



**IIC - BVDUIHMCT,PUNE &
ENTREPRENEURSHIP DEVELOPMENT CELL
is Delighted to Announce**

**"Cyber Security Awareness for startups"
(A Prevention measures of Cyber Attacks)**

Under the Guidance of
Prof.Dr.L.S.Chirmulay

Principal

President - IIC'

for

All Students & Faculty members

Date:-05/01/2023

Time:11 am To 12 pm

Link for Event:Video call link:

<https://meet.google.com/igs-bchy-deu>



**Resource Person
Prof.Amar Chavan
Assistant Professor
BVDUIHMCT,Pune**

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MOE'S INNOVATION CELL
INSTITUTION'S INNOVATION COUNCIL

**INSTITUTE OF HOTEL MANAGEMENT AND CATERING
TECHNOLOGY**

CYBER SECURITY AWARENESS FOR STARTUPS

OVERVIEW

| | |
|---|--|
| Objective: | Benefit in terms of learning/Skill/Knowledge obtained: |
| What is Cyber Security Awareness and Why is it Important for startups & new ventures. | The participants were able to understand how to protect their Start ups from cyber threats |
| Academic Year: | Program driven by: |
| 2022-23 | Self-driven Activity |
| Month: | Program /Activity Name: |
| January | Cyber Security Awareness for startups |
| Program Type: | Other: |
| Level 1 - Expert Talk | null |
| Program Theme: | Other: |
| IPR & Technology Transfer | NA |
| Date & Duration (Days): | External Participants, If any: |
| 01/05/2023-01/05/2023-0 | 0 |
| Student Participants: | Faculty Participants: |


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Expenditure Amount, If any:

Remark:

null

ATTACHMENTS

Video: [:https://www.awesomescreenshot.com/video/13747868?key=94398fa09cd51f5d464aa3db2](https://www.awesomescreenshot.com/video/13747868?key=94398fa09cd51f5d464aa3db2)

Photograph1: 

Photograph2: </uploads/institutes/monthlyReport/Photograph2/6336-IC202015381.png>

Session plan, If any: <https://api.mic.gov.in/uploads/institutes/monthlyReport/report/5421-IC202015381.pdf>

This report is electronically generated against report submitted on Institution's Innovation Council Portal.


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Notice

27th December 2022

**IIC-BVDUIHMCT, Pune & Entrepreneurship Development Cell is delighted to Start Ups
Lecture Series**

The Lecture series for Startup is open for all students and faculty member of the institute.

Participants are requested to kindly join the lecture series with the link provided below.

| DATE | EVENTS | TIMINGS | RESOURCE PERSON | G MEET LINK |
|------------|---|----------------|-------------------|---|
| 05/01/2023 | Cyber Security Awareness for startups | 11 am To 12 pm | Prof .Amar Chavan | Video call link: https://meet.google.com/igs-bchy-deu |
| 05/01/2023 | Project Based Learning Awareness for Entrepreneurship Development | 01 pm To 02 pm | Prof .Amar Chavan | Video call link: https://meet.google.com/mdn-srki-ptt |
| 06/01/2023 | Essay Writing on "Start up India/Digital India" | 11 am To 12 pm | Prof .Amar Chavan | Video call link: https://meet.google.com/xfg-ybkv-utn |

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REPORT

Date: 05/01/2023

Time: 11 am To 12 pm

Faculty Responsible:-

Mr Amar Chavan-IPR- Co ordinator

Ms.Ashima Deshpande.

Student participation: 89

Faculty participation: 16

On 5th January 2023 on commemorate 75 years of India Independence as part of 'Azadi Ka Amrut Mahotsav' an Cyber Security Awareness for startups lecture was organized by IIC-BVDUIHMCT, Pune Our Resource person Prof Amar Chavan spoke about

What is Cyber Security Awareness and Why is it Important for startups & new ventures. **Why is Cybersecurity Important for a Startup?**

Nowadays, eventually, daily Cyber-attacks take place on all types of businesses; however, startups are more vulnerable. According to Accenture's Cost of Cybercrime Study, 43% of cyber-attacks target Small and Medium Businesses, aka Startups, yet only 14% are equipped to protect against them. Such attacks can be controlled with the help of Inside protection

Different Types of Cyber Threats You May Face as a Startup Founder

1. Ransomware

Ransomware attacks are becoming common security risks to crucial data and systems. Ransomware is a malicious malware that infects your network and encrypts your data, systems, or devices. Hackers demand a ransom to decrypt your data and obtain access to compromised systems. This attack appears after Covid 19, and startups with customer data are vulnerable.

2. Supply Chain Attacks

The supply chain poses a major threat to application security. Attackers obtain access to your online application using your cloud or a SaaS vendor. In today's work culture of work-from-home and infrastructure cloud integrations, attackers target and exploit soft targets or vulnerabilities that are left undiscovered in the chain.


