### Program Name: Masters in e-Governance  
**Level:** Masters  
**Duration:** 2 years (Semester system)

**Eligibility:**
Candidates with the following qualifications are eligible for entrance Test Examination:
- A minimum Bachelor’s degree in IT with II division related discipline or equivalent qualifications from a recognized University/Institute.
- Bachelor’s degree in any discipline and 2 year proved working experience on e-Government or IT or corporate governance.

<table>
<thead>
<tr>
<th>Full Marks:</th>
<th>100</th>
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<tbody>
<tr>
<td>Numbers of Questions (Objective Based) no negative marking system:</td>
<td>100</td>
</tr>
<tr>
<td>Durations of Examination:</td>
<td>2 Hours</td>
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</tbody>
</table>

**Courses Coverage for Entrance Examination**

**Information and Communication Technology (25)**
- Basic Knowledge of e-Governance
- Fundamental of IT
- Word Processor, Spreadsheet and Presentation application
- Concept of Network, Internet and Email
- Basic Security on Computer system
- Recent Development of ICT

50%

**General Knowledge (10) + Mathematics (15)**
- Basic intelligence quotient
- Knowledge of Governance system in Nepal
- Basic Mathematics.

25%

**Communication skill (25)**
- Basic of grammar in English language
- Basic Writing Skill in English language
- Basic Vocabulary

25%

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### Program Name: MPhil in Information and Communication Technology (MPhil in ICT)

**Eligibility:** Master’s degree in IT or IT related subjects or equivalent qualifications from a recognized University/Institute.

<table>
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<tr>
<th>Full Marks:</th>
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</tr>
</tbody>
</table>

**Courses Cover:**

**Programming Concept and Programming Logic (25)**
- Variables and constraint.
- Condition and loop concept.
- Array, structure and pointer.
- Stack, Ques and List.
- Sort, search and Tree.

25%
**Database (15) + Information System (10)**
- Concept of Database and Models
- Relational Database, Relational Algebra and Normalization.
- Basic SQL
- Concept of Distributed Database
- File and Index
- Transactional Processing, concurrency control and recovery
- Software Development Life Cycle
- Requirement Analysis
- Software Testing.

**Computer Network and Architecture (25)**
- Communication Media and Network Architecture
- OSI and TCP/IP
- Network Security
- IPv4
- Modulation Techniques
- Switching Techniques
- Boolean Algebra
- Fundamental of processor
- Memory Organization
- I/O Structure

**Concept of Research (25)**
(Research Methodology)
- Foundation of Research
- Problem Identification & Formulation
- Research Design/Architecture
- Qualitative and Quantitative Research
- Data Analysis
- Interpretation of Data and Proposal Writing
- Research Tools