



POST GRADUATE DIPLOMA IN e-GOVERNANCE

PROSPECTUS

In 2009, IIITM-K launched a Post-graduate Diploma in e-Governance (PGDeG) to fulfill its mission to mould leaders in the areas of science, technology and management. PGDeG was directed at employees of government departments, public sector undertakings and organisations providing IT services to government bodies. The programme supported by the Government of Kerala, aims to develop professionals with a holistic view of e-governance. Those who obtain this post graduate diploma will acquire the skills, knowledge, perspective and leadership qualities needed to orchestrate complex e-governance projects in a systematic and disciplined manner. This post graduate diploma programme, an initiative of IIITM-K and the Institute of Management in Government (IMG), is a well-conceived response to address the Capacity Building in the area of e-Governance. The Government of Kerala proposed this programme based on the recommendation of the Administrative Reforms Commission, to mould trained professionals to implement and manage e-Governance projects in a disciplined manner.

The programme will also go a long way in addressing the growing need of the leading IT companies and multinational consultants, who are looking to harness the latest information and communication technologies to transform themselves and align their services with the changing needs of citizens and stakeholders. This need will translate into increased levels of activity in the area of e-governance.

This year, post graduate diploma programme is open to government officials from other states as well as to candidates from across the nation. The participants will receive a quality education that incorporates state-of-the-art technology with sound management techniques, and our post graduate diploma will place them in a different league, both personally and professionally.

About the Institutions

IIITM-K

Indian Institute of Information Technology and Management-Kerala (IIITM-K) is a unique autonomous premier educational institution established by the Government of Kerala in the year 2000, as a national center of excellence in higher education in Information Technology. The institute mainly focuses in capacity building at advanced levels of Informatics and IT allied areas for meeting the emerging requirements of knowledge driven economy and society.

Academic Programs at IIITM-K

- MSc Programmes in Cyber Security, Machine Intelligence, Data Analytics and Geospatial Analytics
- M.Phil Programmes in Computer Science and Ecological Informatics
- Doctoral programmes



e-Governance Projects by IIITM-K

IIITM-K has conceptualized, designed and implemented various e-Governance projects for State and Central Government organisations. State Planning Board, Agriculture, Animal Husbandry departments, ICAR, Land Use Board, Rubber Board are some of the government projects implemented by IIITM-K. IIITM-K also provides consultancy services to various government departments.

IMG

IMG is the apex training institute in the State established in 1981 to develop managerial skills, organisational ability, leadership qualities and decision making skills among different categories of employees of Government, Private and Public Sectors.

About the PGDeG Programme

In the present age of rising aspirations and expectations of people, the thrust of the Governments all over the world has been to provide good governance for peace, prosperity, growth and dignified life to its citizens.

In India, the National e-Governance Plan (NeGP) envisioned to make all Government services accessible to the common man in his locality and to ensure efficiency, transparency & reliability of such services at affordable costs to realise the basic needs of the common man.

"Digital India" the flagship programme of Government of India to transform India into a digitally empowered society and knowledge economy has transformed the way the citizens and business transact with the Government.

The Governments at the central and state levels envisage "e-Governance of the Future" by adopting disruptive technologies in Government. This requires capacity building in Government, both to design and implement future Governance. The PGDeG curriculum is designed from the conceptual building blocks of e-Governance to the usage and adoption of disruptive technologies for Government.

Salient Features of the Programme

- Curriculum is designed carefully by eminent academicians, senior officials from Government and IT industry, covering basic and advanced levels of relevant fields.
- Faculty members are drawn from leading organizations and academic institutions, who are experts in the subject.
- Study tours for the participants to familiarise with e-Governance projects in other states.
- Live Exposure to Core IT Infrastructure and Mission Mode Projects
- Hands on experience on designing and procurement of e-Governance projects through the State Nodal Agency - Kerala State IT Mission.

- Hands on experience on department demand mapping to Startups
- Participants have to develop Case studies in e-Governance
- Supported with Learning Management System, Digital Library, Multimedia based video lectures, and other collaboration tools to enhance the quality of teaching and learning.
- Students are provided with 24 x 7 lab with high-end network infrastructure, high speed internet bandwidth and quality software services
- Wi-Fi campus with high-end computing infrastructure.

