# Appendix – I

## Detailed Syllabus

**Post Graduate Diploma in Cyber Law and Information Technology**

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Name of the Paper</th>
<th><strong>No. of Credits</strong></th>
<th>Maximum Marks</th>
<th>Minimum Marks</th>
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<tbody>
<tr>
<td>1.</td>
<td>Computers &amp; Networks</td>
<td>4</td>
<td>TH 80 IA20</td>
<td>40 10</td>
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<td>2.</td>
<td>The Information Technology Act, 2000</td>
<td>4</td>
<td>TH 80 IA20</td>
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<td>3.</td>
<td>Cyber Law : International Perspective</td>
<td>4</td>
<td>TH 80 IA20</td>
<td>40 10</td>
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</table>
| 4.     | i) Practical on Computer (External Examiner) 50 Marks  
ii) Viva Voce (External Examiner) 25 Marks  
iii) Group Discussion 25 Marks (External Examiner)  | 4                 | 100            | 50            |
| 5.     | Project Work and Viva -Voce. (External Examiner)  
i) Project Work 80 Marks  
ii) Viva voce 20 marks  | 4                 | 100            | 50            |
APPENDIX-II
DETAILED SYLLABUS
PG.Diploma In Cyber Law and Information Technology
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- 2000

   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
Cyber 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.

PAPER IV
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

i) Practical on Computer (External Examiner) 50 Marks
ii) Viva Voce (External Examiner)25 Marks
iii) Group Discussion (External Examiner)25 marks
Paper-V

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 and Viva -Voce.

i) Project Work 80 marks (External Examiner)

ii) Viva voce 20 marks (External Examiner)

Books Suggested for Reading:


