

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for B. Tech in Computer Science & Engineering
 (Applicable from the academic session 2018-2019)

Cyber Law and Ethics
Code: OEC-CS801B
Contacts: 3L

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| Name of the Course: | Cyber Law and Ethics | |
| Course Code: OEC-CS801B | Semester: VIII | |
| Duration: 6 months | Maximum Marks: 100 | |
| Teaching Scheme | | Examination Scheme |
| Theory: 3 hrs./week | | Mid Semester exam: 15 |
| Tutorial: NIL | | Assignment and Quiz : 10 marks |
| | | Attendance: 5 marks |
| Practical: NIL | | End Semester Exam: 70 Marks |
| Credit Points: | 3 | |

| Unit | Content | Hrs/Unit | Marks/Unit |
|------|--|----------|------------|
| 1 | Introduction of Cybercrime: What is cybercrime?, Forgery, Hacking, Software Piracy, Computer Network intrusion[4L]. Category of Cybercrime: how criminals plan attacks, passive attack, Active attacks, cyberstalking. [4L] | 8 | |
| 2 | Cybercrime Mobile & Wireless devices: Security challenges posted by mobile devices, cryptographic security for mobile devices, Attacks on mobile/cellphones, Theft, Virus, Hacking. Bluetooth; Different viruses on laptop [8L] | 8 | |
| 3 | Tools and Methods used in Cyber crime: Proxy servers, password checking, Random checking, Trojan Horses and Backdoors; DOS & DDOS attacks; SQL injection: buffer over flow. [8L] | 8 | |
| 4. | Phishing & Identity Theft: Phishing methods, ID Theft; Online identity method. [4L] Cybercrime & Cybersecurity: Legal aspects, Indian laws, IT act, Public key certificate. [4L] | 8 | |

Text book and Reference books:

1. Cyber security by Nina Gobole & Sunit Belapune; Pub: Wiley India.
2. Information Security & Cyber laws, Gupta & Gupta, Khanna Publishing House