# Appendix - I

## Post Graduate Degree in Master of Cyber Law & Information Technology

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Sr.No</th>
<th>Name of Subject</th>
<th>No. of Credits</th>
<th>Max. Marks</th>
<th>Min. Marks</th>
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<tbody>
<tr>
<td>1.1</td>
<td>Computer &amp; Networks</td>
<td>4</td>
<td>100</td>
<td>50</td>
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<tr>
<td>1.2</td>
<td>The Information Technology Act</td>
<td>4</td>
<td>100</td>
<td>50</td>
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<td>1.3</td>
<td>Information Technology Law – International Perspective</td>
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### SECOND SEMESTER

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<th>No. of Credits</th>
<th>Mix. Marks</th>
<th>Min.Marks</th>
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<tr>
<td>2.1</td>
<td>Cyber Crime : New Challenges</td>
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<td>2.2</td>
<td>Practical</td>
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<td>75</td>
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<tr>
<td>i)</td>
<td>Computer Practical Ext Examiner -100Marks</td>
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<tr>
<td>ii)</td>
<td>Viva Voce –Ext Examiner -25 Marks</td>
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<td>iii)</td>
<td>Group Discussion – Ext. Examiner -25 marks</td>
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<td>Project Work and Viva -Voce.</td>
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<td>( External Examiner)</td>
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<tr>
<td>i)</td>
<td>Project Work -100Marks</td>
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<tr>
<td>ii)</td>
<td>Viva – Voce – 50 Marks</td>
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### THIRD SEMESTER

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<td>3.1</td>
<td>Principles of E-Commerce</td>
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<td>3.2</td>
<td>Digital Signature</td>
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<tr>
<td>3.3</td>
<td>Seminar &amp; Group Discussion</td>
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<td>100</td>
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<tr>
<td>i)</td>
<td>Seminar –Internal Examiner-50 Marks</td>
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<td>ii)</td>
<td>Group Discussion – External Examiner – 50 Marks</td>
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FOURTH SEMESTER

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<th>Min. Marks</th>
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<td>4.1</td>
<td>Cyber Security</td>
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<tr>
<td>4.2</td>
<td>Field Visits/ Work</td>
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<td>(Internal Examiner)</td>
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APENDIX-II

DETAILED SYLLABUS

Master of Cyber Law and Information Technology

FIRST SEMESTER

PAPER –I

COMPUTER AND NETWORKS

1. Fundamentals of Computers :-
   a) Early computing machines.
   b) Computer and its assembly.
   c) Software.
   d) Computer memory, type of memory and speed.

2. Basics of Networks and Internet :-
   a) Computer networks and its need.
   b) Networks topology.
   c) Types of networks.
   d) History of Internet.
   e) Concept of Internet and www.
   f) Working of Internet.
   g) Protocols.
   h) Web publications.
   i) Cyber space.
   j) Organisations of Internet management.
   k) Related Terms (Abbreviations).
3. Fundamentals of E-commerce :-
   a) Basic of e-commerce.
   b) Types of e-commerce.
   c) Benefits.

4. Cyber crimes and cyber terrorism :-
   a) Cyber crimes and the categories of crime
      i) Cyber frauds    ii) Cyber thefts iii) Cyber stacking
   b) Cyber Terrorism.
   c) Hacking, Virus, Trojan, worms etc.

5. Internet Security concept :-
   a) Concept of security
   b) Firewalls and types.
   c) Security products.
   d) Biometrics.

6. Cryptography :-
   a) Introduction of Cryptography
   b) Type of Cryptography.
   c) Cryptographic goals.
   d) Key and Keypair.

7. Digital signatures and electronic signatures :-
   a) Technical issue of digital and electronic signature.
   b) Recognition and authentication of digital and electronic signatures
   c) Benefits.

8. PKI Infrastructure:-
   a) PKI Components.
   b) PKI Applications.
   c) Certification.

PAPER II

INFORMATION TECHNOLOGY ACT

   a) Definitions.
   b) Electronic record and digital signature authentication.
   c) Electronic governance.
   d) Various authorities under IT Act and their powers.
   e) Penalties.
   f) Offences.
   g) Miscellaneous.

