

**Academic Council Meeting Date : July 02, 2024**

**Agenda Number : 03**

**Resolution Number : 41 / 3.49**



**Vidya Prasarak Mandal's  
B. N. Bandodkar College of  
Science (Autonomous), Thane**



**Syllabus for**  
**Programme : Co-curricular Course**  
**Specific Programme : Cyber Crime**  
**Awareness**

**Under NEP**  
**From academic year 2024 - 2025**

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**VPM's B.N.Bandodkar College of Science (Autonomous), Thane**  
**Co-curricular Course – Cyber Crime Awareness**  
**Syllabus**

| Course Code  | Course Title  | Credits | No. of lectures |
|--|---|---------|-----------------|
| 24BUCCT1   | Cyber Crime Awareness   | 02      |                 |
| <b>Course Outcomes:</b> After learning the course, learners will be able to understand <ol style="list-style-type: none"> <li>1. Learn the foundations of Cyber security and threat landscape.</li> <li>2. To equip students with the technical knowledge and skills needed to protect and defend against cyber threats.</li> <li>3. To expose students to governance, regulatory, legal, economic, environmental, social and ethical contexts of cyber security</li> <li>4. To expose students to responsible use of online social media networks.</li> </ol> |   |         |                 |
| <b>Unit I</b>  | Defining Cyberspace and Cyber Crime, Classification of cyber crimes, Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds, social engineering attacks, malware and ransomware attacks, zero day and zero click attacks, Cybercriminals modus-operandi , Reporting of cyber crimes, Remedial and mitigation measures, Legal perspective of cyber crime, IT Act 2000 and its amendments, Cyber crime and offences, Organisations dealing with Cyber crime and Cyber security in India, Case studies |         | <b>15</b>       |
| <b>Practicals / Internship</b>   | <ol style="list-style-type: none"> <li>1. Checklist for reporting cyber crime at Cyber crime Police Station.</li> <li>2. Checklist for reporting cyber crime online.</li> <li>3. Reporting phishing emails</li> <li>4. Basic checklist, privacy and security settings for popular Social media platforms.</li> <li>5. Reporting and redressal mechanism for violations and misuse of Social media platforms.</li> <li>6. Configuring security settings in Mobile Wallets and UPIs.</li> <li>7. ON Field Training</li> <li>8. Case Studies</li> </ol>                    |         | <b>30</b>       |
| <b>Text book:</b> <ol style="list-style-type: none"> <li>1. Cyber Crime Impact in the New Millennium, by R. C Mishra , Auther Press. Edition 2010</li> <li>2. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd. (First Edition, 2011)</li> <li>3. Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson , 13th November, 2001)</li> </ol>                     |   |         |                 |

**Program Specific Outcomes (PSOs)** Upon completion of the degree program, students will be able to:

- (a) Understand the cyber security threat landscape.
- (b) Develop a deeper understanding and familiarity with various types of cyberattacks, cyber crimes, vulnerabilities and remedies thereto.
- (c) Analyse and evaluate existing legal framework and laws on cyber security.
- (d) Analyse and evaluate the digital payment system security and remedial measures against digital payment frauds.