



**Government of India**  
**Ministry of Electronics and information Technology**  
**National Informatics Centre, Himachal Pradesh, Shimla**  
**Technical Presentations by NIC HP Officials held on 17-October-2025**

The fortnightly Technical Talk session was held on **17 October 2025**. The session featured ten-minute Technical presentations by individual Officers of NIC, followed by a five-minute session highlighting the Technical News during this time period. The Technical Presentations of every individual were also evaluated by the NIC Staff on various parameters such as Content, Delivery Style, Usefulness of Topic, Time Constraint, Font & Style on the scale of 5 through the Hindi Bodh Mobile Application.

**The details of the presenters & rating are as below:**

Sr. No.	Name	Designation	Topic	Rating (5.0)
1.	Sh. Sanjay Sharma	Scientist-F	Technical News	4.5
2.	Sh. Manisha	Scientific/Technical Assistant-A	Generative AI- The Future of Intelligent Creation	4.2
3.	Sh. Sandeep	Scientific/Technical Assistant-A	Cyber Security Awareness in India	4.0
4.	Sh. Jagdeep	Scientific/Technical Assistant-A	Internet of Things	4.1

In addition to the presentations, a quiz competition was organized related to technical content delivered. A total of **31** officials participated in the quiz, which was conducted on the Hindi Bodh Mobile App. The quiz featured **12** multiple-choice questions, all based on the technical presentations delivered by NIC officials.

**The result of the quiz competition is as below:**

Position	Participant Name	Designation	Location
1 <sup>st</sup>	Sh. Chander Shekhar	Scientist D	NIC District Centre Solan
2 <sup>nd</sup>	Sh. Sanjay Thakur	Scientist C	NIC State Centre, Shimla
3 <sup>rd</sup>	Sh. Shailender Kaushal	Scientist- F	NIC State Centre, Shimla



*NIC HP officials attending the technical session*

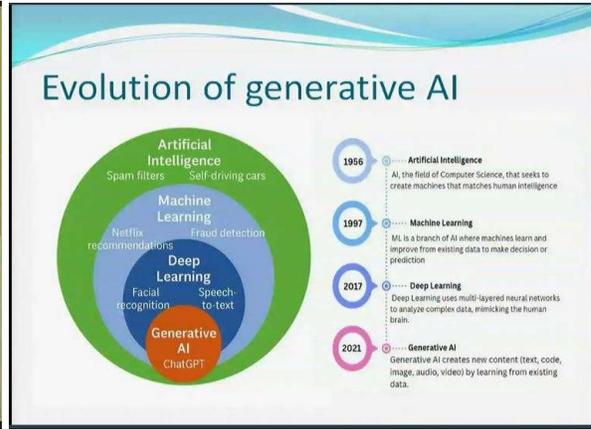
**The following officials were present during the technical talk held on 17-10-2025**

Sr. No	Name of official	Designation	Centre (State/District)
1.	Sh. Ajay Singh Chahal	SIO-Cum-Scientist-G	NIC State Centre
2.	Sh. Sandeep Sood	Scientist-G	NIC State Centre
3.	Sh. Lalit Kapoor	Scientist-F	NIC State Centre
4.	Sh. Sanjay Sharma	Scientist-F	NIC State Centre
5.	Sh. Vijay Gupta	Scientist-F	NIC State Centre
6.	Sh. Pankaj Gupta	Scientist-F	NIC State Centre
7.	Sh. Shailender Kaushal	Scientist-F	NIC State Centre
8.	Sh. P S Kannan	Scientist-E	NIC State Centre
9.	Sh. Sanjay Thakur	Scientist-F	NIC State Centre
10.	Sh. Ashish Sharma	Scientist D	NIC State Centre
11.	Sh. Mukesh Kumar	Scientist D	NIC State Centre

12.	Sh. Prithvi Raj	Scientist C	NIC State Centre
13.	Sh Sanjay Kumar	Scientist-F	NIC HP CGO Complex
14.	Sh. Vinod Kumar Garg	Scientist-F	NIC HP CGO Complex
15.	Sh. Mangal Singh	Scientist-D	NIC HP CGO Complex
16.	Sh. Cl Kashyap	Scientist-D	NIC High Court
17.	Sh. Jitender Sharma	Scientist-B	NIC High Court
18.	Sh. Rakesh Kumar	Scientist D	NIC District Centre, Bilaspur
19.	Sh. Manisha	Scientific/Technical Assistant-A	NIC District Centre, Bilaspur
20.	Sh. Sandeep	Scientific/Technical Assistant-A	NIC District Centre, Chamba
21.	Sh. Sukaksh Sidhpuri	Scientific Officer	NIC District Centre, Chamba
22.	Sh. Prashant Kumar	Scientific Officer SB	NIC District Centre, Hamirpur
23.	Sh. Chetan Saini	Scientific Officer SB	NIC District Centre, Mandi
24.	Sh Jagdeep	Scientific/Technical Assistant-A	NIC District Centre, Lahaul & Spiti.
25.	Sh. Brijender Dogra	Scientist-E	NIC District Centre, Kullu
26.	Sh. Balwan Singh	Scientist-D	NIC District Centre, Kinnaur
27.	Sh. Akshay Mehta	Scientist F	NIC District Centre, Kangra
28.	Sh. Sarvjeet Kumar	Scientist- C	NIC District Centre, Kangra
29.	Sh. Deepak Kumar	Scientist- C	NIC District Centre, Shimla
30.	Sh. Chander Shekhar	Scientific Officer - SB	NIC District Centre, Solan
31.	Sh. Mohan Rakesh Aggarwal	Scientist-E	NIC District Centre, Sirmaur
32.	Sh. Bhupinder Singh	Scientist-D	NIC District Centre, Una

