



Government of India

Ministry of Electronics and information Technology

National Informatics Centre, Himachal Pradesh, Shimla

Technical Presentations by NIC HP Officials: 03-August-2024

As part of an ongoing series of 10-minute technical talks presented by NIC officials of their choice on a regular basis, the recent technical session held on 03-August-2024.

The details of the presenters, along with their topics are as follows:

S.No.	Name	Designation	Topic	Rating (5.0)
1.	Sh. Sanjay Kumar	Scientist-F	Will AI replace Web Developers	4.5
2.	Sh. Akhilesh Bharti	Scientist-F	Smart Home Technology	4.4
3.	Sh. Sanjay Gupta	Scientist-E	Service Plus	3.6
4.	Sh. Ajay Singh Chahal	SIO-Cum-Scientist-G	Group Presentation	4.8
5.	Sh. Prithvi Raj	Scientist-C	Technical News	3.8

Will AI replace Web Developers

Sh. Sanjay Kumar, Scientist-'F' gave a presentation on whether AI will replace Web Developers which explored the transformative impact of Artificial Intelligence (AI) on the field of web development. He began by highlighting the increasing role of AI across various sectors, including its influence on job markets and the rise of connected digital ecosystems.



Sh. Sanjay Kumar giving the Technical Talk on Will AI replace Web Developers

The discussion then focused on the specific advancements AI has brought to web development, such as automated code generation, smart content creation, and the development of intelligent chatbots and voice-based interactions.

The presentation addressed the growing concern over whether AI will replace web developers, questioning the relevance of coding skills and the ability of AI to replicate the human touch in web development. It acknowledges the significant progress AI has made but also outlines its limitations, including creativity, complex problem-solving, understanding human emotions, and trust and data protection.

The presentation emphasized the importance of using AI as a tool to enhance web development rather than a replacement for human developers. By delegating low-level tasks to AI, developers can focus on more innovative and user-centric projects, leading to a dynamic and ever-evolving web development landscape.

Smart Home Technology

Sh. Akhilesh Bharti, DIO Mandi provided an overview of Smart Home Technology, highlighting its various applications, benefits, and the underlying technology. He highlighted the convenience, energy efficiency, safety, and comfort that smart home technology offers. The presentation also touched upon the importance of cybersecurity, data privacy, and other precautions to consider when adopting smart home solutions.



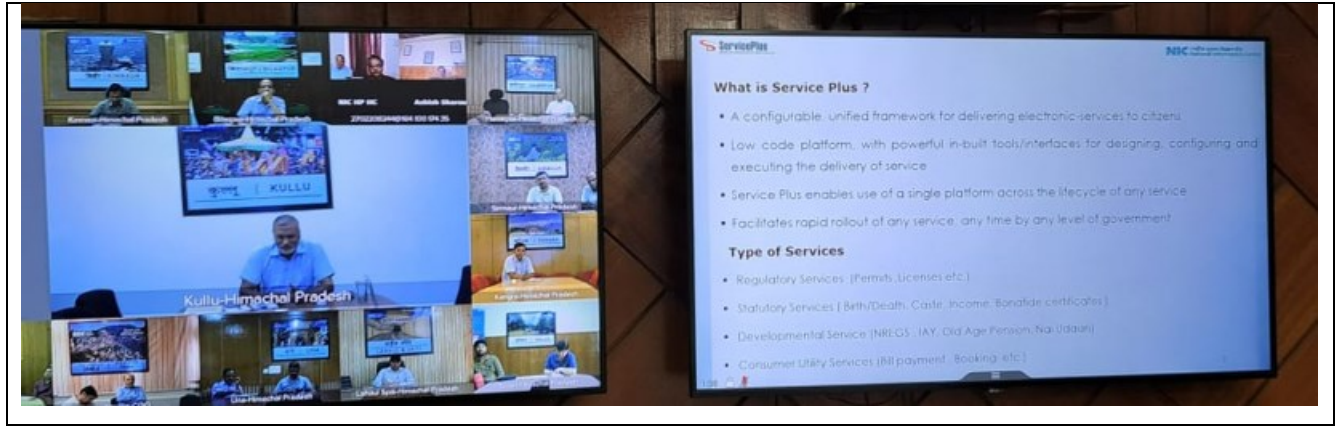
Sh. Akhilesh Bharti giving presentation on smart Home Technology

Smart home technology, also known as home automation, is the integration of technology to control and monitor various aspects of a home, including lighting, temperature, security, entertainment, and energy management. The advancement in sensors, control units, actuators, voice assistants, and smart devices has made it possible to automate and customize home environments for enhanced comfort and efficiency.

Service Plus

Sanjay Gupta delivered a presentation on Service Plus, which is a configurable, unified framework designed to deliver electronic services to citizens efficiently. The presentation highlighted the platform's low-code nature, its application across various service lifecycles, and its rapid deployment capabilities for government services. It outlined the types of services supported, salient features, components, languages, roles, tasks, actions, coverage,

gateways, advantages, and limitations of Service Plus. Service Plus employs a metadata/workflow-based e-service delivery system, reducing the need for coding and enabling rapid development. It integrates various tools for form design, document generation, process flows, and notifications, supporting multiple application submission modes and document management through DigiLocker. The platform also features multi-tenant architecture and integration with payment gateways and external systems.



