



Government of India

Ministry of Electronics and information Technology

National Informatics Centre, Himachal Pradesh, Shimla

Technical Presentations by NIC HP Officials held on 26-July-2025

The fortnightly Technical Talk session was held on **26-July 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.

After the technical presentations, the State Informatics Officer held a meeting with the new officers appointed in the district centers. During the meeting, the State Informatics Officer reviewed the work being done by all the district officers and gave necessary instructions.

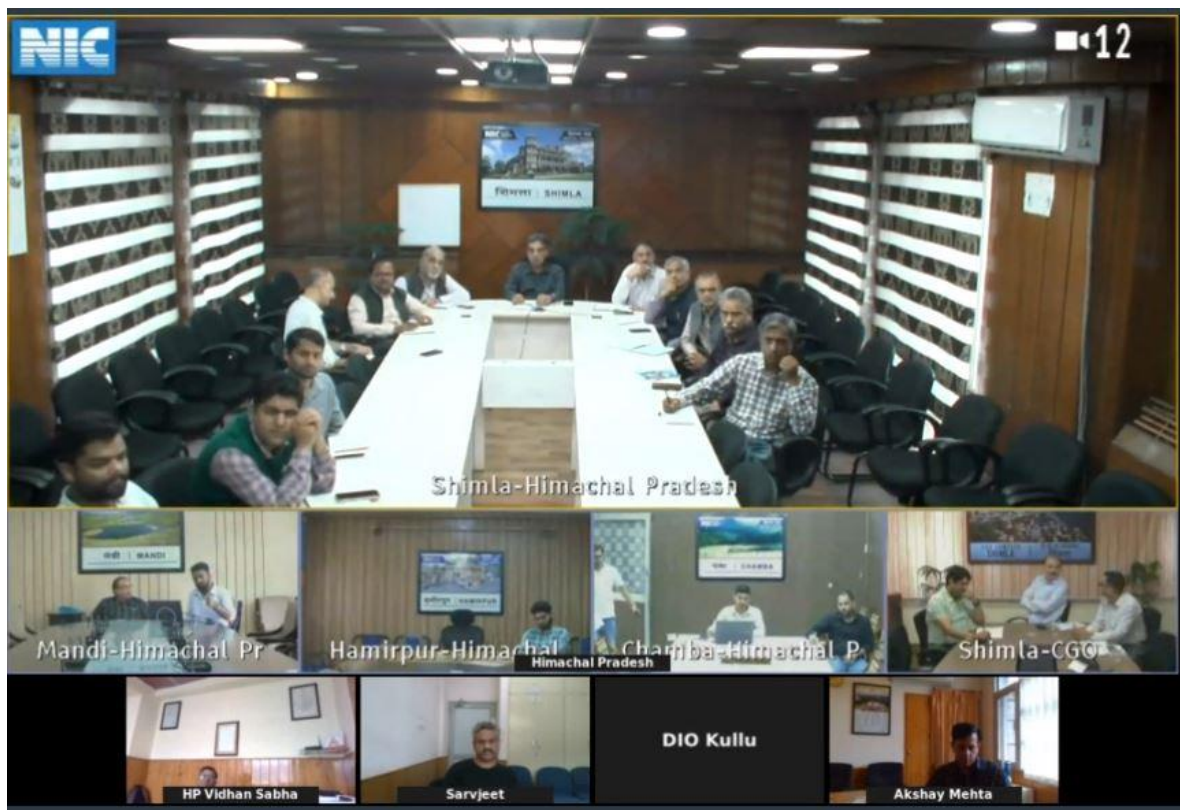
The details of the presenters & rating are as below:

Sr. No.	Name	Designation	Topic	Rating (5.0)
1.	Sh. Sandeep Kumar	Scientist-F	Convolutional Neural Network	3.9
2.	Sh. Sarvjeet Kumar	Scientist-C	Technical News	4.0
3.	Sh. Chetan Saini	Scientific Officer SB	CI/CD Pipeline using GITLAB	4.1
4.	Sh. Sukaksh Sidhpuri	Scientific Officer/Engineer-Sb	Latest Trends in Web 3.0	3.9

In addition to the presentations, a quiz competition was organized related to technical content delivered. A total of 25 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 st	Sh. Sandeep Kumar	Scientist-F	NIC at HP Vidhan Sabha
2 nd	Sh. Sukaksh Sidhpuri	Scientific Officer/Engineer-Sb	NIC State Centre, Chamba
3 rd	Sh. CL Kashyap	Scientist- C	NIC at HP High Court



