

Course layout of cyber security

Week 1	<p>Introduction to Cyber Space History of Internet [Dr. Jeetendra Pande, Uttarakhand Open University] Cyber Crime [Dr. Jeetendra Pande, Uttarakhand Open University] Information Security [Dr. Jeetendra Pande, Uttarakhand Open University] Computer Ethics and Security Policies [Dr. Jeetendra Pande, Uttarakhand Open University] Quiz</p>
Week 2	<p>Choosing the Best Browser according to the requirement and email security Guidelines to choose web browsers [Mr. Arun Kumar- CISSP] Securing web browser [Mr. Arun Kumar- CISSP] Antivirus [Mr. Arun Kumar- CISSP] Email security [Dr. Ajay Prasad, UPES, Dehradun] Quiz</p>
Week 3	<p>Guidelines for secure password and wi-fi security Guidelines for setting up a Secure password [Mr. Arun Kumar- CISSP] Two-steps authentication [Mr. Arun Kumar- CISSP] Password Manager [Mr. Arun Kumar- CISSP] Wi-Fi Security [Dr. Jeetendra Pande] Quiz</p>
Week 4	<p>Guidelines for social media and basic Windows security Guidelines for social media security [Dr. V.V. Rao, Scientist- CERT-In] Tips and best practices for safer Social Networking [Dr. V..V. Rao, Scientist- CERT-In] Basic Security for Windows [Dr. Jeetendra Pande, Uttarakhand Open University] User Account Password [Dr. Jeetendra Pande, Uttarakhand Open University] Quiz</p>
Week 5	<p>Smartphone security guidelines Introduction to mobile phones [Dr. Jeetendra Pande, Uttarakhand Open University] Smartphone Security [Dr. Jeetendra Pande, Uttarakhand Open University] Android Security [Dr. Jeetendra Pande, Uttarakhand Open University] IOS Security [Dr. Jeetendra Pande, Uttarakhand Open University] Quiz</p>
Week 6	<p>Cyber Security Initiatives in India Counter Cyber Security Initiatives in India [Mr. Ashutosh Bahuguna- Scientist- CERT-In] Cyber Security Exercise [Mr. Ashutosh Bahuguna- Scientist- CERT-In] Cyber Security Incident Handling [Mr. Ashutosh Bahuguna- Scientist- CERT-In] Cyber Security Assurance [Mr. Ashutosh Bahuguna- Scientist- CERT-In] Quiz</p>

Week 7	Online Banking, Credit Card and UPI Security Online Banking Security [Dr. Jeetendra Pande, Uttarakhand Open University] Mobile Banking Security [Dr. Jeetendra Pande, Uttarakhand Open University] Security of Debit and Credit Card [Dr. Jeetendra Pande, Uttarakhand Open University] UPI Security [Dr. Jeetendra Pande, Uttarakhand Open University] Quiz
Week 8	Micro ATM, e-wallet and POS Security Security of Micro ATMs [Dr. Jeetendra Pande, Uttarakhand Open University] e-wallet Security Guidelines [Dr. Jeetendra Pande, Uttarakhand Open University] Security Guidelines for Point of Sales(POS) [Dr. Jeetendra Pande, Uttarakhand Open University] Quiz
Week 9	Social Engineering Social Engineering [Dr. Jeetendra Pande, Uttarakhand Open University] Types of Social Engineering [Dr. Jeetendra Pande, Uttarakhand Open University] How Cyber Criminal Works [Er. Jayash Sharma, Anand Engineering College] How to prevent for being a victim of Cyber Crime [Er. Jayash Sharma, Anand Engineering College] Quiz
Week 10	Cyber Security Threat Landscape and Techniques Cyber Security Threat Landscape [Dr. A Murli Rao, IGNOU] Emerging Cyber Security Threats [Dr. A Murli Rao, IGNOU] Cyber Security Techniques [Ms. Tripti Misra and Ms. Shahina Anwaru, Assistant Professor- UPES, Dehradun] Firewall [Dr. Ajay Prasad, UPES, Dehradun] Quiz
Week 11	IT Security Act and Misc. Topics IT Act [Dr. Darpan Anand, Associate Professor- Chandigarh University] Hackers-Attacker-Countermeasures [Dr. A Murli Rao, Head- Computer Division, IGNOU] Web Application Security [Dr. A Murli Rao, Head- Computer Division, IGNOU] Digital Infrastructure Security [Dr. A Murli Rao, Head- Computer Division, IGNOU] Defensive Programming [Dr. A Murli Rao, Head- Computer Division, IGNOU] Quiz
Week 12	Information Destroying and Recovery Tools Recovering from Information Loss [Dr. Jeetendra Pande, Uttarakhand Open University] Destroying Sensitive Information [Dr. Jeetendra Pande, Uttarakhand Open University] CCleaner for Windows [Dr. Jeetendra Pande, Uttarakhand Open University] Quiz

