|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and****Tool** | **Cross-cutting issues****integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | CRYPTOGRAPHY, NETWORK SECURITY AND CYBER LAW | 1 Students beginning to learn about cryptography will discover there are two primary methods to encrypt data: symmetric and asymmetric. In symmetric cryptography, the sender and the recipient of the data both use the same key to encrypt and decrypt the information.2.Student will learn from network security following things* Security essentials.
* Cryptography.
* Computer networks and security.
* Application security.
* Data and endpoint security.
* Identity and access management.
* Cloud security.
* Cyber attach phases.
 | * Chalk and

Talk method* PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO8:ETHICS PO12: Life-longLearning. |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
|  |  |  |
|  |  |  |
|  |  | CO1:Understand the basics of cyber attacks, cryptography and mathematical background of cryptographyCO2:Design and analysis of public key cryptography, Cryptographic Hash and Discrete Logarithm and itsApplicationsCO3:Understand various key management techniques and analyse IPSecurity protocols at network layerCO4:Analyze the various network attacks and security measures in cryptographyCO5:Understand need of cyber security and cyber Law |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

