

**File No. 13020/1/2022-IES**  
**Government of India**  
**Ministry of Finance**  
**Department of Economic Affairs**  
**(IES Cadre)**

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Room No. 59, North Block,  
New Delhi, Dated: 19.01.2023

**OFFICE MEMORANDUM**

**Subject: Inviting applications for participation in the In-service training programmes on “Digital Transformation in Governance and Public Policy” with Indian Institute of Technology (IIT), Kharagpur to be held from 13<sup>th</sup> – 17<sup>th</sup> February 2023.**

IES Cadre being the Cadre Controlling Authority of Indian Economic Service (IES) is conducting an In-service training programme on “Digital Transformation in Governance and Public Policy” with Indian Institute of Technology (IIT), Kharagpur to be held from 13<sup>th</sup> – 17<sup>th</sup> February 2023.

2. The five-day Programme on Digital Transformation in Governance and Public Policy is aimed at equipping the participants with key concepts of digital transformation such as Internet of Things, Cloud Business, Blockchain in Governance and application of AIML in public governance.
3. IES Cadre will bear the tuition fee and the cost of accommodation. However, TA/DA, as applicable to selected officers, will have to be borne by the concerned Ministry/Department/Organization where the officers are posted.
4. Batch strength for the aforementioned course is 15 officers and the applications received from the officers would be evaluated on the basis of the relevance of the course to officers and their performance in present/past postings prior to final selection for undertaking the training. Administration/Establishment Division of the participating Ministries/ Departments/ Organizations may forward the application of interested officers in the **prescribed format (Annexure-I)** to the undersigned (Room No. 59, IES Cadre, Department of Economic Affairs, North Block, New Delhi) in physical form or via e-mail at [sushma.yadav2018@gov.in](mailto:sushma.yadav2018@gov.in) **latest by 30.01.2023.**
5. This issues with approval of the Competent Authority.

*Encl.: Course Brochure*

*Sushma Yadav*  
(Sushma Yadav)  
Deputy Director (IES)  
Tele: 23095219

**Application Form**

1. Name of the applicant (Dr./Mr./Ms.):
2. Batch/Year of entry into IES:
3. Training Programme (organized by IES Cadre) attended in the last two years (list below):
4. Last training attended by the instant institute:
5. Ministry/Department where currently working:
6. Designation:
7. Relieving Authority (Name & Designation):
8. Mailing Address:
  - (i) Office
  - (ii) E-mail
9. Telephone No.
  - (i) Office..... (iii) Mobile.....
10. Relevance of course to the Officer:

## **Short Term Course**

**On**

# **Digital Transformation in Governance and Public Policy: IoT, Cloud, Industry 4.0, Blockchain, AIML and Digital Communication**

**Dates: 13th-17th February, 2023    Venue- IIT Kharagpur Campus**



**To be Organized**

**by**



**Vinod Gupta School of Management  
Indian Institute of Technology Kharagpur  
Kharagpur 721302  
INDIA**

## **INTRODUCTION**

With the advancement of computational technology, digital transformation has become an inevitable part of governance and public policy. For gaining better performance through data driven decision making, tools and concepts such as IoT, Cloud, Industry 4.0, Blockchain and AIML has become inevitable skillset that every public-policy officer, at least at a basic level. The amalgamation of these key concepts leads to success in the better governance and economic development. In this program, we help the executives to connect these dots to ensure that they become digitally literate. The program helps future leaders to be technology ready.

## **OBJECTIVES OF THIS COURSE**

- This programme will teach the participants about the key concepts of digital transformation in public policy and governance
- It will also teach the participants how the digital tools can be used in business
- The programme will help the participants use the acquired skills in solving assignments and case studies.

