Packet Capture**
 - Wireshark
 - Tcpdump
- Vulnerability Scanners**
 - Nessus
 - ZAP
 - Burp
- Password Cracker**
 - Aircrack-ng
 - John Ripper
- Exploitation**
 - SQLmap
 - Metasploit

6:58 PM | Cybersecurity trends and attacks

He then gave an overview of the different types of attacks and the different tools used for testing vulnerabilities. He gave an idea on the tools which can be used by amateur enthusiasts to the pros.



He then gave an demo on how an hacker can get into a system and how to test for this vulnerability using Kali Linux tools.



He then gave the students a roadmap on how to enter the field of cybersecurity. Later a Q&A session was held where students poured in their

doubts regarding this subject which were cleared. Finally, the session was concluded with a Vote of Thanks by Ms. Pooja, Executive member, ECE, SVCE.

Participant Details:

Total Number of Participants: 61

There was an active and an enthusiastic participation of students from the ECE department of the college.


Attendance report:

Name	06:55:36 PM	percentage
PRAVIN ECE	Present	100
100 PRHISHI S EC	Present	100
101 PRITHIVI RAJ V S EC	Present	100
105 RAKSHANA S	Present	100
106 RASWANTH U EC	Present	100
114 SAKTHI MAHESWARI M EC	Present	100
117 SANJAY LOKESH A M EC	Present	100
118 SANMUGAM J EC	Present	100
126 SNEHALATHA EC	Present	100
137 R SUPRAJA EC	Present	100
AADHITHYA NARAYANAN B ECE	Present	100
ANGELIN SHEJU M	Present	100
Arun Janarathanan	Present	100
ARUNA B ECE	Present	100
DHANSHREPRIYA P C ECE	Present	100
DHANUSHRI J K ECE	Present	100
DHARANI A ECE	Present	100
GAYATHRI B EC	Present	100
GOGULAPRIYA A ECE	Present	100
HARIPRIYA J ECE	Present	100
JAGADISH K ECE	Present	100
JEEVITHA K ECE	Present	100
KARTHICK SELVAM A	Present	100
KEERTHANA D EC	Present	100
KENWIN PATRICK A EC	Present	100
Kishore R ECE	Present	100
KOUSALYA R ECE	Present	100
Krithika shree D EC	Present	100
LAKSHMI NARAYANAN K S ECE	Present	100
MAANASA R EC	Present	100

MAGESH S ECE	Present	100
Mithun Nitheesh Rogan EC	Present	100
MUTHU KUMAR S EC	Present	100
NAREESH U D EC	Present	100
NITHISH KUMAR B ECE	Present	100
NITHISH P EC	Present	100
PARVESH R ECE	Present	100
PRAVEEN A S ECE	Present	100
RAHUL A ECE	Present	100
RAM SOLAIAPPAN A ECE	Present	100
RISHI A ECE	Present	100
SAAMBAVI PU ECE	Present	100
SANTHOSH B ECE	Present	100
SATHISH A ECE	Present	100

SHAKTHI K ECE	Present	100
SHIV PRAKASH A V ECE	Present	100
SHREE SWETHA A ECE	Present	100
SNEKAA R ECE	Present	100
SRIDHARAN M ECE	Present	100
SRIVARSHINI S ECE	Present	100
SRIVIDHYA M ECE	Present	100
SUBHASHINI K S CSE	Present	100
SUWETHA ECE	Present	100
TEJESHWAR T S U ECE	Present	100
THARANI BALAN S K EC	Present	100
THARUN BALAJI G EEE	Present	100
THULASI SRINIVAS M ECE	Present	100
VARADARAJAN MK ECE	Present	100
VARSHA S	Present	100
VIDYA M ECE	Present	100
VIGNESH KUMAR A ECE	Present	100
VIVEKANAND P ECE	Present	100