### Overview of Technical Presentations

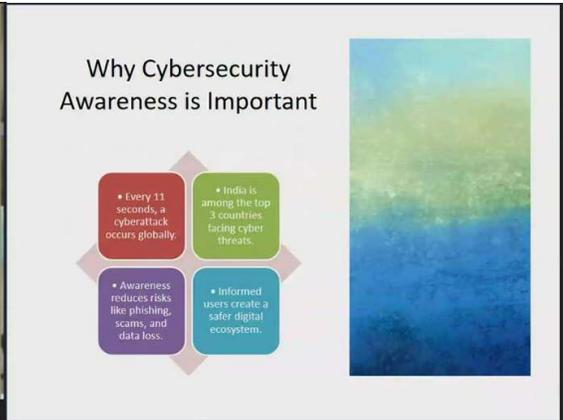
#### Generative AI- The Future of Intelligent Creation:



*Smt.Manisha presenting on Generative AI- The Future of Intelligent Creation.*

Smt Manisha delivered the presentation on the **Generative AI- The Future of Intelligent Creation**. The presentation depicts that Generative AI is a branch of artificial intelligence that learns patterns from large amounts of data to create new content such as text, images, music, and code. It uses models like GANs, VAEs, Transformers, and Diffusion Models to generate realistic and creative output. These technologies help in automation, personalization, innovation, and accessibility across various fields. While generative AI offers immense benefits, it also raises concerns about ethics, privacy, and misuse, making responsible use essential for the future.

#### Cyber Security of Awareness in India:



*Sh Sandeep presenting on Cyber Security of Awareness in India.*

Sh. Sandeep delivered a presentation on Cyber Security of Awareness in India. It has been growing rapidly as digital adoption increases across government, businesses, and the public. With rising cyber threats such as phishing, data breaches, online fraud, and ransomware, the government has strengthened initiatives through programmes like the *Cyber Swachhtha Kendra*, *CERT-In*, and digital safety campaigns. Schools, workplaces, and public platforms now emphasize safe online behavior, strong passwords, secure transactions, and awareness of cybercrime reporting channels. Though awareness has improved, challenges remain—especially low digital literacy, rapid technology growth, and increasing cyber fraud—making continuous education and proactive security practices essential for a safer digital India.

**Internet of Things:**


### What is Internet of Things?

- IoT is a network of interconnected devices with unique IDs that can collect & share data without human intervention.
- Simply this is the concept of basically connecting any device with an on and off switch of internet. This include everything from smart phones, watch, washing machines, headphones, lamps, wearable devices and almost everything else we can think of.

*Sh Jagdeep presenting on Internet of Things.*

Sh Jagdeep delivered a presentation on Internet of Things. The Internet of Things (IoT) is a network of interconnected devices equipped with sensors and software that collect, share, and process data over the internet without human involvement. It enables everyday objects—like smart lights, watches, cars, appliances, and industrial machines—to communicate and automate tasks through sensing, connectivity, cloud processing, and responsive actions. IoT offers major benefits such as real-time information access, automation, cost savings, and improved healthcare, but also faces challenges like security risks, data volume, software complexity, and constant power needs. Overall, IoT is transforming homes, industries, and cities into smarter, efficient, and connected environments.

**Technical News:**

- Google's \$10B data centre investment in Visakhapatnam
- MapmyIndia's Mappls App Gains Government Recognition
- Anthropic to open its first office in India next year
- Biometric authentication for digital payments, UPI
- MeitY to Launch India's First Large Language Model by End of 2025

*Sh. Sanjay Sharma, presenting the Technical News*

Sh. Sanjay Sharma presented the technical news. Here's topics of the main news covered in the presentation:

- Google invested **\$10B** in a Vizag data centre.
- Mappls app gets **Government recognition**.
- Anthropic opening **India office in 2026**.
- **Biometric UPI** authentication to begin.
- India launching its **first LLM by Dec 2025**.
- HP CM launches **Doodh Protsahan Yojana**.
- PM visits **Himachal & Assam** for reviews; NIC provides support