Sh. Sanjay Gupta giving presentation on Service Plus

Group Presentation



SIO HP, giving the Group presentation on NIC HP

The State Informatics Officer, NIC HP delivered a group presentation on the administrative setup. He provided details on ongoing projects and current activities managed by NIC HP. He highlighted recent achievements, including the GEMS of Digital India 2024 awards for

two NIC HP projects and nominations for six CIPS Innovation Awards. He also discussed future plans, emphasizing the need to enhance cybersecurity.

Technical News



Sh. Prithvi Raj Negi giving the Technical News

Sh. Prithvi Raj Negi gave the fortnight technical news. He informed that there was a ransomware attack on a technology service provider that forced payment systems across nearly 300 small Indian local banks to shut down temporarily. A recent update to the CrowdStrike Falcon sensor caused major issues for Windows users worldwide. This update led to blue screen of death (BSOD) loops and making systems inoperable. Google developed an AI solution for flood forecasting system that gathers rainfall data from a range of sources, including weather forecasts models, satellites, and ground stations.

Quiz Competition on Mobile App

A quiz competition was also organized based on the technical presentations delivered by NIC Officials. A total of 34 officials participated in the quiz competition which was held on the Hindi Bodh Mobile App developed by NIC HP. 14 multiple-choice questions based on the technical content delivered by the officers were asked in the quiz competition.

The result of the quiz competition was as follows:

Position	Participant Name	Designation	Place of Posting
1 st	Sh. Mangal Singh	Scientist-D	NIC HP CGO Complex
2 nd	Sh. Sanjay Kumar	Scientist-F	NIC HP CGO Complex
3 rd	Sh. Prithvi Raj	Scientist-C	NIC HP State Centre



NIC HP officials attending the technical session

The SIO HP advised all officers to spend at least five minutes each day outlining their tasks for the day and planning future work.

All officials are requested to adhere to the timeline, Technical Talk should be strictly limited to 10 minutes, while Group Presentations and Technical News should each be kept to 5 minutes. All presentations must be completed within the allotted timeframe.

As agreed that the following NIC officials will present a technical talk on the topic of their choice during the upcoming meeting scheduled for coming working Saturday, 17-August-2024.

S.No.	Participant Name	Designation	Place of Posting
1.	Sh. Sanjay Sharma	Scientist-F	NIC HP State Centre
2.	Sh. Shailender Kaushal	Scientist-F	NIC HP State Centre
3.	Sh. Ashwani Kumar	Scientist-E	NIC Distt Centre Mandi

Additionally, Sh. Lalit Kapoor will deliver a Projects based presentation and 5-minute technical news update will be given by Sh. Mangal Singh on the day of the Technical Talk Session. After the presentation, 10 minutes will be allocated for discussions on the Technical Talk and the Technical News.

The following officials were present in the technical talk on 03-08-2024:

NIC HP State Centre		
1	Sh. Ajay Singh Chahal	SIO-Cum-Scientist-G
2	Sh. Lalit Kapoor	Scientist-F
3	Sh. Sanjay Kumar	Scientist-F
4	Sh. Sanjay Sharma	Scientist-F
5	Sh. Vijay Kumar Gupta	Scientist-F
6	Sh. Vimal Kumar Sharma	Scientist-F
7	Sh. Shailender Kaushal	Scientist-F
8	Sh. Sandeep Kumar	Scientist-E
9	Sh. Daljeet Singh Rana	Scientist-E
10	Sh. Sanjay Thakur	Scientist-E
11	Sh. Ashish Sharma	Scientist-D
12	Sh. Mangal Singh	Scientist-D
13	Sh. Sarvjeet Kumar	Scientist-C
14	Smt. Vandana Sankhayan	Scientist-C
15	Sh. Mukesh Kumar	Scientist-D
16	Sh. Prithvi Raj	Scientist-C
17	Sh. Chunni Lal	Scientist-C
18	Smt. Pooja Mann	Scientific/Technical Assistant-A
19	Sh. Himanshu Gupta	Steno Grade-III
District Centre Bilaspur		
20	Sh. Rakesh Kumar	Scientist-D
District Centre Hamirpur		
21	Sh. Anurag Gupta	Scientist-E
District Centre Kangra		
22	Sh. Akshay Mehta	Scientist-E
District Centre Kinnaur		
23	Sh. Balwan Singh	Scientist-D

District Centre Kullu		
24	Sh. Sanjay Gupta	Scientist-E
District Centre Lahual & Spiti		
25	Sh. Jagdeep	Scientific/Technical Assistant-A
District Centre Mandi		
26	Sh. Akhilesh Bharati	Scientist-E
27	Sh. Ashwani Kumar	Scientist-E
District Centre Shimla		
28	Sh. Pankaj Gupta	Scientist-F
29	Sh. Deepak Kumar	Scientist-C
District Centre Sirmour		
30	Sh. Vijay Kumar	Scientist-E
District Centre Solan		
31	Sh. Sanjeev Kumar	Scientist-C
32	Sh. Swetansh Shatak	Scientific/Technical Assistant-B
District Centre Una		
33	Sh. Sanjeev Kumar	Scientist-E
34	Sh. Bhupinder Singh	Scientist-D