D. Me

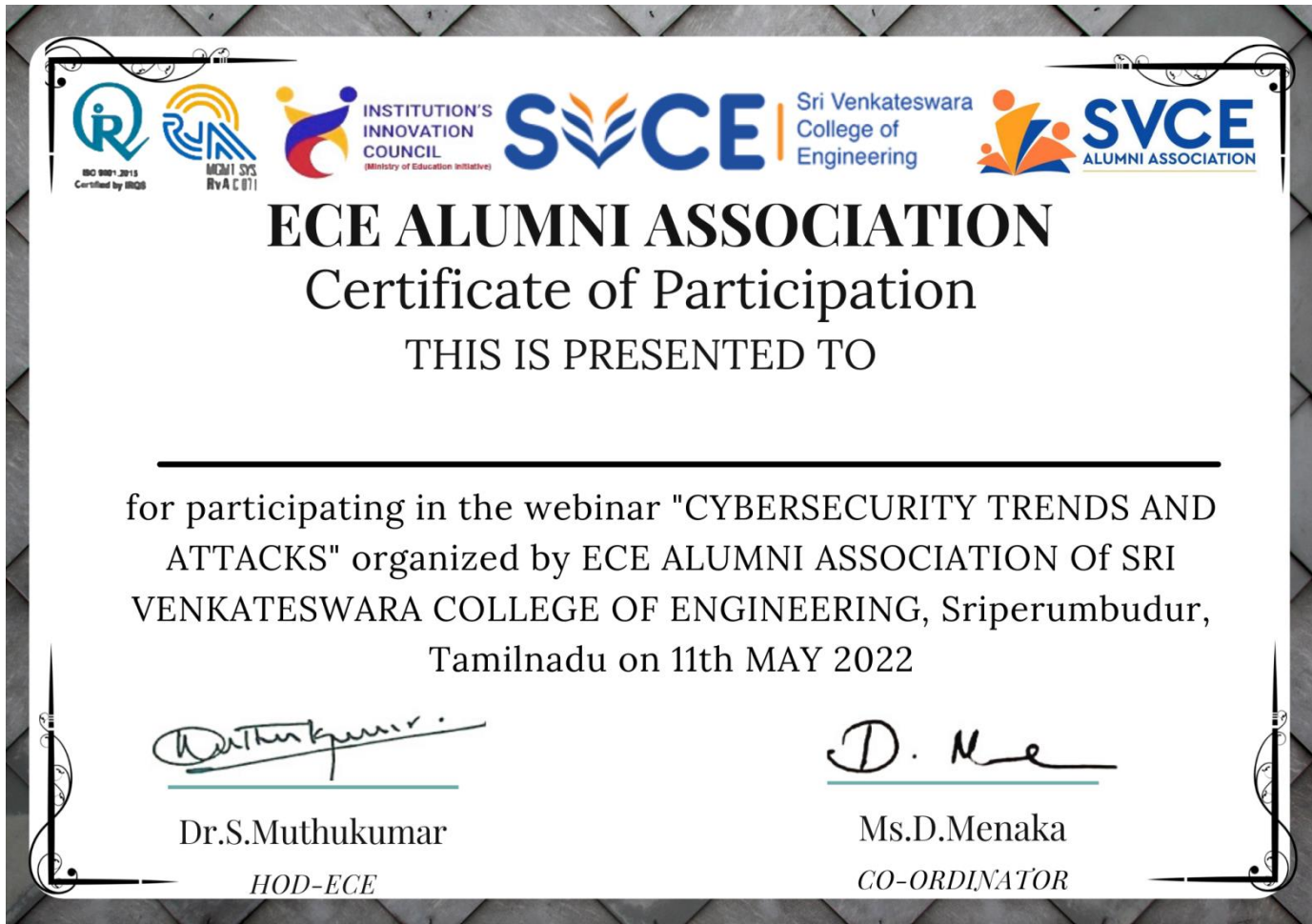

HoD, ECE Department-

Feedback:

