Academic Year: 2020-21   Date:13/05/2021

Project eSaksham

All student and staff members of Nutan Maharashtra Institute of Engineering and Technology are hereby informed that a joint initiative of **Ministry of Education, AICTE and Cyberspace Foundation** started *"Project eSaksham"*. It is a one-year training program to gain and strengthen cyber security skills. The project comprises four levels of training, rated basic to advance, and aimed at creating awareness, while building capacities to create a team of highly skilled professionals in the Information Security domain.

Level 1: - 2 Hours online workshop on basic concept of cyber security.
Level 2: - 4 Days training session on enhancing cyber security skills.
Level 3: - 5 days training sessions focused on IOT Security, Cloud Security, block chain, Infrastructure Security.
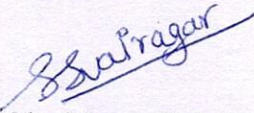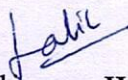**Level 4**: -30 Days intensive training session depending upon skill sets of participants.

Faculty & Staff Training, Skill Development Committee of NMIET invited you all to be a part of level 1 training which is being conducted over next few months. The session is planned for every Monday and Wednesday from 10AM to 12PM. Online assessment test will be conducted post the session in each level.
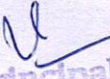
All HOD's are requested to encourage staff and students of their respective departments for this training program. All students participating in the assessment will receive participation certificates.
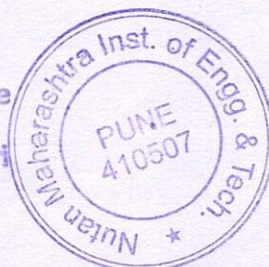
Brochure is attached with detailed Information about the training.

Prof.Neeta P.Karhadkar   Prof.Shubhangi Vairagar   Dr.Lalitkumar Wadhwa
Coordinator   Committee Incharge   Principal,NMIET.

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PUNE
410507

Project eSaksham

A Joint Initiative of Ministry of Education, AICTE, and CyberPeace Foundation

Ministry of Education

AICTE

paloalto

PROBLEM STATEMENT

The global demand for cyber security experts reached six million in 2019. According to NASSCOM, in 2020, India had a shortage of one million cyber security. The labour crunch for the same is expected to hit approximately 3.5 million unfilled jobs by 2021.

Technological advancements and the internet have had a tremendously positive impact on innovation and opened doors for unlimited opportunities. But at the same time, it has also exposed humankind to unprecedented challenges. This new virtual space has now become a breeding ground for criminals, owing to the anonymity guaranteed to users, putting at risk citizens' security, society's social fabric, and national interest as well. The lack of digital literacy, often results in people becoming easy targets of crimes, especially harassment, abuse & frauds.
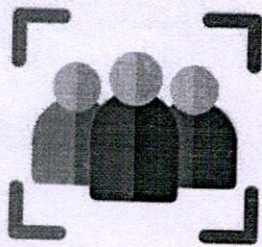
GOALS & OBJECTIVES

GOALS

- To build a community where :

  - the internet strengthens, rather than become a liability or weakness;

  - the youth are skilled and industry ready;

  - resources are used to create a secure ecosystem where we can translate research into market ready products through a plug and play model of research and innovation.
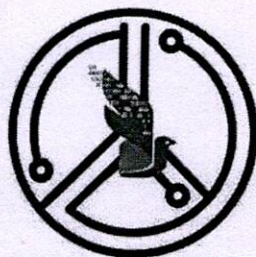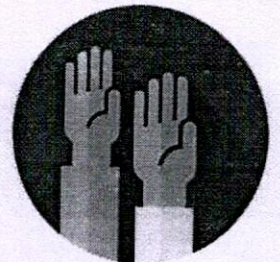
OBJECTIVES

