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 07-February-2026

The fortnightly Technical Talk session was held on **07 February 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. Sanjay Kumar	Scientist-F	Monolithic Applications vs Microservices Applications	4.6
2.	Sh. Vinod Garg	Scientist-F	Microservices - HGVMS Overview	4.5
3.	Sh. Mangal Singh	Scientific-D	Microservices DevOps Setup & Deployment	4.4
4.	Sh. Prithvi Raj	Scientific-C	Technical News	4.5

In addition to the presentations, a quiz competition was organized related to technical content delivered. A total of **24** officials participated in the quiz, which was conducted on the Hindi Bodh Mobile App. The quiz featured **15** 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
1st	Sh. Chetan Saini	Scientific Officer/Engineer-SB	NIC District Centre, Mandi
2nd	Sh. Jitender Sharma	Scientist-B	NIC High Court, Shimla
3rd	Sh. Prashant Kumar	Scientific Officer/Engineer-SB	NIC District Centre, Hamirpur

NIC HP officials attending the technical session

The following officials were present during the technical talk held on 07-02-2026

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. Lalit Kapoor	Scientist-F	NIC State Centre
4.	Sh. Sanjay Sharma	Scientist-F	NIC State Centre
5.	Sh. Vijay Kumar 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. Sandeep Kumar	Scientist-F	NIC State Centre
9.	Sh. P. S. Kannan	Scientist-E	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. Pankaj	Stenographer Grade-III	NIC State Centre
14.	Sh. Sanjay Kumar	Scientist-F	NIC HP CGO Complex
15.	Sh. Vinod Kumar Garg	Scientist-F	NIC HP CGO Complex
16.	Sh. Mangal Singh	Scientist-D	NIC HP CGO Complex
17.	Sh. Chunni Lal	Scientist-D	NIC High Court
18.	Sh. Jitender Sharma	Scientist-B	NIC High Court
19.	Sh. Rakesh Kumar	Scientist D	NIC District Centre, Bilaspur
20.	Sh. Manisha	Scientific/Technical Assistant-A	NIC District Centre, Bilaspur
21.	Sh. Prashant Kumar	Scientific Officer SB	NIC District Centre, Hamirpur
22.	Sh. Chetan Saini	Scientific Officer SB	NIC District Centre, Mandi
23.	Sh. Balwan Singh	Scientist-D	NIC District Centre, Kinnaur
24.	Sh. Akshay Mehta	Scientist F	NIC District Centre, Kangra
25.	Sh. Sarvjeet Kumar	Scientist- C	NIC District Centre, Kangra
26.	Sh. Deepak Kumar	Scientist- C	NIC District Centre, Shimla
27.	Sh. Mohan Rakesh Aggarwal	Scientist-E	NIC District Centre, Sirmaur
28.	Sh. Bhupinder Singh	Scientist-D	NIC District Centre, Una

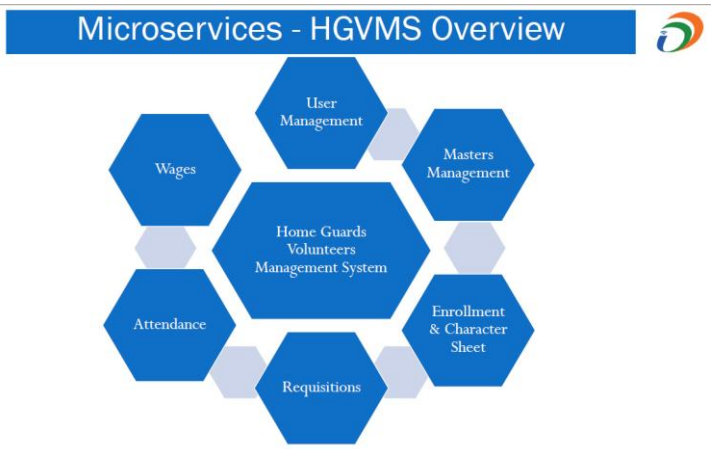
Overview of Technical Presentations

Monolithic Applications vs Microservices Applications:

Sh Sanjay Kumar presenting on Monolithic and Microservices Applications.

Sh. Sanjay Kumar delivered the presentation on the **Monolithic and Microservices Applications**. The presentation compares monolithic and microservices architectures, explaining that monolithic systems are simple, single-unit applications but lack scalability and flexibility, while microservices split applications into independent services that allow easier scaling, faster changes, and better resilience. It concludes that monolithic architecture suits small, stable systems, whereas microservices are ideal for large, evolving government platforms, with a hybrid approach being a practical modernization path.

Microservices based HGVMS:



Sh Vinod presenting on Microservices based HGVMS.

Sh. Garg delivered a presentation on Microservices based HGVMS. It describes the Home Guards Volunteers Management System (HGVMS) as a microservices-based application where core functions like enrollment, attendance, wages, and reporting run as independent services through an API gateway, enabling scalability, resilience, and efficient management of large government systems.

Microservices DevOps Setup and Development:

Sh Mangal presenting on Microservices DevOps Setup and Development.

Sh. Mangal delivered a presentation on **Microservices DevOps and hosting**. The presentation explains a **self-hosted microservices DevOps setup** using GitLab, Docker, and Nginx, where code changes trigger automated CI/CD pipelines that build, deploy, and route microservices through a single gateway. This setup enables fast, consistent, and production-like deployments in a local or offline environment without cloud dependency.

Technical News:

Sh. Prithvi Singh, presenting the Technical News

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

- Launch of **Claude Opus 4.6**, Anthropic's most advanced AI model, with improved coding ability and handling of complex tasks
- Overview of the **Notepad++ cyberattack (2025–26)** highlighting security concerns
- **India AI Impact Summit 2026** pre-summit initiatives by MeitY, including AI for ALL, AI by HER, and YUVAi challenges
- Launch of **Bharat Taxi**, India's first cooperative-based ride-hailing platform, offering transparent fares and better driver earnings
- Introduction of the **HimAtithi Portal** for online booking of JSV rest houses across Himachal Pradesh
- Emphasis on future readiness through AI-augmented skills, domain expertise, and digital literacy.