Course Code	ADU5615						
Level	05 Designed in Mathematics						
Course Title	Project in Mathematics						
Credit value	06 Ontional						
Core/Optional	Optional Limited Registration						
Prerequisites Hourly breakdown							
nourly breakdown	Theory		Practical hours	independent Learning	Assessments	Total 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 the final report and	Examination (Final Report)		
				preparation for Viva Voce	-One Hour		
				Examination			
				57 hrs			
Course Aim/s.	1. Provide experier	nce with usin	g mathematical know	wledge and concepts to un	derstand and solve a	problem	
			n in specific field)	5		•	
		2. Provide experience with relevant literature survey, experience with writing and presenting project proposals, and					
-	project reports.						
PLOs addressed	PLO1: Knowledge: Explain the fundamental, principles and broader knowledge pertaining to the chosen science						
by course	disciplines offered for the degree.						
	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.						
	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)						
	CLO3: Develop the ability to carrying out a research on specific issue. (PLO1,2,3,4,5,6,7,8,9)						
	CLO4: Develop the .(PLO1,2,3,4,5		te project proposals	and project reports and d	evelop the presentati	on skills.	
Content (Main topics, sub topics)	Supervisor's role and the student's role when carrying out a project proposal form, How to carry out the project, Step by step instructions to start the project, Step by step instructions to write the project report, Selection of a problem, 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 Sampling, Stratified sampling, Descriptive Statistics, Presentation of data, Chi square goodness of fit test, Regression Analysis						

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.			