Train 5 LAKH Students and Educators

Create 25,000 CYBERPEACE CORPS VOLUNTEERS and 500 CyberPeace Fellows
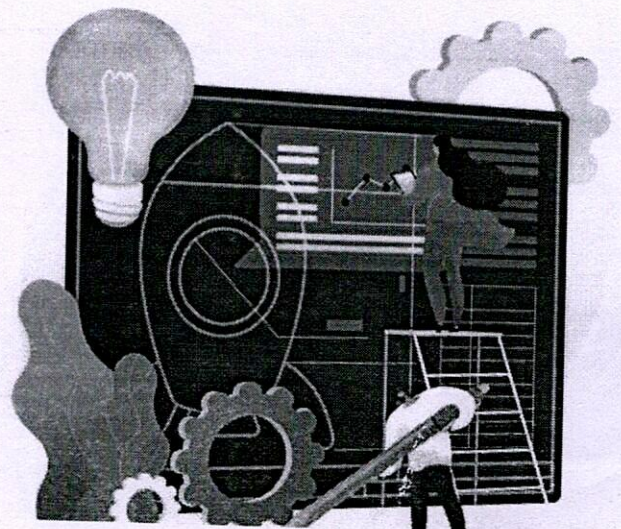
Set up 50 CYBERPEACE CLUBS

Over the course of 1 year, we aim to :

- Strengthen Cybersecurity skills, academicians, processes and technology.

- Fill the skills gap in the cyber security space in India.

- Make masses aware of :

  - Data Privacy and Digital Footprint

  - CyberEthics - Responsible Online Behaviour

  - Cyber Crime and Reporting

- Create an ecosystem where everyone can share and report instances of online frauds and harassment freely

- Mentor and convert skills into start-ups through incubation

- Create a pool of 25,000 CyberPeaceKeepers

- Set up 50 CyberPeace Clubs across the Country

- Create 500 Industry ready CyberPeace Fellows

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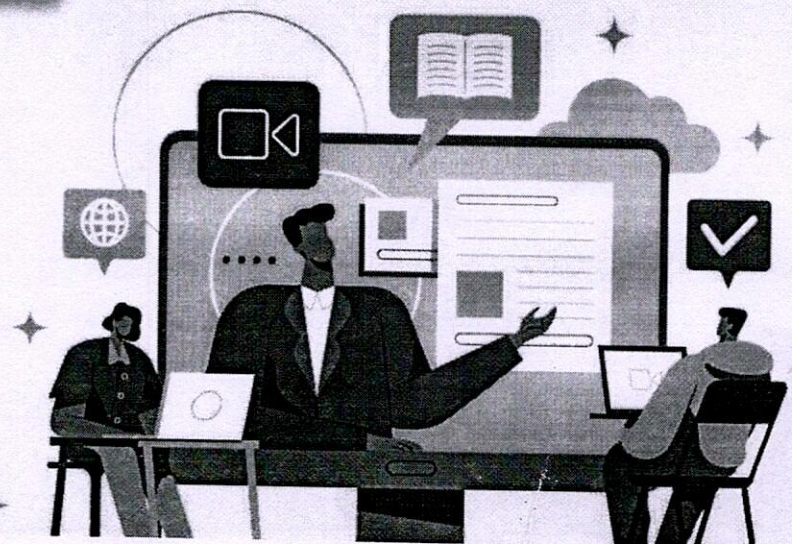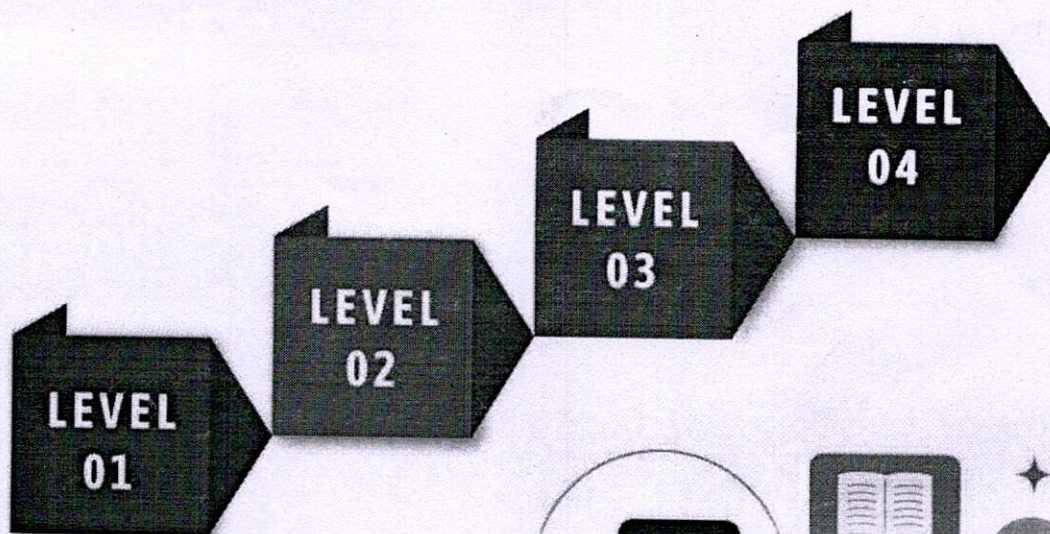## The major outcomes of this joint initiative include :

