



# ISLAMIC UNIVERSITY OF TECHNOLOGY



## Course Outline and Course Plan

(To be filled by the course teacher and handed over to the students at the beginning of the course)

Name of the Teacher	Njyou Youssouf	Position	Lecturer
Department	CSE	Programme	B.Sc. Engg. And HDEE
Course Code	CSE 4408	Course Title	System Analysis and Design Lab
Academic Year	2018-19	Semester	Summer
Contact Hours	2 hours per two weeks	Credit Hours	1.0
Text books and Reference books (if any)		Authors of the books	
Prerequisites (If any)			
Course Homepage			
Teaching Methods/ Approaches	<input checked="" type="checkbox"/> Lecture <input checked="" type="checkbox"/> Project	<input type="checkbox"/> Group discussion <input type="checkbox"/> Others:	<input checked="" type="checkbox"/> Demonstration <input checked="" type="checkbox"/> Problem solving
Teaching aids	<input checked="" type="checkbox"/> Multi-media <input checked="" type="checkbox"/> OHP	<input checked="" type="checkbox"/> Board and Marker <input type="checkbox"/> Others	

Course Assessment Method							
Attendance (10%)	Quiz 15% of Total Marks (Best 3 out of 4)					Mid Semester (25%)	Semester Final (50%)
	1 <sup>st</sup> Quiz	2 <sup>nd</sup> Quiz	3 <sup>rd</sup> Quiz	4 <sup>th</sup> Quiz	Others		
	Week/Date	Week/Date	Week/Date	Week/Date	Assignment	Homework	Week/Date
							8 <sup>th</sup> Week
							15 <sup>th</sup> Week

Course Contents	The basics of analyzing a computer-based system required for the development of the system
Course Objective	1. To learn the basics of system analysis for a computer-based system

Weekly plan for course content		
Weeks	Topics	Task/Reading
1	Introduction, Group formation & Topic selection.	
2	Topic & Proposal Presentation: Introduction to the Project, Motivation, Current Status, Issues, Objectives, Summary	
3	Requirement Analysis Presentation: Problems in the current System, Opportunities, System Flow chart of different modules of Current System, Feasibility Analysis, Questionnaires	

4	Data Flow Diagram (DFD) & ER diagram Presentation, Data Dictionary, Decision Table, Decision Tree, Structured English, Gantt Chart, Pert Chart	
5	USE Case, Activity, Sequence & Class Diagram Presentation, Assessing hardware & software, Break-even point Analysis, Cash Flow Diagram, Payback Analysis, Present Value Analysis	
6	Interface & Prototype Presentation.	
7	Final Presentation: Project Summary	

Student's consulting hour: Wednesday 2:30 PM to 3:00 PM

NOTE (If any):

**Instructor contact details:**

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