Short Term Course

On

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

Date: Weekends only 2nd-17th Jan 2021| Venue- Online

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
- Certificate from VGSOM and IIT Kharagpur, Continuing Education Program

COURSE CONTENTS

SLNO	Topics	Teaching Sessions
2nd January 2021 (10am – 12pm)		
1	Introduction to Digital Transformation: Its role in public policy and governance	2 hr
2nd January 2021 (3pm-5pm)		
2	Introduction to Industry 4.0	2 hrs
3rd January 2021 (10am – 12pm and 3pm-5pm)		
3	Key knowledge about Internet of Things: Evolution, Adoption, Business Models, Pricing and Key Technologies	4 hrs
9th January 2021 (10am – 12pm and 3pm-5pm)		
4	What is cloud business? Why, when, and how of Cloud?	4 hrs
10th January 2021 (10am-12pm)		
5	Block-chain in Governance	2 hrs
16th January 2021 (10am – 12pm)		
6	AIML and its application in public policy and governance	2 hrs
16th January 2021 (3pm – 5pm)		
7	Public Policy and Governance Communication in Digital Age	2 hrs
17th January 2021 (10am – 12pm)		
8	Capstone Group Project Presentation	2 hrs

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.

4 Online quiz will be taken on the course, marks will be given based on individual performance in the quiz and the final performance in the group presentation

TARGET PARTICIPANTS

Officers of Indian Economic Services

FACULTY MEMBERS

Prof Pradip Kumar Ray

Professor Pradip Kumar Ray is the Dean 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 Mukherjee

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

COURSE COORDINATORS AND ADDRESS FOR COMMUNICATION

Course coordinator

Dr. Swagato Chatterjee
Assistant Professor (Marketing and Analytics)
Vinod Gupta School of Management,
Indian Institute of Technology Kharagpur
Kharagpur, West Bengal, India-712302
Tel: 03222-283870, +91-9343931795(M)
Email: swagato@vgsom.iitkgp.ac.in