**Course Name: Cyber Law & Professional Ethics (3 Cr.)**
**Course Code: CACS401**
**Year/Semester: IV/VII**
**Class Load: 4 Hrs. / Week (Theory: 3Hrs. Tutorial: 1 Hrs.)**

**Course Description:**
This course presents different concepts of cyber law, cybersecurity, and ethics for IT professionals and IT Organizations. This course also presents different concepts related to intellectual properties and their protections, privacy, and social networking issues.

**Course Objectives:**
The primary objective of this course is to provide knowledge of cyber law, cybersecurity, privacy protection, intellectual property protection, and ethics for IT professionals and IT organizations.

**Course Contents:**
**Unit 1: An Overview of Ethics, Ethics for IT Workers and IT Users (10 Hrs.)**
Ethics, Ethics in the Business World; Corporate Social Responsibility; Fostering Corporate Social Responsibility and Good Business Ethics; Improving Business Ethics; Ethical Considerations in Decision Making; Ethics in Information Technology; Managing IT Worker Relationship; Encouraging Professionalism of IT Workers – Professional Codes of Ethics, Professional Organizations, Certifications and Licensing ; Encouraging Ethical Use of IT Resources among Users

**Unit 2: Cyberattacks, Cybersecurity, and Cyber Law (12 Hrs.)**
Threat Landscape – Computer Incidents, Types of Exploits; CIA Security Triad – Confidentiality, Integrity, Availability, Implementing CIA at Organizational, Network, Application, and End-User Level; Response to Cyberattack - Incident Notification Protection of Evidence and Activity Logs Incident Containment Eradication Incident Follow-Up Using an MSSP, and Computer Forensics; Cyber Law; Provision of Cyber Law and Electronic Transaction Act of Nepal

**Unit 3: Privacy and Freedom of Expression (10 Hrs.)**
Privacy Protection and the Law - Information Privacy, Privacy Laws, Applications, and Court Rulings; Key Privacy and Anonymity Issues - Consumer Profiling, Electronic Discovery, Workplace Monitoring, Surveillance; First Amendment Rights; Freedom Expressions: Key Issues; Social Networking Ethical Issues

**Unit 4: Intellectual Property (8 Hrs.)**
Intellectual Property, Copyright; Patient; Trade Secrets; Intellectual Property Issues: Plagiarism, Reverse Engineering, Open Source Code, Competitive Intelligence, Trademark Infringement, and Cybersquatting

**Unit 5: Ethical Decision in Software Development and Ethics of IT Organizations (8 Hrs.)**
Software Quality and its Importance; Strategies for Developing Quality Software; Use of Contingent Workers; H-1B Workers; Outsourcing; Whistle-Blowing; Green Computing

**Teaching Methods**
The teaching faculties are expected to create environment where students can update and upgrade themselves with the current scenario of computing and information technology with
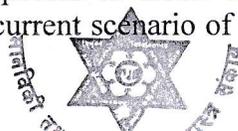
the help of topics listed in the syllabus. The general teaching pedagogy that can be followed by teaching faculties for this course includes class lectures, laboratory activity, group discussions, case studies, guest lectures, research work, project work, assignments (Theoretical and Practical), and written and verbal examinations.

**Evaluation**

<table>
<tr><th colspan="5">Examination Scheme</th></tr>
<tr><th colspan="2">Internal Assessment</th><th colspan="2">External Assessment</th><th>Total</th></tr>
<tr><th>Theory</th><th>Practical</th><th>Theory</th><th>Practical</th><th></th></tr>
<tr><td>40</td><td></td><td>60</td><td>-</td><td></td></tr>
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**Recommended Books:**
1. Ethics in Information Technology, Sixth Edition, George W. Reynolds.
2. Ethics and Technology: Controversies, Questions, and Strategies for Ethical Computing, Fifth Edition, Herman T. Tavani, John Wiley and Sons, 2016.
3. Ethics for Information Age, Eighth Edition, Michael J. Quinn, Pearson.

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