Email Address	Name	Roll number	How useful was the guest lecture?	Relevancy of the topic	Overall feedback about the event	Any suggestions to improvise our upcoming events?
2019EC0681@svce.ac.in	Rakesh Velavaluri	190701086	5	Excellent	Excellent	Nothing
2020ec0260@svce.ac.in	PRHISHI S	2127200701100	5	Excellent	Excellent	good
2020ec0173@svce.ac.in	Keerthana D	2127200701060	5	Very Good	Excellent	Nil
2020ec0697@svce.ac.in	Sakthi Maheswari M	2127200701114	5	Excellent	Excellent	nil
2020ec0661@svce.ac.in	Srivarshni S	200701133	5	Excellent	Excellent	-
2020ec0698@svce.ac.in	VISHNU PRIYA V T	200701148	5	Excellent	Excellent	nil
2019ec0837@svce.ac.in	Gokul R	190701301	4	Very Good	Very Good	Nil
2020ec0249@svce.ac.in	G. Madhumitha	200701070	5	Excellent	Excellent	No
2019ec0564@svce.ac.in	Raghu Yogesh	190701083	5	Excellent	Excellent	No suggestions
2020ec0039@svce.ac.in	Srivani M	2127200701132	5	Excellent	Excellent	NIL
2020ec0271@svce.ac.in	Sarveshwar V	200701121	4	Very Good	Very Good	Nothing
2020ec0855@svce.ac.in	KRITHIKA SHREE D	2127200701064	5	Excellent	Excellent	No
2019ec0510@svce.ac.in	Syed Fardeen Althaf S.K	190701116	4	Excellent	Very Good	None it was very informative
tamilselvanh361@gmail.com	TAMIL SELVAN H	180701135	4	Very Good	Very Good	-
2020ec0726@svce.ac.in	Shashidar G	122	5	Excellent	Very Good	.
2020ec0053@svce.ac.in	NAREESH U D	2127200701084	5	Excellent	Excellent	Expecting more events like this in future.
2019ec0803@svce.ac.in	KRISHNAVIGNESH R	190701305	5	Very Good	Very Good	I know new information for syber security
2020ec0213@svce.ac.in	SANJAY LOKESH A M	200701117	5	Excellent	Excellent	Nil
2020cs0491@svce.ac.in	RAHUL K	2127200501114	5	Excellent	Excellent	None . Awesome event
2020ec0075@svce.ac.in	KEERTHANA R	2127200701061	5	Very Good	Very Good	No
2020ec0709@svce.ac.in	Naveen Kumar.s	200701087	4	Fair	Excellent	Nice nothing to improve
leannjames0707@gmail.com	Leann Elizabeth James	200701067	4	Very Good	Very Good	Demo Session was good, could have been longer.
2020ec0642@svce.ac.in	ROJA M	200701108	5	Excellent	Excellent	
2020ec0256@svce.ac.in	MANSOOR BIN FASHILA M	200701074	5	Excellent	Excellent	No
2020ec0183@svce.ac.in	sakthiprasaad L	2127200701116	5	Excellent	Excellent	nil
2020ec0045@svce.ac.in	R.Mithun Nitheesh Rogan	200701077	5	Very Good	Very Good	N/A
2020ec0306@svce.ac.in	NARESH S	200701085	5	Excellent	Excellent	Nil
nk943273@gmail.com	NAVIN KUMAR K	200701088	5	Good	Very Good	BLNT

