

APPROVED

IT7001: Systems Analysis and Design

Course Details

Course Code:	IT7001		
Course Title:	Systems Analysis and Design	APPROVED	
Short Title:	SAD		
Course Level::	Level 7		
Valid From::	2022/2023 Sem 1		
Credits::	15		
Owner:	School of ICT		
Assessment Method:	Achievement		
Course Aim	To develop students' abilities to analyse simple and complex information systems, model business and systems requirements, and document logical and physical design solutions by using appropriate methods, techniques, tools and industry standards.		

CILO	
On Completion of this course, the learner will be able to	
#	Learning Outcome Description
1	Demonstrate advanced knowledge of the concepts and basic principles of system development to meet client / community requirements.
2	Produce a set of documents and models for a new system by applying fact finding, problem solving and object-oriented analysis modelling techniques and by using appropriate software tools.
3	Perform feasibility analysis to recommend the optimal solution for a new system to meet client / community requirements.
4	Produce a physical design specification for a new system by applying object-oriented design modelling techniques and using appropriate software tools.
5	Critically analyze the work of self and teams in a collaborative environment
Requisites	
<ul style="list-style-type: none"> • Pre Requisite: IT6005-Database Systems 1 	

Examinations
Assessment Type Examination (Practical)
Other Controlled Assessments
Assessment Type Online Quiz
Uncontrolled Assessments
Assessment Type Project (Group/Individual)

Affiliated Entities			
Entity Code	Entity Title	Entity Version	Entity Type
ICT8011	Bachelor of Information and Communications Technology (Programming Major)	1	Programme
ICT8011	Bachelor of Information and Communications Technology (Programming Major)	2	Programme
ICT6010	Diploma in Information and Communications Technology	4	Programme
ICT7011	Associate Degree in Information and Communications Technology (Programming Major)	1	Programme
ICT7022	Associate Degree in Information and Communications Technology (Information Systems)	1	Programme
ICT7041	Associate Degree in Information and Communications Technology (Database Systems Major)	1	Programme
ICT7051	Associate Degree in Information and Communications Technology (Cyber Security)	1	Programme
ICT8010	Bachelor of Information and Communications Technology (Programming Major)	2	Programme
ICT8020	Bachelor of Information and Communications Technology (Management Information Systems Major)	2	Programme
ICT8021	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8022	Bachelor of Information and Communications Technology (Information Systems Major)	1	Programme
ICT8030	Bachelor of Information and Communications Technology (Networking Major)	2	Programme
ICT8031	Bachelor of Information and Communications Technology (Networking Major)	1	Programme
ICT8040	Bachelor of Information and Communications Technology (Database Systems Major)	3	Programme
ICT8041	Bachelor of Information and Communications Technology (Database Systems Major)	1	Programme
ICT8050	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
ICT8051	Bachelor of Information and Communications Technology (Cyber Security Major)	2	Programme
No Code Yet	Copy Of Bachelor of Information and Communications Technology (Cyber Security Major)	1	Programme
No Code Yet	test Bachelor of Information and Communications Technology	1	Programme