

Course Curriculum Framework of Program MTECH Cyber Security (OJT Starting 1st Semester)

| Type of Course Sem | Major Core | | | Skill Enhancement | Ability Enhancement | Value Added Course | Multi-disciplinary | OJT | Audit Course |
|---|---|--|---|---|---|-------------------------------------|-----------------------------------|------------------------|--|
| | Discipline Core 1 | Discipline Core 2 | Discipline Elective | | | | | | |
| Semester I | Network and Security (2) | OS Administration (2) | Cloud Computing Fundamentals (2) | Project: Cloud Computing (2) | Lab Practice: Module I: Networks and Security, Module II: OS Admin (2) | -- | Service Management (2) | OJT (8) | Life Skills (soft skills related audit course) (0) |
| Certificate in in IT Infrastructure Management | | | | | | | | | |
| Semester II | Incident response and Threat intelligence (2) | A. web application security B. IoT Security (2) | Penetration Testing and Vulnerability Analysis (2) | Project: Cloud Deployment / Security Assessment (2) | Lab Practice: Module I: Web Application / IoT Security, Module II: Penetration Testing (2) | -- | Cloud Security and Management (2) | OJT (8) | Life Skills (soft skills related audit course) (0) |
| Certificate in Penetration Testing; Exit Path: (Sem I +II) - Diploma in Cyber Security | | | | | | | | | |
| Semester III | Cyber Law (2) | Computer security Audit and Assurance (2) | A. Malware analysis B. Mobile security and forensics (2) | Project: | Lab Practice: Module I: Malware Analysis / Mobile Security, Module II: Digital Forensic Testing (2) | | Digital Forensic (2) | OJT (8) | Life Skills (soft skills related audit course) (0) |
| Certificate in Security Audit Exit (Sem I+II+III) Advanced Diploma in Cyber Security | | | | | | | | | |
| Semester IV | -- | -- | A. Research methodology B. Project management (3) | -- | -- | Climate Change / Carbon Credits (1) | -- | MAJOR PROJECT/OJT (16) | Professional Ethics (0) |
| MTECH in Cyber Security | | | | | | | | | |