



திருவள்ளூர் பல்கலைக்கழகம்
THIRUVALLUVAR UNIVERSITY
SERKKADU, VELLORE - 632 115

NAAN MUDHALVAN SKILL COURSES

(ACADEMIC 2025-2026 – 3rd & 5th SEMESTER)

- a. The following Naan Mudhalvan Skill Development Courses are to be included in 2023-24 UG syllabi in 5th Semester.

Sl. No	Programme	ELECTIVE SUBJECT (Already exists)	Naan Mudhalvan Skill Development Course
1	B.Sc. Computer Science	Elective Courses(EC6): a) Data Mining and warehousing b) Mobile Computing c) Natural Language Processing	Oracle Database Foundation
	B.C.A.	Elective Courses(EC6): 1. Computer Networks 2. Software Testing 3. Cryptography	
	B.Sc. Data Science	Elective Course VI 1. Operating System 2. Simulation and Modeling 3. Quantitative Aptitude	
	B.Sc. Software Computer Science	Elective Courses(EC6): i) Software Testing ii) Internet of Things iii) Robotics and its Applications	
	B.Sc. Artificial Intelligence	Elective Courses(EC6): i) Software Testing ii) Simulation and Modelling iii) Artificial Neural Networks	
	B.Sc. Information System Management	Elective Courses(EC6): A. Business Ethics B. Business Law	
2	B.Com.	Elective Courses(EC6): Human Resource Management / Office Management & Secretarial Practice	GST Compliance & Auditing
	B.Com. Computer Application	Elective Courses(EC6): Software Engineering / Object oriented Analysis and Design	
	B.Com. Corporate Secretaryship	Elective Courses(EC6): a. Basics of Research Methodology OR b. Entrepreneurial Development	
	B.Com. Finance and Accounts	Elective Courses(EC6): Investment Analysis and Portfolio Management / Merchant Banking	
	B.B.A.	Elective Courses(EC6): Management Information system	
	B.A. Economics	Elective Courses(EC6): 1. Operations Research 2. Gender Economics	

Sl. No	Programme	ELECTIVE SUBJECT (Already exists)	Naan Mudhalvan Skill Development Course
	B.A. Corporate Economics	Elective Courses(EC5): Econometrics	
3	B.Sc. Physics	Elective Courses(EC6): Materials Science	Advanced Data Analytics & Visualisation
	B.Sc. Electronics Science	Elective Courses(EC6): a) Medical Electronics b) Power Electronics c) Industrial Electronics	
	B.Sc. Mathematics	Elective Courses(EC6): A. Graph Theory and Applications B. Number Theory	
	B.Sc. Mathematics With Computer Application	Elective Courses(EC6): Artificial Intelligence & Machine Learning(with Lab)	
	B.Sc. Statistics	Elective Courses(EC6): Econometrics / Population Studies	
4	B.Sc. Chemistry	Elective Courses(EC6): Industrial Chemistry	Good Manufacturing Practices – Quality Assurance
5	B.Sc. Botany	Elective Courses(EC6): Tissue Culture / Plant Pathology / Biofertilizers	Food Safety & Quality Management
	B.Sc. Nutrition Food Service Management and Dietetics	Elective Courses(EC5): Food Preservation and Processing	
6	B.Sc. Zoology	Elective Courses(EC6): Animal Behaviour / Wildlife Conservation And / Nanobiology / Human Reproductive Biology / Agricultural Entomology	Medical Coding
	B.Sc. Bio Technology	Elective Courses(EC5): Nano Biotechnology / Enzymology / Bioethics and Biosafety / Cancer Biology	
	B.Sc. Microbiology	Elective-6 Biosafety & Bioethics	
	B.Sc. Bio Chemistry	Elective Courses(EC6): 1A-Basic of Forensic Science 1B- Research Methodology 1C Bioenterpreunership	
7	B.A. History	Elective Courses(EC6): 1.History of Dravidian Movement from 1900 to 2000CE 2. Archaeology -I 3.History of Arabs from 500 to 750 CE	Employability Skills
	B.Sc. Geography	Elective Courses(EC6): Geography of Health / Land Use Survey & Techniques	
	B.A. Defence and Strategic Studies	Elective Courses(EC6): News Writing Procedure and News Story	
	B.A. Political Science	Elective Courses(EC6): International Organisations	

Sl. No	Programme	ELECTIVE SUBJECT (Already exists)	Naan Mudhalvan Skill Development Course
	B.A. Tamil	Elective Courses(EC6): தமிழ் மரபு மருத்துவம்	
	B.A. English	Elective Courses(EC6): Literature and Environment	
	B.A. Arabic	Elective Courses(EC6): Document Preparation in Arabic	
	B.S.W. Social Work	Elective Courses(EC6): Family and Child Welfare (or) Labour Management	
	B.Sc. Costume Design and Fashion Technology	Elective Courses(EC6): Marketing and Merchandising / Knitting / Apparel Brand Management	
	B.Sc. Physical Education	Elective Courses(EC6): Hockey (OR) Physiotherapy	
	B.Sc. Psychology	Elective Courses(EC6): Counselling Psychology	
	B.Sc. Visual Communication	Elective Courses(EC6): Design Thinking (Theory)	
	B.Sc. Interior Design and Decor	Elective Courses(EC6): Mass Communication	

b. In case of failure or long absence in the 5th Semester Naan Mudalvan paper, the following paper must be written as an arrear in the 6th semester.

