

RGPV (DIPLOMA WING) BHOPAL		OBE CURRICULUM FOR THE COURSE		FORMAT-3		Sheet No. 1/3		
Branch		CHM		Semester		SIXTH		
Course Code		603		Course Name		Network Security and Cyber Law		
Course Outcome 1		Network security and network security principle.			Teach Hrs		Marks	
Learning Outcome 1		To Explain network security and its principle.			07			
Contents		Security Overview, Computer Security, Network Security, Key Principles of Network Security-Confidentially, Integrity, Availability, Non-repudiation, Access control.						
Method of Assessment		Internal Assessment						
Learning Outcome 2		To Explain types of security and threats to security.			05			
Contents		Threats to Security- Dependent and Independent Threats, security Attacks, Need of Security, Types of Security.						
Method of Assessment		External Assessment						
Course Outcome 2		Information System Security Management.						
Learning Outcome 1		To Explain Security control System.			06			
Contents		Security Polices, Security Awareness, Security Access Control – Physical Access Controls and Logical Access Control.						
Method of Assessment		External assessment						
Learning Outcome 2		To explain Identification and Authentication			09			
Contents		Identification and Authentication- Password, Biometrics, types of Biometrics, Smart Card, Certificate Based Authentication.						
Method of Assessment		External Assessment						
COURSE Outcome 3		Secrete Communication						

Learning Outcome 1	To Explain Secrete Communication and Encryption.	08	
Contents	Introduction to Secrete Communication, Terminology of Secrete Communication Basics of Cryptography – Substitution Cipher.		
Method of Assessment	External assessment		
Learning Outcome 2	To Explain Symmetric Encryption.		
Contents	Encryption, Symmetric Encryption- Stream Cipher, Block cipher.		
Method of Assessment	External assessment		
Learning Outcome 3	To Explain Asymmetric Encryption.		
Contents	Asymmetric Encryption- Using Certificate Authority, Digital signature, SSL(Secure Socket Layer), TLS (Transport Secure Layer), Hashing Algorithms.		
Method of Assessment	External assessment		
COURSE Outcome 4	Security at Application Layer, Transport Layer & Network Layer.		
Learning Outcome 1	To Explain Application Layer.	10	
Contents	E-mail Security, Pretty Good Privacy(PGP) , Multipurpose Internet Mail Extension(MIME), Secure/ Multipurpose Internet Mail Extension (S/MIME), Simple Mail Transfer Protocol(SMTP).		
Method of Assessment	External Assessment		
Learning Outcome 2	To Explain Transport Layer & Network Layer.		
Content	SSL Architecture and message format, Transport Layer Security, Authentication Header protocol and Encapsulating Security Protocol.		
Method of Assessment	Internal Assessment		
COURSE Outcome5	System Security.		
Learning Outcome 1	To Explain System Security.	10	
Contents	Description of the System, Buffer Overflow, Malicious Programs, Worms and Virus, Fishing, Intrusion Detection system, Firewall and its types.		
Method of Assessment	External Assessment		

Course Outcome 6	E-Commerce and Cyber Law.		
Learning Outcome 1	To Explain E-Commerce.	08	
Contents	Introduction to E-Commerce, Components of E-Commerce, Advantages and Disadvantages of E-Commerce, Types of E-Commerce, Electronics Payment Methods, Secure Payment System.		
Method of Assessment	Internal Assessment		
Learning Outcome 2	To Explain Cyber Crime and Cyber Law.	05	
Contents	Cyber law :- Introduction and Need, Evolution of Cyber law, Cyber Crime and its Classifications, Punishment/Provision in Different Cyber Crime.		
Method of Assessment	External Assessment		