2. Impact on other related Acts (Amendments) :-
   a) Amendments to Indian Penal Code.
   b) Amendments to Evidence Act.
   c) Amendments to Bankers Book Evidence Act.
   d) Amendments to Reserve Bank of India Act.

3. Concept of Cyber – space jurisdiction and other principal of jurisdiction:
   a) Territorial jurisdiction
   b) Extra Territorial jurisdiction
   c) Cyber – space jurisdiction

4. Investigation of Cyber crime (Technical Issue)

PAPER III

Information Technology Law : International Perspective

Section-A : Electronic Data Interchange

1) EDI : Concept and legal Issues.
2) UNCITRAL Model Law.
3) Electronic Signature Law’s of Major Countries
4) Cryptography Laws
5) Cyber Law’s of Major Countries
Section –B: Law of Intellectual Property.

1) Copy Right Act.
2) Trade and Merchandise Act
3) Patent Act
4) Domain Name Disputes
5) Cyber-Squatting
6) Important Case Laws.

SECOND SEMESTER
PAPER-IV
CYBER CRIME: NEW CHALLENGES

UNIT I CYBERCRIME AND THE INTERNET:

UNIT II HACKERS, ATTACKS AND CRIMES:

UNIT III THEORETICAL AND SOCIAL PERSPECTIVES ON CYBERCRIME:

UNIT IV MANAGING CYBERCRIME:

UNIT V PREVENTING CYBERCRIME:
PAPER V

Practical on Computer shall be conducted on following topics

UNIT- I:
DOS & WINDOWS Xp

File Types, Directory Structure, Booting (Warm and Cold), Internal and External DOS Commands, Wildcard Characters, Commands related to Directory (DIR, MD, CD, RD, TREE, PATH), Commands related to files (COPY, DEL, ERASE, REN, ATTRIB, FORMAT, SCANDISK, XCOPY, BACKUP, RESTORE), General Commands (TYPE, DATE, EDIT, TIME, PROMPT), Use of Wildcard characters in different commands, Introduction to Windows Operating System and their examples, Graphical User Interface, Various applications and Utilities of Windows Operating System, Starting applications, Creating shortcuts, files, folders and sub-folders, Copying files and folders, Control Panel (Add Hardware, add or remove program, display properties, date and time properties, taskbar and start button, mouse, keyboard), Accessories (Notepad, WordPad, Paint, Calculator)

UNIT- II
Introduction to Microsoft Word 2007

Inserting or Creating Tables, Add and remove Columns and Rows, inserting Text, Change text directions, Sorting (Ascending and Descending), inserting formula in the tables, Working with formulas like SUM, PRODUCT, MAX, MIN, MOD, AVERAGE, INT, Table properties, Table Autoformat, Mailmerge.

UNIT- III
Introduction to Microsoft Excel 2007

Introduction to Excel, Concept of Worksheet and Workbook, Creating a new worksheet, saving and closing a worksheet, different views in Excel.

UNIT- IV
Introduction to Microsoft Powerpoint 2007

Introduction to Powerpoint, Designing, Saving and closing presentation, Different views of Powerpoint.
Inserting Slide, Pictures, Cliparts, Organisation Chart, Tables, Chart, Text Styling, Hide and Unhide slide, Header and Footer
Animation settings, Custom Animation, Transition, Applying Timings and sound effects to slide and text, Slide Show
UNIT –V

Internet

Creation of Email ID, Exchange of Email with and without attachment, Searching materials on Internet using different search engines, downloading and uploading of data

ii) Viva Voce (External Examiner) :- Viva will be conducted on topics mentioned above

iii) Group Discussion: Group Discussion will be held on emerging issues in Cyber Law

(External Examiner)

Paper-VI

Project Work and Viva -Voce.

i) Project Work :- Students are required to prepare a project Work of 60-75 pages on a given topic. It will be evaluated by the External Examiner.

ii) Viva voce: - Viva voce will be conducted on the basis of project work

Books Suggested for Reading :


