Mathematics for Information Technology 2

Basic Course Information				
Course Number	02005120	Subject Category	Compulsory (C)	
Class Format	Lecture	Credit Type and Number of Credits	1	
Department	Computer	Student Category	Year 3	
Period of Study	Semester 1	Classes per Week	1	
Required Materials				
Inchristen	Hidau ki Kohavashi/Hida)	Course I Internation On		

Course Cbjective
This course provides students with further study and practice of Mathematics for information Tachnology, It covers sets, relations, logic grants, mathematical induction and difference equation, probability and permutations and combinations.

Evaluation (Rubric)	Ideal Level of Achievement (Very Good)	Standard Level of Achievement (Good)	Unacceptable Level of Achievement (Fail)		
Automaton	Explain pushdown automaton	Understand automaton	Doesn't understand automaton		
Regular representation	Making to receive regular representation machine	Understand regular representation	Doesn't understand regular representation		

Relationship with Learning Outcomes
C(1) Ability to operate and administer the computer software and hardware C(2) Ability to understand the operating system and to develop software to solve specific problems. Teachins Method

Outline:	Learning throw the experiments		
Class Formati	Lab work		
Manage Make 1			

Course Plan Semester 1					
Semester 1	Contents and Method of Course	Goals	Related MCC		
			V-D 7 92		
1st week	What is compute	Explain computation			
			V-D 3 31 V-D 3 32		
2nd week	Binary number / combinational drouit	Decimal into binary, explain seaguencial circuit	V-D 3 34		
		seaguencial circuit			
			V-D 3 35 V-D 3 36		
3rd week	Combinational circuit/ Boolean algebra	Combinational circuits and calculate boolean algebra	V-D 7 86 V-D 7 87		
Srd Week	Combriational druit/ Bookan algabra	calculate boolean algebra	V-D 7 87		
			V-D 3 44		
		Understand Comments			
4th week	Sequential Circuit	Understand Sequential Circuit			
5th week	holiday				
			V-D 2 19		
			V-D 2 19 V-D 2 20		
6th week	Problem formulation	Understand formulation and Problems			
		PTODRITIS			
			V-D 5 68 V-D 5 69		
7th week	Automaton	Understand Automaton	V-D 5 69 V-D 7 92		
/tn week	Automaton	or idenstand Automaton			
			-		
8th week	Review Midterm exam				
9th week	Midterm exam				
			V-D 1 3 V-D 2 19		
10th week	Regular representation	Understand representation	V U 2 19		
TOUTWEEK	Pregular representation	Onderstand representation			
			V-D 5 68 V-D 5 69		
			V-D 5 69 V-D 7 92		
11th week	NFA/DFA	Understanding NFA/DFA	7.0 7 02		
			V-D 5 68		
			V-D 5 69		
12th week	Transform NFA to DFA	Understanding Transform NFA to DFA	V-D 7 92		
			V-D 5 68		
			V-D 5 69		
13th week	Minimal form	Understanding Minimal form	V-D 7 92		
			V-D 5 68 V-D 5 69		
14th week	Pushdown automaton 1	Understanding pushdown	V-D 7 92		
T-UT-WORK	Postdown autoriation 1	Understanding pushdown automaton and context- free grammar			
			V-D 5 68		
			V-D 5 69 V-D 7 92		
15th week	Pushdown automaton 2	make pushdown automaton			
			V-D 5 68		
			V-D 5 69		
16th week	Turing Machine	Understand and explain Turing Machine	V-D 7 92		
		1011 (211000 210			
			-		
17th week	Review Final Exam				
					
4 Oak	Elect 5				
18th week	Final Exam				
					
	19th week Wrap-up				
19th week			 		
	20th week				
			 		
20th week					
			 		
	i e	1			
			Do not		

		Examination	Quiz	Mutual Evaluations between students	Report	Pertfello	Other
	Basic Ability	80					
	Technical Ability		20				