



सत्यमेव जयते  
Government of India

Ministry of Electronics and information Technology  
National Informatics Centre, Himachal Pradesh, Shimla  
Technical Presentations by NIC HP Officials held on 28-March-2026

The fortnightly Technical Talk session was held on **28<sup>th</sup> March ,2026**. 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. Prithvi Raj	Scientist-C	Programming Languages	4.6
2.	Sh. Sandeep Kumar	Scientific/Technical Assistant-A	Real Time Communication Technologies	4.6
3.	Sh. Anand Verma	Scientific Officer SB	Designing Scalable Systems	4.1
4.	Sh. Devwritt Arya	Scientific Officer SB	Technical News	4.5

In addition to the presentations, a quiz competition was organized related to technical content delivered. A total of **30** 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. Sanjay Kumar	Scientist-F	NIC HP, CGO Complex
2 <sup>nd</sup>	Sh. Sanjay Thakur	Scientist-F	NIC State Centre
3 <sup>rd</sup>	Sh. Deepak Kumar	Scientist- C	NIC District Centre, Shimla



*NIC HP officials attending the technical session*

**The following officials were present during the technical talk held on 28-03-2026**

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

11.	Sh. Sanjay Kumar	Scientist-F	NIC HP CGO Complex
12.	Sh. Vinod Kumar Garg	Scientist-F	NIC HP CGO Complex
13.	Sh. Mangal Singh	Scientist-D	NIC HP CGO Complex
14.	Sh. Cl Kashyap	Scientist-D	NIC High Court
15.	Sh. Rakesh Kumar	Scientist D	NIC District Centre, Bilaspur
16.	Smt. Manisha	Scientific/Technical Assistant-A	NIC District Centre, Bilaspur
17.	Sh. Prashant Kumar	Scientific Officer SB	NIC District Centre, Hamirpur
18.	Sh. Chetan Saini	Scientific Officer SB	NIC District Centre, Mandi
19.	Sh. Sandeep Kumar	Scientific Officer/Engineer-SB	NIC District Centre, Lahaul & Spiti
20.	Sh. Jagdeep	Scientific/Technical Assistant-A	NIC District Centre, Lahaul & Spiti
21.	Sh. Balwan Singh	Scientist-D	NIC District Centre, Kinnaur
22.	Ms. Priyanka Yadav	Scientific Technical Assistant-A	NIC District Centre, Kinnaur
23.	Sh. Akshay Mehta	Scientist F	NIC District Centre, Kangra
24.	Sh. Sarvjeet Kumar	Scientist- C	NIC District Centre, Kangra
25.	Sh. Anand Kumar Verma	Scientific Officer SB	NIC District Centre, Kullu
26.	Sh. Deepak Kumar	Scientist- C	NIC District Centre, Shimla
27.	Sh. Vedant Khachi	Scientific/Technical Assistant-A	NIC District Centre, Shimla
28.	Sh. Mohan Rakesh Aggarwal	Scientist-E	NIC District Centre, Sirmaur
29.	Sh. Devwritt Arya	Scientific Officer/Engineer-SB	NIC District Centre, Solan
30.	Sh. Bhupinder Singh	Scientist-D	NIC District Centre, Una

## Overview of Technical Presentations

### Programming Languages:



*Sh Prithvi Negi presenting on Programming Languages.*

Sh Prithvi Negi delivered the presentation on Programming Languages. The presentation outlines different types of programming languages and their features. It explains procedural, object-oriented, scripting, and markup languages with examples. It highlights their real-world uses like web development, automation, and AI. A NASA case shows how choosing the right language improves system efficiency and safety. It emphasizes the growing importance of programming in modern technology.

### Designing Scalable Systems:



*Sh Anand Verma presents on designing scalable systems.*

Sh. Anand Verma delivered a presentation on designing scalable systems. The presentation explains scalability as a system's ability to handle increasing load efficiently by scaling up or out. It highlights its importance for high availability, performance, and reliability in large systems like e-governance platforms. Core Computer science concepts like OS, DSA, DBMS, and networking are essential for building scalable.

**Real Time Communication Technologies:**



*Sh Sandeep Kumar presenting on Real Time Communication Technologies.*

Sh Sandeep Kumar delivered a presentation on Real Time Communication Technologies. The presentation explains real-time communication technologies used to deliver instant data without page refresh. It covers Long Polling, Server-Sent Events (SSE), and Web Sockets, highlighting their features and differences. Web Sockets provide full-duplex, low-latency communication and are best for chats and real-time apps. It compares these technologies based on performance, complexity, and use cases. It concludes that choosing the right technology depends on application needs, with Web Sockets being the most powerful option.

**Technical News:**



*Sh. Devwritt Arya, presenting the Technical News*

Sh. Devwritt Arya presented the technical news. Here’s topics of the main news covered in the presentation:

- Highlights major tech trends of 2026 like AI, satellite internet, and digital governance.
  - Introduces Sarvam AI for multilingual and India-focused applications.
  - Explains Starlink providing internet access in remote areas via satellites.
  - Covers government initiatives like Ama Sathi chatbot, Digital Census 2027, and Rural One app.
  - Shows how technology is improving accessibility and public services in India.
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