

## Curriculum Vitae (CV)

Dr. D.N. Gupta, Ph.D. (Public Policy). (E-mail: dngupta1966@gmail.com).

Adjunct Professor, School of Natural Sciences and Engineering, NIAS.

Area: Complexity Science

Holds engineering degree from IIT Roorkee (1987) and Ph.D. from IIT Delhi (2012). In Ph.D. program, applied System Approach and System Dynamics Modelling to determine Public Policy in the Renewable Energy sector. Retired from Indian Administrative Service (IAS) and held various positions in the Government for Policymaking and Program Implementation. Has experience working in key domain areas like Renewable Energy; Institution Building for Sustainable Development; Policy Design; Quality in Public Service Delivery; Urban Infrastructure Management; Smart City; E-Governance; R&D, Technology Transfer, and Technology Management; and Promotion of Innovation.

### ***Areas of specialization***

Policy Research; Complexity Science for Public Policy, Economy, and Business; System Approach and System Dynamics Modelling; Renewable Energy; Sustainable Development; Behavioral Approach in Public Policy; Institutional Development; Innovative approaches in Public Policy and Governance; Quality Public Service System Design; and Policy Design.

***Publications:*** Published several books and articles.

#### *Publication of books (based on research)*

- *E-Governance: A Comprehensive Framework (Business Process Reengineering, Organizational Development, Change Management)* by New Century Publications, New Delhi, 2008.
- *Decentralization (in search of Good Governance): Need for Reforms: HRD, Institution Building, Development Policies* by Concept Publishing House, New Delhi, 2004.

- *Integrated Development Planning at District, Block and GP Levels (Institutional Framework, Methodology for Micro-level Planning and Convergence of Resources and Services)* by Books India International, New Delhi, 2003
- *Rural Development System, Policy Issues, Institutional Development, and Management of Rural Development* by Books India International, New Delhi, 2000.

#### *Select published articles*

- *The economic reforms — looking back to look ahead: The fundamentals need to be set right with a focus on human capital, technology readiness and productivity*, Hindu Newspaper, 8<sup>th</sup> September 2022.
- *Quality Management System and Accreditation for Education: A Case Study of Schools of Municipal Corporation of Delhi (MCD)* in Service Quality Journal, LBSNAA, Mussoorie, 2012.
- *Innovations in e-Governance: Concept to Solutions, Strategies & Framework*, Proceedings of National Conference on e-Governance Program (NeGP), 2011.
- *Institutional Reforms and Expenditure Efficiency*, Economic Times, New Delhi, Vol. 40, of 6<sup>th</sup> November 2003.
- *HRD Central to the Decentralization Process*, Economic Times, New Delhi, Vol. 40, of 6<sup>th</sup> March 2000.
- *Need for Effective Policy of Sustainable Technology for Development of Rural Areas*, Journal of Rural Development Vol.17 (3), National Institute of Rural Development (NIRD), Hyderabad, 1998.
- *Public Distribution System - Involvement of Institutions*, Journal of Rural Development, Vol.15 (2), National Institute of Rural Development (NIRD), Hyderabad, 1996.

#### *Unpublished book and articles*

- *Innovation and Institutional Development for Public Policy: Complexity Theory Framework* by Springer Publication (forthcoming). (Book)
- *System Dynamics Modelling for Policy Options for Renewable Energy: An Innovative Application for Biomass Electricity System* (under consideration for publication). (Article).

- *Complexity Economics – Alternative Paradigm* (under consideration for publication) (Article).

***Policymaking and implementation of programs in the government*** (1989-2018)

*Planning and innovation*

- Appraisal of Programs and Projects
- Policy and Implementation of Millennium Development Goals (MDGs)
- Promotion of Innovation

*Science & Technology (S&T)*

- Policy on Renewable Energy and Strategic Management of Programs
- Implementation of Solar Energy Project (in 2012) (lowest unit electricity price of Rs 7 in 2012 through bidding process)
- Policy on Science & Technology, R&D, and Innovation
- Promoting Innovation (culture, leadership, incubation center, and business model innovation)

*Information Technology*

- Policymaking and Implementation of Programs of e-Governance;
- E-Governance Project Management: from Conceptualization to Solution Architecture to Project Design to Implementation and Citizen Management

*Housing and Urban Development (H&UD)*

- Responsible for Urban Planning & Management; Policymaking of Urban Infrastructure; Performance Management; GIS and Infrastructure Management; e-Governance in Municipal Corporation.

*District-Level Postings for Program Implementation*

- *Domain areas:* Public Services, Natural Resource Management (NRM).
- *Key functional areas:* Participatory Planning, Implementation, and Monitoring of Programs; Micro-level Planning and Watershed Management; and Management of Public Services.

*Participation in important National and International Conferences:* Paper Presentation on: E-Governance Policies and Strategies, ITBiz, Bangalore, India, November 2010; Paper Presentation on: Governance Framework for Energy Management and

Sustainable Development, Clean Tech Forum, Lyon, France, September 2009; Paper Presentation on: BPR for e-Governance in the National e-Governance Conference, Goa, India, February 2009; Paper Presentation on: Creativity and Innovation in Government, Faculty of Management Study (FMS), Delhi University, New Delhi, February 2009.

### ***Experience in working on projects of international agencies***

International Fund for Agricultural Development (IFAD) for Sustainable Development; UNICEF Project on Micro-level Planning; and UNDP Project on Decentralization in India.

### ***Research and academic work***

- Research Project on Framework for e-Governance; and Action Research on Quality in Public Services (Primary Education, Health)
- Action Research Projects on Citizen-centric e-Governance Framework; Quality Management of Public Services (Primary Education, Health)
- Geographical Information System (GIS) for Micro-planning & Urban Infrastructure Planning and Management
- Training Programs on: Quality in Public Services, Assessment of Quality in Governance, and e-Governance Project Management

Experience in organizing management development programs (MDPs) on Public Policy Management; Quality Management of Public Services; E-Governance Project Management; Creativity and Innovation; Performance Management System; and Creative Problem Solving (CPS) and Innovation.