2020ec0040@svce.ac.in	Nirmal Kumar T K	200701089	5	Excellent	Excellent	Noo
2018ece0413@svce.ac.in	T. Thivya	180701138	5	Excellent	Very Good	Nil
2020ec0686@svce.ac.in	S MUTHU KUMAR	200701082	4	Very Good	Very Good	It can be a offline event
2020ec0031@svce.ac.in	JISHNUPRIYA M D	200701053	5	Excellent	Excellent	No
2020ec0684@svce.ac.in	R.JEEVANANDH	200701051	4	Very Good	Very Good	Nil
2020ec0326@svce.ac.in	MAHALAKSHMI.M	72	4	Very Good	Very Good	Nil
2019EC0822@svce.ac.in	J NAVEEN BALAJI	190701307	5	Excellent	Excellent	Nil
2020ec0437@svce.ac.in	Adithya N	2127200701008	5	Excellent	Excellent	Nil
2020ec0235@svce.ac.in	SUDARSHAN C	2127200701135	5	Excellent	Excellent	nil
2020ec0070@svce.ac.in	SAHANA BALASUBRAMANIAM	2127200701110	4	Very Good	Excellent	NIL
2020ec0067@svce.ac.in	C Naveen Kumar	200701086	4	Very Good	Very Good	no comments
2018ece0303@svce.ac.in	Shalini A	180701113	5	Very Good	Very Good	-
2020ec0712@svce.ac.in	RAKSHANA S	200701105	4	Very Good	Very Good	-
2020ec0675@svce.ac.in	Narain Muralidharan	2127200701083	5	Very Good	Very Good	More details about cyber security in depth
2020ec0861@svce.ac.in	SANTHOSH KUMAR P	200701311	4	Very Good	Very Good	Nil
2019ec0594@svce.ac.in	Prassanna G	190701080	3	Good	Good	More topics related to Crypto is expected
2020ec0898@svce.ac.in	Sindhuja G	2127200701312	4	Very Good	Excellent	No
2020ec0272@svce.ac.in	R Prasanna Kumar	200701096	5	Very Good	Excellent	Nil
2018ece0346@svce.ac.in	Subha Priya.A	180701128	5	Very Good	Excellent	nil
2020ec0748@svce.ac.in	Sri Rekha	2127200701179	3	Very Good	Very Good	The webinar was great.
2020ec0182@svce.ac.in	Lakshana	200701066	2	Fair	Fair	No
2020ec0662@svce.ac.in	MAANASA R	2127200701069	4	Very Good	Very Good	Nil
2020ec0243@svce.ac.in	Sowndhar R	200701127	5	Excellent	Excellent	Nil
dharinisiva03@gmail.com	Sivadharini S	200701124	5	Excellent	Excellent	Everything is good
2020ec0739@svce.ac.in	KARTHIKEYAN V	200701057	4	Very Good	Very Good	Everything was fine
2020ec0701@svce.ac.in	SAI SHAKTHI S	200701112	5	Excellent	Excellent	No
2020ec0066@svce.ac.in	Kalai selvi.M.R.	200701055	4	Very Good	Very Good	No
2020ec0660@svce.ac.in	Nivetha	200701091	5	Excellent	Excellent	Its was good
2020ec0331@svce.ac.in	KAVIARASU C	2127200701058	5	Excellent	Excellent	No suggestions
2020ec0928@svce.ac.in	Praveen P	200701309	5	Excellent	Excellent	Excellent
poojavaradu1@gmail.com	Pooja. V	200701092	5	Excellent	Excellent	NA
2020ec0733@svce.ac.in	Magesh S	2127200701071	5	Excellent	Excellent	-

Certificate:



for participating in the webinar "CYBERSECURITY TRENDS AND
ATTACKS" organized by ECE ALUMNI ASSOCIATION of SRI
VENKATESWARA COLLEGE OF ENGINEERING, Sriperumbudur,
Tamilnadu on 11th MAY 2022



Dr.S.Muthukumar
HOD-ECE



Ms.D.Menaka
CO-ORDINATOR

ALUMNI ASSOCIATION

(2021-2022)


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Pooja V (SECOND YEAR ECE B)
Srinivasan Aiswarya (SECOND YEAR ECE C)

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Mrs. M. VIDYA, AP, ECE


Head of the Department
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Sriperumbudur - 602 117, India

REPORT BY :

- Kenwin Patrick A - Secretary (THIRD YEAR ECE B)
Tharani Balan S K - Treasurer (THIRD YEAR ECE C)
Gayathri B - Joint Secretary (THIRD YEAR ECE A)