

**Nepal Open University**  
Manbhawan, Lalitpur, Nepal  
**Faculty of Science, Health and Technology**  
**Master in e-Governance**

**1. Course Overview:**

The Master in e-Governance degree program broadly focuses on the use of information and communication technologies (ICTs) to better deliver services to service seekers and democracy practices to governance. Electronic Governance seeks to transform public service delivery and citizens' participation in government decision processes for both social and economic benefits. The program also seeks to analyze and describe the linkages between government, the business world and civil society and their use of the internet and other digital devices to facilitate effective decision-making. This program will consider the historical, institutional, legal, organizational, functional, policy, and theoretical issues that are critical to public administrators, scholars and practitioners of information and communication technologies (ICTs) as they manage in the new economy.

**2. Course objectives:**

This course has the following objectives:

- Prepare dedicated IT leader for the ICT enabled development of Nepal with global perspective.
- Build skill full HR with problem solving, critical analyzing and software and application development planning capabilities to the government.
- Produce the IT manager with people skill who can successfully manage IT professional great understanding.

**3. Eligibility:**

The minimum qualification required to apply for the program as follows:

- A minimum Bachelor degree in IT related discipline with equivalent with concern authorities.
- Bachelor Degree in any discipline and 2 year proved working experience on e-Government or IT or corporate governance.

**4. Duration:**

This program is divided into 4 semester (Twenty Four months).

- **Semester - I**
    - Five courses × 3 credit = 15 Credit
  - **Semester – II**
    - Five courses × 3 credit = 15 Credit
  - **Semester – III**
    - Four courses × 3 credit = 12 Credit
    - Research Project = 3 Credit
  - **Semester – IV**
    - Two Compulsory Courses × 3 credit = 6 Credit
    - One elective Course × 3 credit = 3 Credit
    - Thesis / Dissertation = 9 Credit
- Total Credit = 63 Credit hours**

## 5. Courses

### First Semester

S.N.	Course Code	Subject	Credit Hours
1	EGVN – 501	E-Governance Principles and Practices	3 cr
2	EGVN – 502	Digital Economy and e-governance for development	3 cr
3	EGVN – 503	Legal and Ethical Issues in e-Governance	3 cr
4	EGVN – 504	Communication Skill for e-Governance	3 cr
5	EGVN – 505	Programming Concepts and Techniques	3 cr

### Second Semester

S.N.	Course Code	Subject	Credit Hours
1	EGVN – 551	Database Management Systems	3 cr
2	EGVN – 552	Organization Behavior and Human Resource Management	3 cr
3	EGVN – 553	IT Governance	3 cr
4	EGVN – 554	Information Systems	3 cr
5	EGVN – 555	Object Oriented Programming	3 cr

### Third Semester

S.N.	Course Code	Subject	Credit Hours
1	EGVN – 601	Web Technology	3 cr
2	EGVN – 602	Research Methodology	3 cr
3	EGVN – 603	Technology Management	3 cr
4	EGVN – 604	Software Engineering and Project Management	3 cr
5	EGVN – 605	Research Project	3 cr

### Fourth Semester

S.N.	Course Code	Subject	Credit Hours
1	EGVN – 651	Network and Infrastructure Management	3 cr
2	EGVN – 652	Information System Audit	3 cr
3	EGVN – 699	Thesis / Dissertation	9 cr
<b>List of Electives (Anyone from following)</b>			
4	EGVN – 653	Cloud Computing	3 cr
5	EGVN – 654	Cyber Security Management	3 cr
6	EGVN – 655	GIS and Remote Sensing	3 cr
7	EGVN – 656	Artificial Intelligence	3 cr
8	EGVN – 657	Knowledge Management	3 cr