Sl. No	Programme	Naan Mudhalvan Skill Development Course	Arrear Paper Name
1	B.Sc. Computer Science	Oracle Database Foundation	Data Mining and warehousing
	B.C.A.		Computer Networks
	B.Sc. Data Science		Simulation and Modelling
	B.Sc. Software Computer Science		Internet of Things (EC6)
	B.Sc. Artificial Intelligence		Simulation and Modelling
	B.Sc. Information System Management		Business Ethics
2	B.Com.	GST Compliance & Auditing	Office Management & Secretarial Practice (EC6)
	B.Com. Computer Application		Object oriented Analysis and Design (EC6)
	B.Com. Corporate Secretaryship		GST Filling & Returns
	B.Com. Finance and Accounts		Investment Analysis and Portfolio Management (EC6)
	B.B.A.		Financial Services
	B.A. Economics		Gender Economics

Sl. No	Programme	Naan Mudhalvan Skill Development Course	Arrear Paper Name
	B.A. Corporate Economics		Econometrics
3	B.Sc. Physics	Advanced Data Analytics & Visualisation	Materials Science (EC6)
	B.Sc. Electronics Science		Medical Electronics (EC6)
	B.Sc. Mathematics		Graph Theory and Applications (EC6)
	B.Sc. Mathematics With Computer Application		Artificial Intelligence & Machine Learning (EC6)
	B.Sc. Statistics		Population Studies
4	B.Sc. Chemistry	Good Manufacturing Practices – Quality Assurance	Industrial Chemistry (EC6)
5	B.Sc. Botany	Food Safety & Quality Management	Tissue Culture
	B.Sc. Nutrition Food Service Management and Dietetics		Food Preservation and Processing
6	B.Sc. Zoology	Medical Coding	Animal Behaviour
	B.Sc. Bio Technology		Nano Biotechnology
	B.Sc. Microbiology		Medical Coding
	B.Sc. Bio Chemistry		Research Methodology
7	B.A. History	Employability Skills	History of Dravidian Movement from 1900 to 2000CE
	B.Sc. Geography		Land Use Survey & Techniques (EC6)
	B.A. Defence and Strategic Studies		Fundamentals of Defence Journalism
	B.A. Political Science		International Organisations
	B.A. Tamil		தமிழ் மரபு மருத்துவம்
	B.A. English		Literature and Environment
	B.A. Arabic		Document Preparation in Arabic (EC6)
	B.S.W. Social Work		Family and Child Welfare
	B.Sc. Costume Design and Fashion Technology		Marketing and Merchandising / Knitting (EC6)
	B.Sc. Physical Education		Hockey (EC6)
	B.Sc. Psychology		Counselling Psychology
	B.Sc. Visual Communication		Design Thinking (EC6)
B.Sc. Interior Design and Decor	Mass Communication		

c. The following Courses major paper credit and hours are revised in 2023-24 UG syllabi in 5th Semester.

Sl. No	Programme	Subject Name	Revised		
			Hours	Credit	
1	B.Sc. Computer Science	Operating System	5	4	
		Data Base Management System (Lab)	4	3	
	B.C.A.	Operating System	5	4	
		Practical: Data Base Management System Lab	4	3	
	B.Sc. Data Science	Machine Learning	6	5	
		Software Engineering	6	4	
	B.Sc. Software Computer Science	Python Programming	5	4	
		Mobile Application Development	5	3	
	B.Sc. Artificial Intelligence	Machine Learning	5	4	
		Relational Data Base Management System	5	3	
	B.Sc. Information System Management	Principles of Management	6	5	
		Python Programming	6	4	
	2	B.Com.	Cost Accounting I	6	5
			Banking Law and Practice	6	4
B.Com. Computer Application		Cost Accounting I	6	5	
		Banking Law and Practice	6	4	
B.Com. Corporate Secretaryship		Management Accounting	6	4	
		Income Tax Law & Practice I	6	5	
B.Com. Finance and Accounts		Cost Accounting I	6	5	
		Banking Law and Practice	6	4	
B.B.A.		Project with Viva –Voce	6	5	
		Human Resource Management	6	4	
B.A. Economics		Monetary Economics	6	5	
		Fiscal Economics	6	4	
		Industrial Economics	6	4	
B.A. Corporate Economics		Macro Economics	6	5	
	Human Resource Development	6	5		
3	B.Sc. Physics	Atomic Physics and Lasers	6	5	
		Relativity and Quantum Mechanics	6	4	
	B.Sc. Electronics Science	Microprocessor and its Applications	6	5	
		Electrical and Electronic Instrumentation	6	4	