- Enabling the youth to understand the importance of engaging in cyberspace

- Incubating innovative ideas and startups and create hubs for innovation and invention

- Assessing the vulnerabilities in online spaces and identifying strategies

- Making Cyber Range and Simulation Labs accessible

TRAINING AT FOUR LEVELS

LEVEL 01

LEVEL 02

LEVEL 03

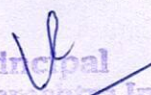LEVEL 04

Level 1 Training

- 2-hour long online workshop on basic concepts on online safety and cybersecurity, netiquette and introduction to new technologies

- Training will be for Students and Educators in batches of 6000 – 10000 participants

- A total of 5,00,000 participants will be trained through Level 1 training workshops
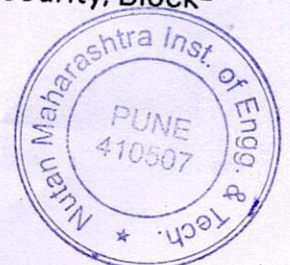
Level 2 Training

- A 4-day long training session for 25,000 participants, shortlisted through an online assessment

- Training will focus on enhancing CyberSecurity Skills of the participants in batches of 1000

- An assessment Test will be conducted at the end of each session

- The participants will be enrolled in the CyberPeace Corps Volunteer program and will work on ongoing as well as independent projects

Level 3 Training

- 5,000 participants will be shortlisted for the Level 3 through as assessment test

- 5-Day long customised training sessions will be conducted for the participants suited to their areas of interest

- This level training will be focusing on specialized verticals as IoT Security, Cloud Security, Block-chain, Infrastructure Security, etc.

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Level 4 Training

- 500 participants will be shortlisted for this level through a series of assessments, and also a psychometric test.

- A 30-Day intensive training session will be conducted depending on their skillset for the participants

- The participants will get an opportunity to work on Capstone Projects with different partners from Government, Academia, Industry, LEAs etc.

- They will be connected with mentors and subject matter experts from the industry

- Access to labs, cyber ranges etc. will be provided

- On successful completion, participants will be awarded a Certificate/Diploma by AICTE & Cyber-Peace Foundation

Other Activities :

Online safety competitions for the participants, encouraging the positive use of online space will also be conducted throughout the course of the initiative.

