Course Code	ADU5615					
	05					
Course Title	Project in Mathematics					
Credit value	06					
Core/Optional	Ontional					
Prerequisites	Limited Registration					
Hourly breakdown	Theory	Practical	Independent Learning	Assessments	Total	
		hours			hrs	
	Meeting with	Research	Preparation and writing	Oral Presentation	600	
	Assigned	Project-450 hours	the Interim report and	(Interim report) -30	hrs	
	supervisors	,	preparation for oral	minutes.		
	50 hours		presentation -42 hrs.			
				Viva Voce		
			Preparation and writing	Examination		
			the final report and	(Final Report)		
			preparation for Viva Voce	-One Hour		
			Examination			
a a i <i>i</i>			57 hrs			
Course Alm/s.	1. Provide experience with using mathematical knowledge and concepts to understand and solve a problem					
	(Problem in real life or problem in specific field)					
	project reports.	ant incratore survey, c	experience with writing and pr	counting project propo	5ai5, and	
PLOs addressed						
by course	PLO1: Knowledge: Explain the fundamental, principles and broader knowledge pertaining to the chosen science					
-	disciplines offered for the d	egree.				
	PLO2: Practical Knowledge and Application. Demonstrate the competency to use the knowledge and practical					
	skills appropriately.					
	PLO3: Communication: Demonstrate the competency in communicating efficiently and effectively to present					
	information, ideas and concepts to the scientific community as well as to the wider society.					
	PLO4: Individual Work, Team Work and Leadership: Demonstrate the competency in working independently and					
	in groups in addressing issues in multi-disciplinary environments and completing the tasks on time through					
	collaborative learning while exhibiting leadership.					
	PLO5: Creativity and Problem Solving: Identify and analyze problems using quantitative and/or qualitative					
	approaches using scientific methodology to provide valid conclusions.					
	PLO6: Adaptability and Flexibility: Demonstrate the ability to adapt to diverse working environments using flexible					
	approaches and strategies.					
	PLO7: Information and Communication Technology Literate: Demonstrate the competency of using Information					
	and Communication Technology for numerical and statistical analysis, and in day to day applications.					
	PLO8 : Vision for Life: Develop the capacity to project for future through identifying self-directed goals and					
	continuously targeting towards them for self-improvement by undertaking further studies					
	continuously targoting towards them for som improvement by undertaking futtion studies.					
	PLO9: Lifelong Learning: Develop the capacity to foresee new trends and their impacts and continuously update					
	knowledge and develop skills willingly to meet those future challenges.					
Course Learning						
Outcomes (CLO)	At the completion of this course student will be able to					
	CLO1: Develop the ability to identify mathematical concepts behind a problem in real life or problem in specific field					
	Develop rational thinking. (PLO1.3.4.5.7.8.9)					
	CLO2: Develop the ability to do a relevant literature survey on related research on a specific problem. (PLO1.5.7.8.9)			1,5,7,8,9)		
	(1.03) Develop the ability to carrying out a research on specific issue (DI 01.2.3.4.5.6.7.9.0)					
				o,1,0,0,		
	CLO4: Develop the ability to wr .(PLO1,2,3,4,5,7,8,9)	ite project proposals	and project reports and d	evelop the presentati	on skills.	
Content	Supervisor's role and the student's role when carrying out a project proposal form. How to carry out the project. Step					
(Main topics, sub	by step instructions to start the project, Step by step instructions to write the project report. Selection of a problem.					
topics	Studying the problem and its environment, Collection of data and formulation of required theory, Application of theory					
	in the problem, Possible project topics, Samples and population, A sample and a sample survey, Some methods of					
	choosing a sample, Random Sam	pling, Stratified samp	ling, Descriptive Statistics, P	resentation of data, C	hi square	
	goodness of fit test, Regression Ar	aiysis				

Teaching Learning methods (TL)	Self-Learning/Independent learning of Self-study Instructional Material (IL) Online Activities (OL) Reference Work (RF) Compulsory contact sessions Contact sessions Research Project Assessments (AS) and Feedback –PS, VV, RF			
Assessment strategy	Overall Continuous Assessment Mark (OCAM): 40.%	Final Assessment: 60%		
	OCAM is computed from the marks of the Interim report and the oral presentation on the interim report by taking 60% of interim report and 40% of the oral presentation.	The final examination mark (FEM) will be based on a Viva Voce examination and the Final report with a weight of 0.4 for the Viva Voce Examination and 0.6 for the final report		
Recommended Readings:	As appropriately decided by the student and the supervisor based on the nature of project.			