## **KEY FEATURES**

- Learn from IIT Kharagpur faculty and industry leaders
- 20 hours interactive training (4 hours each on 5 days)
- Certificate from VGSOM and IIT Kharagpur, Continuing Education Program

## **COURSE CONTENTS (Tentative)**

<b>SLNO</b>	<b>Topics</b>	<b>Teaching Sessions</b>	<b>Suggested Dates</b>
1	Introduction to Digital Transformation: Its role in public policy and governance	2 hr	Day 1 (10am-12pm)
2	Introduction to Industry 4.0	2 hrs	Day 1 (2pm to 4pm)
	Quiz 1	0.5 hrs	Day 1 (4:30pm to 5pm)
3	Key knowledge about Internet of Things: Evolution, Adoption, Business Models, Pricing and Key Technologies	4 hrs	Day 2 (10am-12pm and 2pm-4pm)
	Quiz 2	0.5 hrs	Day 2 (4:30pm to 5pm)
4	What is cloud business? Why, when, and how of Cloud?	4 hrs	Day 3 (10am-12pm and 2pm-4pm)
	Quiz 3	0.5 hrs	Day 3 (4:30pm to 5pm)
5	Block-chain in Governance	2 hrs	Day 4 (10am-12pm)
6	AIML and its application in public policy and governance	2 hrs	Day 4 (10am-12pm)
	Quiz 4	0.5 hrs	Day 4 (4:30pm to 5pm)
7	Public Policy and Governance Communication in Digital Age	2 hrs	Day 5 (2pm to 4pm)
8	Capstone Group Project Presentation	2 hrs	Day 5 (10am-12pm)

## **PEDAGOGY**

The methods consist of lecture sessions, hands-on-exercises, discussion on cases and live problems.

Academicians with proven knowledge, Industrial experience, and demonstrable and related areas will deliver lectures and analyze case studies.

## **FACULTY MEMBERS**

### **Prof Pradip Kumar Ray**

Professor Pradip Kumar Ray is the Adviser of Vinod Gupta School of Management, IIT Kharagpur and a professor at the Department of Industrial and Systems Engineering of Indian Institute of Technology (IIT), Kharagpur, India. His research interests include Productivity Management/Modeling and Analysis of Manufacturing and Service Organizations, Quality Design and Control, Total Quality Management, Process Optimization, Ergonomics/Human Factors Engineering, Safety Engineering, Modelling and Analysis of Healthcare Management Systems, and Industrial/Production System Sustainability.

### **Dr. Swagato Chatterjee**

Dr. Swagato Chatterjee, an IIT-IIM alumni, has a rich client base for MDP and consultancy projects on analytics: Ernst & Young, Yes Bank, CSC, Namura, Mitsubishi, Toyota, GE, Times of India, Coca-cola, Indian Oil, BEL, NTPC, HPCL, Philips, Piramal, RPG Group etc. He brings in a mixture of industry experience and academic knowledge in the class to cater to audience of different seniority levels.

### **Dr. Saini Das**

Dr. Saini Das has served as a faculty member at IIM Indore for three years before joining IIT Kharagpur. She also worked as a software engineer at Infosys Technologies Ltd. prior to her PhD. Her major teaching interests and competencies are in the areas of business analytics, information security risk management in networks, management information systems (MIS), e-commerce technology & applications, data privacy and digital piracy. Prof. Das has taught in many management development programs across industries. She has authored papers in many national and international journals of repute

### **Prof. Surojit Mookherjee**

Prof. Mookherjee's experience includes 15 yrs of industrial research, manufacturing, operations, joint venture set up in the field of metal cutting tool and powder metallurgy. Post his industrial stint, he migrated to SAP project implementation and management, Business consulting, IT Outsourcing, Program management and IT Service sales for global clients. During this period of 18 years, he worked with Pricewaterhouse Coopers and IBM India.

### **Dr. Biswarup Ghosh**

Biswarup Ghosh teaches Marketing Management, International Marketing & Strategic Marketing courses at VGSOM. He has more than 30+ years Healthcare Industry experience & worked as Head of Healthcare at Linde India Ltd (Part of Linde Group, Germany), Director South East Asia at STERIS India Ltd (wholly owned subsidiary of STERIS Corporation USA), General Manager -Marketing at DatexOhmeda (Part of GE Healthcare USA), Zonal Business Head at BOC India Ltd (Part of BOC Plc. UK ). He has extensive industry experience on General Management, Establishing Indian entity of large US MNC, Managing P & L of large Healthcare Business of India & Indian Subcontinent, International Marketing exposure in Singapore, Thailand & Malaysia markets. He did his PhD in Plasma Physics & MBA from VGSOM, IIT Kharagpur