8		1.WAP to show RGB planes 2. WAP to convert a. RGB to NTSC b. RGB to YCbCr c. RGB to CMY d. RGB to HIS
9		WAP to achieve Pseudo coloring

CLASS: M. Sc. (Information technology)		**Semester – III**	
COURSE: Ethical Hacking (PSIT304b) Elective 2			
Periods per week **1 Period is 60 minutes**	**Lecture**	**4**	
	TW/Tutorial/ Practical	**4**	
		Hours	**Marks**
Evaluation System	**Theory Examination**	**3**	**60**
	Internal		**40**
	Practical	**--**	**50**

Unit–I	Introduction to Ethical Hacking, Footprinting and Reconnaissance, Scanning Networks, Enumeration	**12 Lectures**
Unit–II	System Hacking, Trojans and Backdoors, Viruses and Worms, Sniffing	**12 Lectures**
Unit–III	Social Engineering, Denial of Service, Session Hijacking, Hacking Webservers	**12 Lectures**
Unit–IV	Hacking Web Applications, SQL Injection, Hacking Wireless Networks, Hacking Mobile Platforms	**12 Lectures**
Unit–V	Evading IDS, Firewalls and Honeypots, Buffer Overflows, Cryptography, Penetration Testing	**12 Lectures**

Books / References

Title	Author/s	Edition	Publisher
Ethical Hacking Review Guide	Kimberly Graves		**Wiley Publishing**
Ethical Hacking	AnkitFadia	2nd Edition	Macmillan India Ltd, 2006
Insider Computer Fraud	Kenneth C.Brancik	2008	Auerbach Publications

			Taylor & Francis Group,

PSIT3P4b: Practicals

1. Using the tools for whois, traceroute, email tracking, google hacking.
2. Using the tools for scanning network, IP fragmentation, war dialing countermeasures, SSL Proxy, Censorship circumvention.
3. Using NETBIOS Enumeration tool, SNMP Enumeration tool, LINUX/ UNIX.enumeration tools, NTP Enumeration tool, DNS analyzing and enumeration tool.
4. Using System Hacking tools.
5. Study of backdoors and Trojan tools
6. Study of sniffing tools
7. Study of Denial of Service attack tools
8. Study of Hijacking tools
9. Study of webserver attack tools.
10. Study of SQL injection and Web server tools
11. Study of wireless hacking tools
12. Using cryptanalysis tool.
13. Study of different security tools.