NIC HP officials attending the technical session

The following officials were present during the technical talk held on 28-06-2025

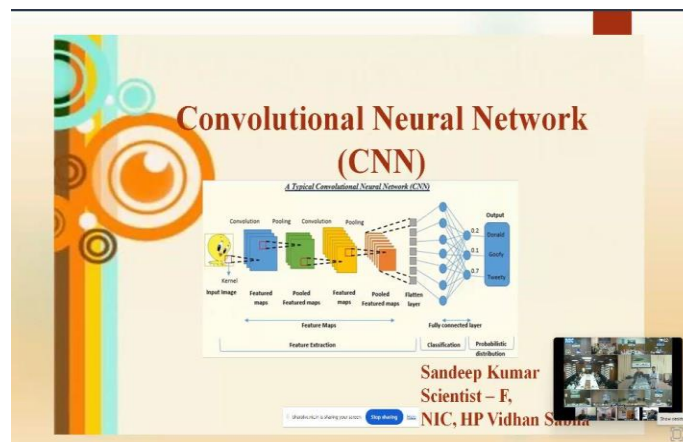
Sr. No	Name of official	Designation	Centre (State/District)
1.	Sh. Ajay Singh Chahal	SIO-Cum-Scientist-G	NIC State Centre
2.	Sh. Lalit Kapoor	Scientist-F	NIC State Centre
3.	Sh. Sandeep Sood	Scientist-F	NIC State Centre
4.	Sh. Vijay Gupta	Scientist-F	NIC State Centre
5.	Sh. Sanjay Sharma	Scientist-F	NIC State Centre

6.	Sh. Pankaj Gupta	Scientist-F	NIC State Centre
7.	Sh. Akhilesh Bharti	Scientist-F	NIC State Centre
8.	Sh. Sanjay Thakur	Scientist-F	NIC State Centre
9.	Sh. Ashish Sharma	Scientist D	NIC State Centre
10.	Sh. Mukesh Kumar	Scientist D	NIC State Centre
11.	Sh. Prithvi Raj	Scientist C	NIC State Centre
12.	Sh. Himanshu Gupta	Steno Grade-III	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-C	NIC HP CGO Complex
16.	Sh. Cl Kashyap	Scientist-C	NIC High Court
17.	Sh. Jitender Sharma	Scientist-B	NIC High Court
18.	Sh. Rakesh Kumar	Scientist-D	NIC District Centre, Bilaspur
19.	Smt Manisha	Scientific Technical Assistant-A	NIC District Centre, Bilaspur
20.	Sh Sukaksh Sidhpuri	Scientific Officer/Engineer-Sb	NIC District Centre, Chamba
21.	Sh Sandeep	Scientific Technical Assistant-A	NIC District Centre, Chamba
22.	Sh. Prashant Kumar	Scientific Officer SB	NIC District Centre, Hamirpur
23.	Sh. Ashwini Sharma	Scientist-E	NIC District Centre, Mandi
24.	Sh. Chetan Saini	Scientific Officer SB	NIC District Centre, Mandi
25.	Sh Jagdeep	Scientific/Technical Assistant-A	NIC District Centre, Lahaul & Spiti.
26.	Sh. Balwan Singh	Scientist-D	NIC District Centre, Kinnaur
27.	Sh. Deepak Kumar	Scientist- C	NIC District Centre, Shimla
28.	Sh. Chander Shekhar	Scientific Officer - SB	NIC District Centre, Solan

29.	Sh. Mohan Rakesh Aggarwal	Scientist-D	NIC District Centre, Sirmaur
30.	Sh Bhupinder Singh	Scientist-D	NIC District Centre, Una

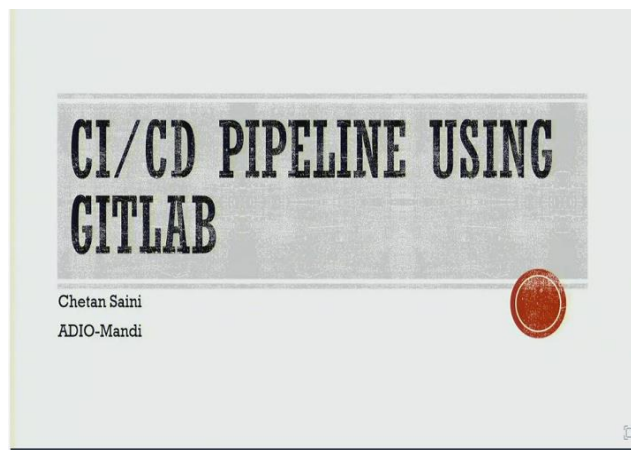
Overview of Technical Presentations

CONVOLUTIONAL Neural Network:



