Certificate Course in Ethical Hacking (CCEH) – Syllabus (6 Months)

Semester – I (6 Months)

S. No.	Paper Numerical Unique	Class & Papers	Paper Name / Subject
1	7801	1CCEH1	Fundamentals of Ethical Hacking
2	7802	1CCEH2	Networking & Security Basics
3	7803	1CCEH3	Operating System & Vulnerabilities
4	7804	1CCEH4	Web & Cyber Security Tools

Course Details:

- **Fundamentals of Ethical Hacking** – Introduction to hacking, types of hackers, phases of ethical hacking, legal & ethical issues.
- **Networking & Security Basics** – OSI model, TCP/IP, firewalls, VPNs, intrusion detection & prevention systems.
- **Operating System & Vulnerabilities** – Windows & Linux security, system vulnerabilities, patch management, privilege escalation.
- **Web & Cyber Security Tools** – SQL injection, cross-site scripting (XSS), phishing, Kali Linux tools, Wireshark, Metasploit basics.