MINISTRY OF
**ELECTRONICS &
INFORMATION TECHNOLOGY**
GOVERNMENT OF INDIA

Digital India
Power To Empower

NeGD
National e-Governance Division

Applications of
Artificial Intelligence &
Machine Learning (AI/ML)
in Managing Digital Public Goods (DPG)

A Capacity Building Programme under Digital India

Batch 1: 15-16 DEC, 2025 **Batch 2: 10-11 FEB, 2026**

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Programme Objectives

NeGD, in collaboration with IIT Kanpur (IITK), is offering a short-term training programme on Applications of AI/ML in Managing DPG. This program is designed to be accessible to a diverse set of officers affiliated with NeGD who are interested in understanding the use of AI/ML in managing DPG across all levels including

- Policy level: who are responsible for conceptualizing a project and take critical decision making in a project.
- Program management level/Mid-level: who are responsible to design, implement (partially), manage, monitor projects.
- Executive level: who are responsible to execute and operationalize the project.

The major objective of the course is to provide an overview of the recent advancements in AI/ML and their implications for public policy and managing DPG. During the program, the participants will also be able to develop hands-on experience in applying some of the AI/ML models to selected real-life case studies.

Programme Coverage & Structure

The program starts with a brief introduction to the history of AI/ML and its application in different areas including academic research, industry, public administration and judicial processes etc. We will cover the basics of AI/ML model development using hands-on real-life case studies. We also touch upon the potential of AI/ML in various DPG platforms and the path ahead to address the emerging challenges. The course will conclude by providing a global perspective on AI/ML, covering a wide range of issues, including regulations, the development of a responsible AI ecosystem, user privacy, and potential threats.

The Accommodation & Programme details

All participants will be provided with a single occupancy, AC room, and accommodation on IITK campus during the training period. The teaching sessions will be held in IITK Outreach Auditorium, that is equipped with modren state-of-the-art teaching facilities. The hands-on data analytics and case study exercises will be conducted in IITK Windows labs.

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Programme Faculty

Prof. Shankar Prawesh

Dr. Shankar works in the area of AI/ML, recommender systems, and algorithm design. He earned his integrated master's (BS-MS) degree in Mathematics and Scientific Computing from IIT Kanpur and his Ph.D. in Management Information Systems (MIS) from the University of South Florida. Shankar joined IIT Kanpur in 2014 after a brief stint as a postdoctoral researcher at Robert H. Smith School of Business, University of Maryland, College Park. He has conducted many executive programs on big data and AI/ML and worked on sponsored research projects at leading manufacturing and air travel industries. He is also working on a DST-funded project to model pedestrian behavior for crowd management. His work has appeared at leading management and computer science outlets. He has been cited as one of the prolific researchers in news recommendations.

https://sites.google.com/view/sprawesh/home

Prof. BV Rathish

Dr. Rathish is a professor (HAG) at the department of Mathematics and Statistics, IIT Kanpur. He specializes in the area of applied mathematics, simulation, parallel numerical algorithms, AI/ML methods and bio-fluid mechanics. He has held various positions including Pradip Sindu Chair Professorship and Fellow of National Academy of Sciences (FNASC).
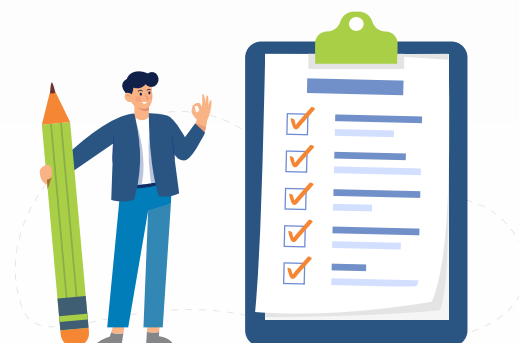
https://www.iitk.ac.in/new/rathish-kumar-b-v

Andragogy

The program will be a combination of lecture sessions, storytelling using AI/ML case studies, hands-on lab exercises and group discussions. Leading experts from industry and MeitY will also offer their domain specific insights related to the applications of AI/ML in managing DPG projects.

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Eligibility for participation

The program is designed for a diverse set of officers who are interested in understanding the application of AI/ML in managing Digital Public Goods (DPG). It caters to officers across all levels, including policy-level officers responsible for project conceptualization and critical decision-making; mid-level officers engaged in the design, partial implementation, management, and monitoring of projects; and executive-level officers responsible for executing and operationalizing project activities.

Nomination Process

Interested candidates may apply online by visiting https://tmis2.negd.in/

• Only acceptable applications are through online registration and accompanying nomination letters from competent authorities.

• Nominations will be made based on the eligibility and suitability of candidates.

Note: The confirmation of participation and details of venue and any related changes will only be communicated to the registered email ID and contact number. Please use your official and active email ID and contact number while registering online

Last date for submission of nominations-

**Batch 1 - Nov 15, 2025
Batch 2 - Jan 10, 2026**

For further details on programme, please contact:

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