GLOBAL CYBERPEACE CHALLENGE

RESEARCH CONCLAVE

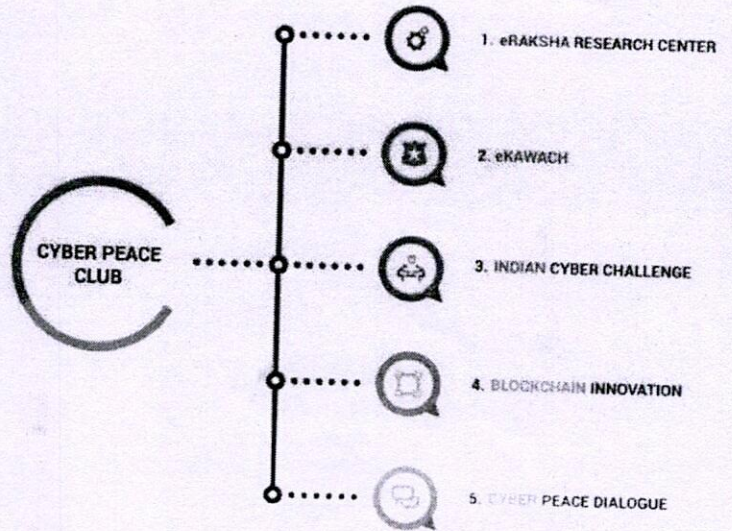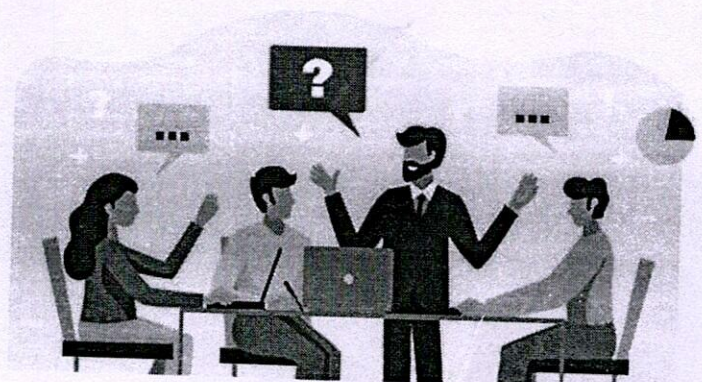**SYMPOSIUM**

eRAKSHA COMPETITION

About Clubs:

CyberPeace clubs are the community interfacing endpoints for executing collaborative initiatives with multiple stakeholders. The clubs will be nurtured by eminent experienced personalities from the advisory board & team from CPF. The clubs will engage in various activities outlined below. The activities are not exhaustive and we will add more based on the capabilities and enthusiasm from the members. It's a bottom-up approach of influencing and contributing towards effective policies, initiative, research etc. to build a peaceful and stable cyber space.

CYBER PEACE CLUB

1. eRAKSHA RESEARCH CENTER
2. eKAWACH
3. INDIAN CYBER CHALLENGE
4. BLOCKCHAIN INNOVATION
5. CYBER PEACE DIALOGUE

The club members would be participating or contributing to some of the below mentioned Internet Governance and Cyber Security working Groups through their activities

- Cyber Law
- Child and Women online safety
- Inclusion and Capacity Building - Specially abled
- Community Networks
- Entrepreneurship
- Critical Information Infrastructure
- Cyber Crime, Forensics and Law Enforcement
- IoT Security
- Trust on Internet (Blockchains)
- Innovations

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PARTNERS

Ministry of Education : The Ministry of Education (MoE), formerly the Ministry of Human Resource Development (1985–2020), is a Ministry of Government of India responsible for the implementation of the National Policy on Education. The Ministry is further divided into two departments: the Department of School Education and Literacy, which deals with primary, secondary and higher secondary education, adult education and literacy, and the Department of Higher Education, which deals with university level education, technical education, scholarships, etc.
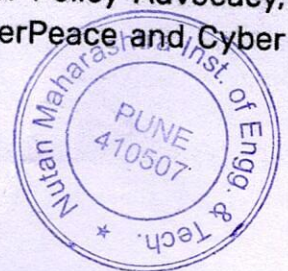
AICTE : The All-India Council for Technical Education (AICTE) is a statutory body, and a national-level council for technical education, under the Department of Higher Education. Established in November 1945 first as an advisory body and later in 1987 given statutory status by an Act of Parliament, AICTE is responsible for proper planning and coordinated development of the technical education and management education system in India.

CyberPeace Foundation : CyberPeace Foundation [CPF] is an award-winning non-partisan civil society organization, think tank of cyber security and policy experts with the vision of pioneering Cyber-Peace Initiatives to build collective resiliency against cybercrimes & global threats of cyber warfare. CPF is involved in Policy Advocacy, Research and Training related to all aspects of CyberPeace and Cyber Security
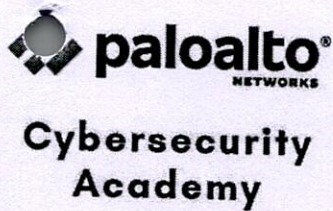
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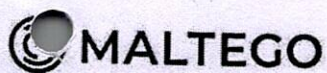"Samarth Vidya Sankul" Vishnupuri
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PARTNERS