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3. Cloud-Based Attacks

With the massive rise in cloud deployments, businesses are also encountering an increase in cloud-based attacks such as:

- **Trojan Horse Virus:** Trojans are malicious programs that pretend to do one activity but execute another. Trojans might be classified as attachments, downloads, or fraudulent videos/programs.
- **Spyware:** Spyware is like a Trojan horse and installs on your computer or network. It monitors a normal user's activities and sends this information to third-party attackers / hackers.
- **SQL Injections:** Hackers identify and exploit SQL Injection vulnerabilities in web applications or websites by inserting malicious code or unprotected inputs. Once in, attackers can find a way around security mechanisms such as password verification, authentication, and authorization, among others. They can quickly get access to the database of the web application and important data information.

Distributed Denial-of-Service: This form of cyber-attack involves flooding the application, network, or server with unauthorized traffic to slow down or render unavailable the target web applications or websites to authorized users.

Cross-Site Scripting (XSS): XSS is a web security vulnerability that allows an attacker to compromise user interactions with a susceptible application. It allows an attacker to evade the same original policy, which is designed to keep different websites distinct. Cross-site scripting vulnerabilities often allow an attacker to impersonate a target user, do whatever activities the user can complete, and access any of the user's data.

Cross Site Request Forgery (CSRF / XSRF): This is an exploit that pushes an end-user to do undesirable activities on a web application in which he or she is currently authenticated. An attacker can fool and abuse web application users by using social engineering (such as providing a link through email/chat).

Botnet: A botnet is a network of malware-infected computers and networked devices (IoT, smart devices, and so on) that collaborate under the command of a single malicious actor or attack group. A zombie army is another term for such a network, and each infected device is referred to as a bot/zombie. From

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a few thousand to over a million hacked devices, the number of bots in a botnet will vary amongst zombie networks.

4. API Threats

In the dynamic commerce era, with the rapid rise of single-page, Jamstack apps, and modular application design, APIs have become critical to application connectivity/performance. Because APIs have easier access to data, they are a primary target for attackers. Numerous vulnerabilities exist that the attackers use to steal the data, ranging from shoddy coding to unprotected APIs. The most prevalent attack method leading to data breaches for business online applications, according to Gartner, will be API misuse by 2023.

5. Phishing Attacks

Phishing attacks mislead unwary users into visiting malicious websites, clicking malicious links, or downloading files that compromise their computers. When a user falls for the trap, the hacker has access to the targeted data and can also build backdoors to steal things or engage in other illegal acts in the future without being noticed.

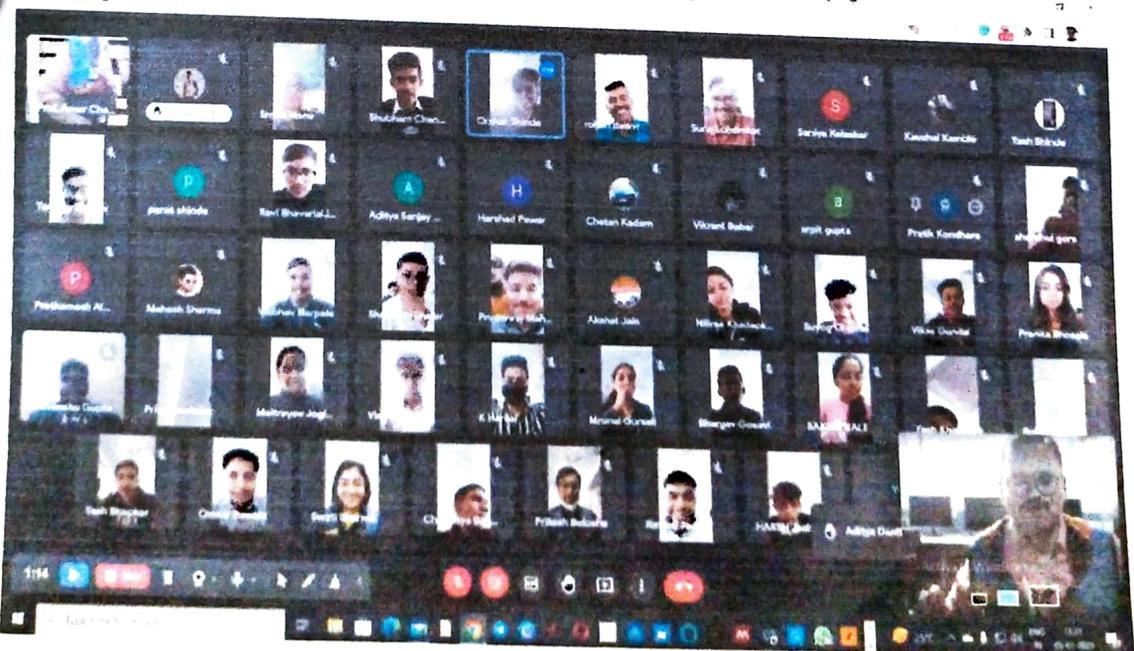
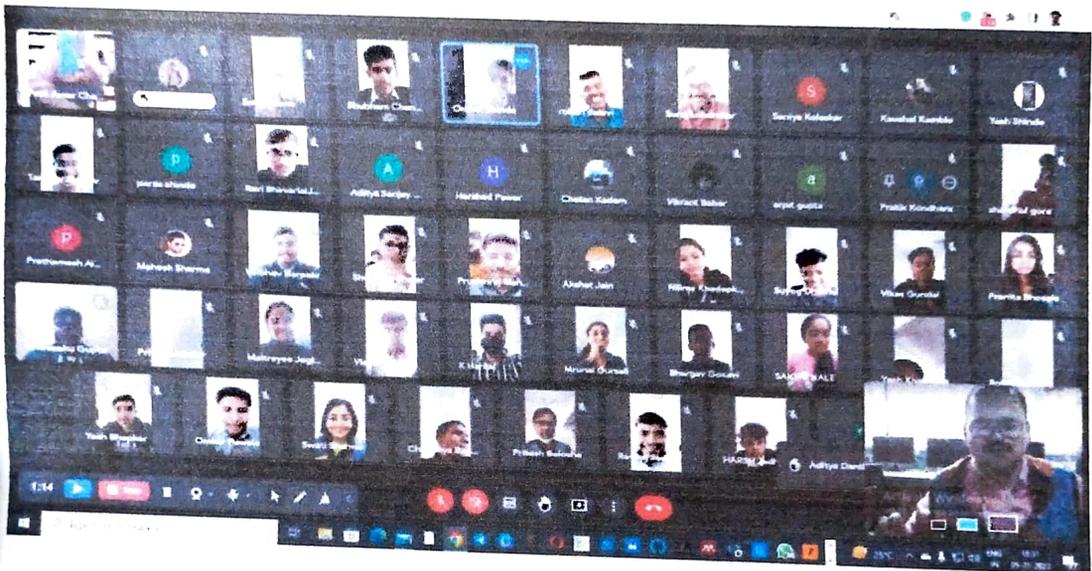
Dr L.S.Chirmulay