Employment Opportunities in e-Governance for Open Candidates

Governments at the Central and State levels are on the processes of planning and implementing Digital Transformation projects. Indian IT Industry plays a major role in consulting and implementation of these projects. The candidates with knowledge and skill sets in e-Governance could find promising opportunities in Industry and Implementation Agencies.

Admission Process

▶ Eligibility

Entry-level requirement for the programme is a Bachelors degree in any discipline with working knowledge of computer systems. Diploma / Certification in computer application will be an added advantage. Preference will be given to B.Tech / MBA / MCA degree holders.

▶ Category of Students

The total intake of the programme is 45 of which 20 are from open quota, 15 are reserved for Kerala Government officials and 10 for sponsored candidates from other governments. Open category SC and ST applicants will be eligible for reservation as per Government Rules.

Selection Process

▶ Kerala Government Departments

- Kerala Government Departments can nominate maximum three candidates to the Director Kerala State IT Mission
- Age limit is 45 years as on 01st January, 2019.
- Departmental Candidates are first short listed based on their profiles and final selection is made through test and interview.
- The department shall forward the NOC for deputation for one year

▶ Sponsored Category

Central Government, other State Governments, Public Sector Undertakings and Private Organisations could sponsor their employees through proper channel.



Open Category

Eligible candidates from open category are selected through competitive entrance examination followed by an interview.

Certification

Post Graduate Diploma in e-Governance (PGDeG) is awarded by Directorate of Technical Education, Government of Kerala.

Faculty

All the core and visiting faculty members of the programme have been carefully chosen from Academia, Industry and the Government based on their relevant experience, commitment and instructional ability so that the students are exposed to the best learning environment. Besides this, the Institute has several competent senior academic and technical staff with considerable experience in the design, development and management of ICT and e-Governance projects also supports the academic and training programmes

Programme Fee

- Government of Kerala Employees – Sponsored by the Government
- Open, Sponsored by Industry / PSU and other Government candidates:
Rs. 1,00,000/-

Syllabus

Core Courses

SEMESTER-I

1. Introduction to Information Technology
2. Information Security
3. Software Engineering and Enterprise Architecture
4. Introduction to e-Governance and Digital Transformation
5. Research Methodology and Analytics in Government
6. Principles of Information System Management
7. Service Delivery Improvement & Government Process Re-engineering
8. e-Governance Project Management

SEMESTER-II

1. Transactional Services
2. Financial Management and Policy Framework for e-Governance
3. Designing of e-Governance Projects and Public Private Partnership
4. Recent Developments in Technology and Governance



Elective Courses

SEMESTER-I

1. Systems and Network Administration
2. Advance Cyber Security
3. Problem Solving and Principles of Programming
4. Introduction to Full Stack

SEMESTER-II

5. Geo-spatial Technology Applications
 6. e-Governance Standards and Frameworks
 7. Big Data Analytics and Business Intelligence in Government
 8. Digital Marketing, Citizen Engagement and Social Media Optimization
Internship / Project
1. Two weeks Study Tour to learn Other States' e-Governance Projects at the end of first semester
 2. Two weeks case study on e-Governance project design and procurement (Preparation of DPR, RFP, Evaluation of Bids, etc) in second semester
 3. Two months internship on live projects in second semester

Non-credit Courses

- Soft skills
- Leadership skills
- Innovation in Government
- Internationally Recognized Certifications
- Case Study Development

How to Apply

Applications of Kerala Government Departmental candidates have to be nominated through proper channel to:

The Director Kerala State IT Mission, ICT Campus, Vellayambalam, Thiruvananthapuram - 695033

All other category candidates have to submit the Application to:

The Director, Indian Institute of Information Technology and Management - Kerala, IIITM-K Building, Technopark Campus, Karyavattom PO, Thiruvananthapuram - 695581

website: <https://www.iiitmk.ac.in/pgdeg/>

Programme Coordinator - jayachandran@iiitmk.ac.in Mob: 9846229300

Last date of Receiving Application

1. Govt. of Kerala candidates: 10 April 2019 at KSITM
2. Open, other Govt. and Sponsored candidates: 18 May 2019 at IIITM-K

Upcoming campus at Technocity