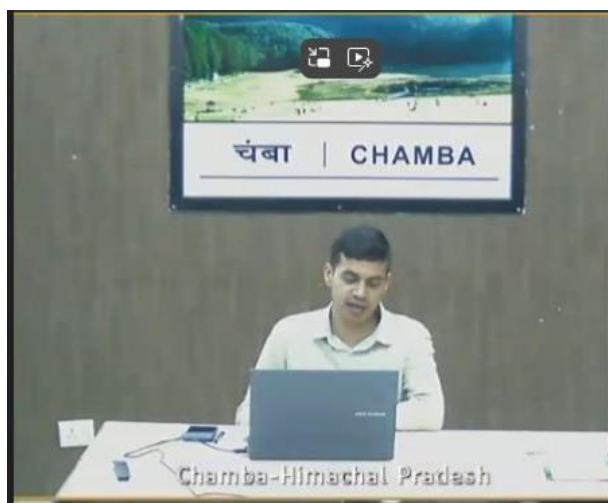
Sh. Sandeep Kumar presenting on Convolutional Neural Network.

Sh Sandeep Kumar delivered the presentation on the Convolutional Neural Network. The presentation explains Convolutional Neural Networks (CNNs), a deep learning model widely used in computer vision tasks like image classification, object detection, and facial recognition. It outlines key CNN components—convolution, pooling, and output layers—and concepts like stride and padding. Popular CNN architectures such as LeNet, AlexNet, and ResNet are mentioned. Applications range from medical imaging to autonomous vehicles. A sample CNN model using Keras is also included, demonstrating data preprocessing, model training and evaluation.

CI /CD PIPELINE USING GITLAB:

Sh Chetan Saini presenting on CI/CD Pipeline Using GitLab.

Sh. Chetan Saini delivered a presentation on *CI/CD Pipeline Using Gitlab*. The presentation explains the CI/CD pipeline using GitLab, a web-based DevOps platform that supports Git repository management and project collaboration. It highlights the evolution from the Waterfall model to Agile and DevOps, emphasizing how CI/CD automates software building, testing, and deployment. The CI/CD pipeline is created in GitLab using a `.gitlab-ci.yml` file that defines stages like build, test, and deploy, with jobs executed by runners. The presentation includes a sample pipeline file and outlines GitLab's role in streamlining the software development lifecycle.

LATEST TRENDS WEB 3.0:

Sh Sukaksh Sidhpuri presenting on Apache Superset.

Sh Sukaksh Sidhpuri delivered a presentation on Web 3.0 . The presentation on Web 3.0 explores the next evolution of the internet, emphasizing decentralization, user empowerment, and the semantic web. Built on blockchain and advanced web technologies, Web 3.0 allows users to control their data and supports decentralized apps (dApps), regenerative finance (ReFi), DeFi, NFTs, and metaverse. These innovations promote transparency, inclusiveness, and immersive experiences. While offering transformative potential across industries, Web 3.0 also faces challenges related to data security and the need for regulatory frameworks. Ultimately, it aims to build a more equitable and user-driven digital world.

Technical News:



Sh.Sarvjeet Kumar, presenting the Technical News

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

- In July 2025, the global technology landscape was scrambling for AI talents as Meta, Demo and Open Architecture offered the best opportunities to attract top portfolios.
- After US engineered affront, Nvidia resumed selling its H20 AI chips to China, while Germany faced EU scrutiny, shifting its app store to the US.
- Goa launched AI Mission 2027 for governance. YouTube revises Indian app store.
- Meghraj Studios to ₹350 crore deal by NIC and Jio. Debate on Indian cuisine AI machine.
- Isomorphic Labs tests AI-designed drugs.
- Coin DCX loses \$44 million in crypto reserves.
- Secure video transferred to government email by NIC.

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 - Land digitization through 'My Deed', Jamabandi and Roznamacha in Himachal Pradesh.
 - eMARG 2.0 Pathshala organized virtually.
 - Virtual Rojgar Mela organized in Bilaspur.
 - Puducherry launches Kalyan Ration Portal.
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