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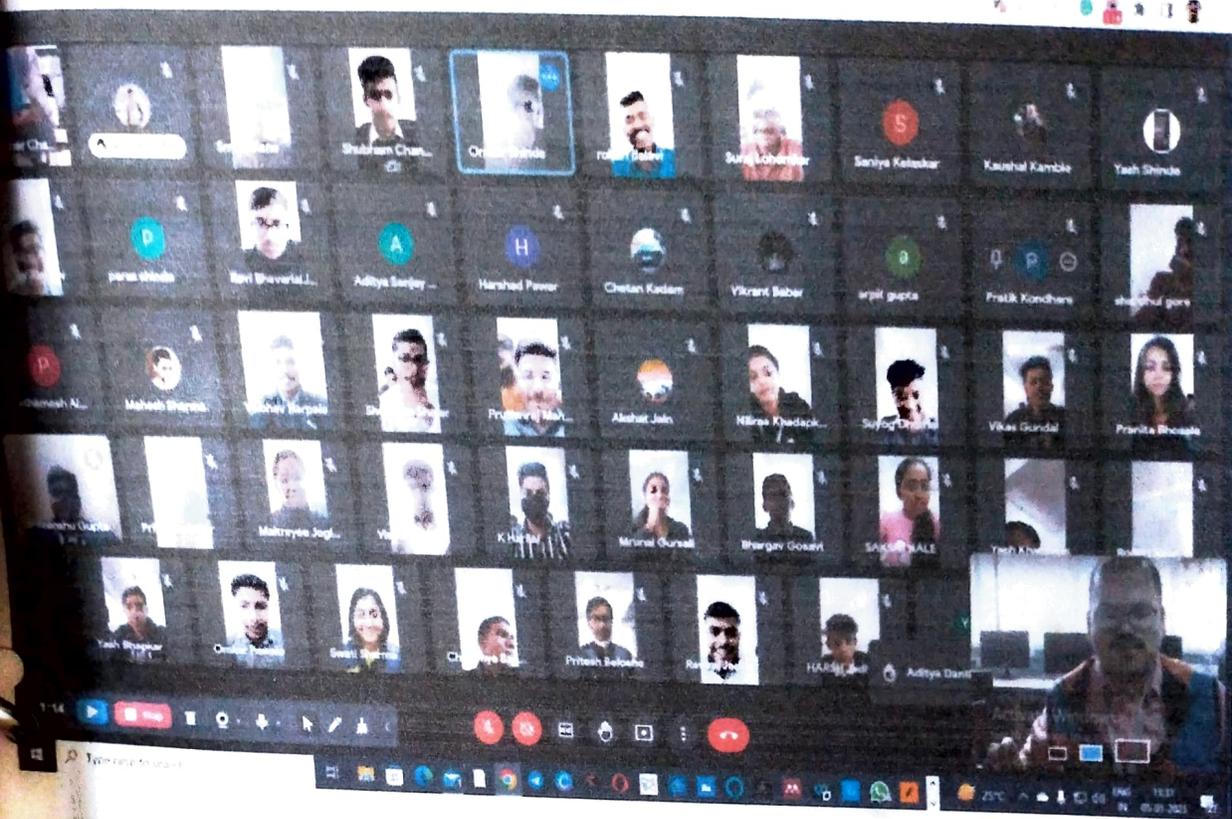
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Link of event :

<https://www.awesomescreenshot.com/video/13747868?key=94398fa09cd51f5d464aa3db2a6ea934>



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