PROPOSED PARTNERS

paloalto NETWORKS
Cybersecurity Academy

Palo Alto Networks : Palo Alto Networks is one of the world's global cybersecurity leaders, aimed at shaping the cloud-centric future with technology that is transforming the way people and organizations Palo Alto Networks help address the world's greatest security challenges with continuous innovation that seizes the latest breakthroughs in artificial intelligence, analytics, automation, and orchestration. By delivering an integrated platform and empowering a growing ecosystem of partners, they are at the forefront of protecting tens of thousands of organizations across clouds, networks, and mobile devices.
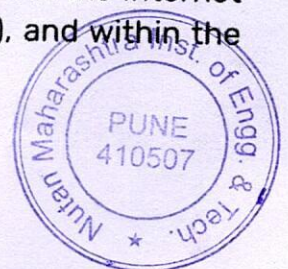
MALTEGO

Maltego : Maltego is a comprehensive tool for graphical link analyses that offers real-time data mining and information gathering, as well as the representation of this information on a node-based graph, making patterns and multiple order connections between said information easily identifiable. It is managed by Maltego Technologies GmbH, based in Munich, Germany.

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Public Information Registry : Based in Reston, Virginia, Public Interest Registry is a not-for-profit organization created by the Internet Society (ISOC), originally to manage the .ORG domain. They operate and manage the .ORG domain, and are also very active participants with the Internet Corporation for Assigned Names and Numbers (ICANN), and within the global domain community.

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PROPOSED PARTNERS

Ministry of Education
Government of India

AICTE

CyberPeace
Foundation

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Cybersecurity
Academy

MALTEGO

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CyberPeace
Foundation

Launch of eRaksha Competition 2021, Global CyberPeace Challenge 3.0 and Project eSaksham

Panel Discussion - The Future of CyberSecurity: Bridging the Skill Gap

Date – 17th May 2021
Time – 11.00am to 1.00pm IST
Mode – Zoom
Link for audience – https://us02web.zoom.us/j/88340641038
Passcode- 931481

THE LAUNCH and THE PANEL DISCUSSION

S.N.	Time	Duration	Speakers	Agenda
1	11.00 to 11.05am	5 minutes	Ms. Shimoni Prasad Lead – External Communications CyberPeace Foundation	Welcome note and setting the context
2	11.05 to 11.15am	10 minutes	Ms. Janice Verghese Manager - Communications CyberPeace Foundation	How are we planning to bridge the "CyberSkill" Gap through these initiatives and play the Virtual Launch videos (3nos.)
3	11.15 to 12.05pm	50 minutes	Capt. Vineet Kumar Founder and President CyberPeace Foundation	Welcome and Introduction to the speakers
			Prof. Anil D. Sahasrabudhe Chairman AICTE, Ministry of Education	Panelist 1
			Dr. Amarendra Behera Joint Director Central Institute of Educational Technology (CIET) NCERT	Panelist 2
			Shri Abhishek Singh President and CEO National e Governance Division (NeGD)	Panelist 3
			Lt Gen (Dr.) Rajesh Pant (Retd), PVSM, AVSM, VSM National Cyber Security Coordinator (NCSC) Government of India	Panelist 4
				Vote of Thanks

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THE SESSION OVERVIEW– CyberPeace, CyberSecurity and Cyber Ethics

S.N.	Time	Duration	Speakers	Agenda
1	12.05 to 12.15pm	5 minutes	Dr. Abhilasha Vyas Senior Manager – Academic Initiatives CyberPeace Foundation	Welcome note and introduction to the speaker
2	12.15 to 12.30pm	15 minutes	Dr. Buddha Chandrasekhar Chief Coordinating Officer AICTE, Ministry of Education	Session for audience
3	12.30 to 12.45pm	15 minutes	Ms. Janice Verghese Manager –Communications CyberPeace Foundation	Session for audience
4	12.45 to 12.50pm	5 minutes	Ms. Antara Vats Research Analyst CyberPeace Foundation	Vote of Thanks

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