Sl. No	Programme	Subject Name	Revised	
			Hours	Credit
	B.Sc. Mathematics	Abstract Algebra	6	5
		Real Analysis	6	4
	B.Sc. Mathematics With Computer Application	Modern Algebra	6	5
		Real Analysis	6	4
	B.Sc. Statistics	Project with Viva-voce	6	5
4	B.Sc. Chemistry	Project with viva	6	5
5	B.Sc. Botany	Plant Morphology, Taxonomy and Economic Botany	4	3
		Cell Biology, Genetics and Plant Breeding	4	3
		Project with Viva-voce	4	2
	B.Sc. Nutrition Food Service Management and Dietetics	Dietetics	6	4
		Food Service Management	6	4
6	B.Sc. Zoology	Evolutionary biology	5	4
	B.Sc. Bio Technology	Core Practical - Plant Biotechnology And Animal Biotechnology	5	4
		Environmental and Industrial Biotechnology	6	4
	B.Sc. Microbiology	Virology and Parasitology	6	5
		Project with viva- voce-XII	6	4
	B.Sc. Bio Chemistry	Project Viva Voce	7	5
7	B.A. History	History of the World 1919 -2020 CE	6	5
		Selected Themes in History of U. S. A.	6	4
	B.Sc. Geography	Basis of GIS	6	5
		Economic Geography	6	4
	B.A. Defence and Strategic Studies	Indian Military Operations (Since 1947)	7	5
	B.A. Political Science	Indian Government and Politics	7	5
	B.A. Tamil	சிற்றிலக்கியம்	7	5
	B.A. English	Women's Writing	6	5
	B.A. Arabic	Grammar-V	6	5
		Arabic Poetry	6	4
	B.S.W. Social Work	Concurrent Field Work – V Practical	7	5
	B.Sc. Costume Design and Fashion Technology	Costumes and Textiles of India	6	5
		Garment Quality and Cost Control	6	4
B.Sc. Physical Education	Fundamentals of Sports Training	6	5	
	Exercise Physiology	6	5	

Sl. No	Programme	Subject Name	Revised	
			Hours	Credit
	B.Sc. Psychology	Assessments in Psychology	6	4
		Project with Viva voce	5	4
	B.Sc. Visual Communication	Advertising and Brand Communication	6	5
		User Experience Design	6	4
	B.Sc. Interior Design and Decor	Furniture Design	6	5
		Application of Colour in Interiors	6	4

d. The following Naan Mudhalvan Skill Development Courses are to be included in 2024-25 UG syllabi in 3rd Semester.

Sl. No	Programme	SKILL BASED SUBJECT (Already exists)	Naan Mudhalvan Skill Development Course
1	B.Sc. Computer Science	23UNM30B - Foundation of Coding Using Python	Fundamentals of Web Development
	B.C.A.		
	B.Sc. Data Science		
	B.Sc. Software Computer Science		
	B.Sc. Artificial Intelligence		
	B.Sc. Information System Management		
2	B.Com.	23UNM30A – Advanced Communication & Digital Skills	<ul style="list-style-type: none"> • Foundation of Digital Marketing [All Govt Colleges (Except CS/IT/BCA)] • Microsoft Digital Skills [All SF / Govt Aided Non - Autonomous (Except CS/IT/BCA)]
	B.Com. Computer Application		
	B.Com. Corporate Secretaryship		
	B.Com. Finance and Accounts		
	B.B.A.		
	B.A. Economics		
	B.A. Corporate Economics		
	B.Sc. Physics		
	B.Sc. Electronics Science		
	B.Sc. Mathematics		
	B.Sc. Mathematics With Computer Application		
	B.Sc. Statistics		
	B.Sc. Chemistry		
	B.Sc. Botany		
	B.Sc. Nutrition Food Service Management and Dietetics		
B.Sc. Zoology			
B.Sc. Bio Technology			
B.Sc. Microbiology			
B.Sc. Bio Chemistry			

Sl. No	Programme	SKILL BASED SUBJECT (Already exists)	Naan Mudhalvan Skill Development Course
	B.A. History		
	B.Sc. Geography		
	B.A. Defence and Strategic Studies		
	B.A. Political Science		
	B.A. Tamil		
	B.A. English		
	B.A. Arabic		
	B.S.W. Social Work		
	B.Sc. Costume Design and Fashion		
	B.Sc. Physical Education		
	B.Sc. Psychology		
	B.Sc. Visual Communication		
	B.Sc. Interior Design and Decor		

University Department

- e. The following Naan Mudhalvan Skill Development Courses are to be included in 2024-25 UG syllabi in 3rd Semester.

Sl. No	Programme	SKILL BASED SUBJECT (Already exists)	Naan Mudhalvan Skill Development Course
1	B.Sc. Computer Science	Scripting Language (SEC -5)	<ul style="list-style-type: none"> Foundation of Digital Marketing [All Govt Colleges (Except CS/IT/BCA)]
2	B. Sc. Data Science	Data Visualization Tools and Techniques (SEC -5)	<ul style="list-style-type: none"> Microsoft Digital Skills [All SF / Govt Aided Non - Autonomous (Except CS/IT/BCA)]