

APPROVED

IT7301: Ethical Hacking

Course Details

Course Code:	IT7301
Course Title:	Ethical Hacking APPROVED
Short Title:	
Course Level::	Level 7
Valid From::	2018/2019 Sem 1
Credits::	15
Owner:	ICT
Assessment Method:	Achievement
Course Aim	To examine Information Technology security from the hacker's point of view to allow students develop countermeasures to stop security breaches. This will give students an insight into how to secure systems and to be work ready in the field of Information Technology with a focus on security.

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Explain the motivation, concepts and technologies used in ethical hacking.
2	Design a security policy to protect data assets from being compromised.
3	Critically analyze network enabled software applications and hardware devices for security vulnerabilities.
4	Implement advanced ethical penetration tests on a controlled test environment.
5	Defend network infrastructure from a range of basic attacks using industry defined countermeasures.
Requisites	
<ul style="list-style-type: none"> Pre Requisite: IT6003 & IT6004 & IT6008 	

Examinations
Assessment Type Examination (Unseen)
Assessment Type Examination (Practical)
Other Controlled Assessments
Assessment Type Viva voce examination
Uncontrolled Assessments
Assessment Type Project (Group)

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
None			