



**SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE  
(AUTONOMOUS)**

*(Affiliated to Bharathidasan University, Tiruchirappalli)*

**(Accredited by NAAC)**

**SUNDARAKKOTTAI, MANNARGUDI-614016.**

**TAMILNADU, INDIA.**

**LIST OF VALUE ADDED COURSES (VAC)**

*(For Undergraduate students to be admitted during the academic year 2026–2027 onwards)*

<b>Department</b>	<b>Programme</b>	<b>Semester</b>	<b>Title</b>
English	BA.,	II	Indian Knowledge Systems in Language and Literature (U26ENVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Business Administration	BBA	II	Indian Knowledge System in Business (U26VABB21)
		IV	Data Science using Python and R Programming
		VI	General Studies for Competitive Examinations
Commerce	B.COM (General)	II	Indian Knowledge System in Ancient Indian Trade Practices ( U26CMVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
	B.COM (CA)	II	Indian Knowledge System in Digital Technology (U26CCVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Mathematics	B.SC.,	II	Indian Knowledge System in Ancient Indian Mathematics (U26MAVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Computer Science	B.Sc.,	II	Introduction to Ancient Indian Technology (U26VACS21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Artificial Intelligence & Machine Learning	B.Sc.,	II	Introduction to Ancient Indian Technology (U26VAAI21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations

Biochemistry	B.Sc.,	II	Indian Knowledge System in Biochemistry and Health Sciences (U26VABC21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Microbiology	B.Sc.,	II	Indian Knowledge System in Traditional Agriculture and Organic Farming (U26MBVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Nutrition and Dietetics	B.Sc.,	II	Indian Knowledge System in Food as Medicine (U26VAND21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Fashion Technology and Costume Designing	B.Sc.,	II	Traditional Textiles as Sustainable Fashion (U26VAFT21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Physics	B.Sc.,	II	Interdisciplinary Physics in Ancient Indian Knowledge Systems (U26VAPH21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Chemistry	B.Sc.,	II	Indian Knowledge System in Ancient Chemistry (U26CHVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Computer Applications	BCA	II	Introduction to Ancient Indian Technology (U26CAVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations
Data Science	B.Sc.,	II	Introduction to Ancient Indian Technology (U26DSVA21)
		IV	Data Science Using Python and R Programming
		VI	General Studies for Competitive Examinations



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**LIST OF VALUE ADDED COURSES (VAC)**

*(For Postgraduate students to be admitted during the academic year 2026–2027 onwards)*

Department	Programme	Semester	Title
English	MA.,	I	Indian Constitution (P26ENVA11)
		III	Advances in Data Science Using Python and R Programming
Commerce	M.COM	I	Artificial Intelligence Transformation in Business Trade (P26CMVA11)
		III	Advances in Data Science Using Python and R Programming
Mathematics	M.Sc.,	I	AI Applications in Pure Mathematics (P26MAVA11)
		III	Advances in Data Science Using Python and R Programming
Computer Science	M.Sc.,	I	Advanced AI Applications in Computer Science (P26CSVA11)
		III	Web development
Information Technology	M.Sc.,	I	Advanced AI Applications in Computer Science (P26ITVA11)
		III	Web development
Biochemistry	M.Sc.,	I	Advanced Artificial Intelligence Applications in Biochemistry (P26BCVA11)
		III	Advances in Data Science Using Python and R Programming
Microbiology	M.Sc.,	I	Smart Microbiology: AI Tools and Applications (P26MBVA11)
		III	Advances in Data Science Using Python and R Programming
Nutrition and Dietetics	M.Sc., FSM & D	I	AI in Food Service Management (P26VAND11)
		III	Advances in Data Science Using Python and R Programming
Physics	M.Sc.,	I	Advanced AI Applications in Physics and Computational Sciences (P26PHVA11)
		III	Advances in Data Science Using Python and R Programming

<b>Chemistry</b>	M.Sc.,	I	Advanced AI Applications in Chemistry and Molecular Sciences (P26CHVA11)
		III	Advances in Data Science Using Python and R Programming
<b>Computer Applications</b>	MCA	I	Applied Artificial Intelligence and Emerging Technologies (P26CAVA11)
		III	Enterprise AI and Digital Transformation
<b>MBA</b>	MBA	I	Fundamentals of GST (P26MBAVA11)
		III	Advances in Data Science Using Python and R Programming



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**LIST OF VALUE ADDED COURSES (VAC)**

*(For the students admitted during the academic year 2024–2025 and 2025-2026 for Undergraduate and 2025-2026 for Postgraduate Programmes)*

Department	Programme	Semester	Title
English	BA.,	III	Human Values and Ethics (U25ENVA32)
		V	Speaking Skills through Famous Speeches from Shakespeare's Plays (U24ENVA53)
	MA.,	III	English for Entrepreneurs (P25ENVA32)
Economics	BA.,	V	Entrepreneurship and Start-Up Economics (U24ECVA53)
Business Administration	BBA	III	Business Environment and Public Policy (U26BBVA32)
		V	Geo Political And Impact on Business (U26BBVA53)
Commerce	B.COM (General)	III	Green Marketing (U25CMVA32)
		V	E-Filing of Returns (U24CMVA53)
	B.COM (CA)	III	Social Media Marketing (U25CMVA32)
		V	Campus to Corporate (U24CCVA53)
	M.COM	III	Innovation and Design Thinking (P25CMVA32)
Mathematics	B.SC.,	III	Mathematical Foundations for Artificial Intelligence (U25MAVA32)
		V	Mathematical Finance with Applications (U24MAVA53)
	M.Sc.,	III	Mathematical Foundation of Cryptography (P25MAVA32)
Computer Science	B.Sc.,	III	Visual Design with Canva (U25VACS32)
		V	Fundamentals of ICT Skills (U24VACS53)
	M.Sc.,	III	Data Analysis Using Pandas (P25VACS32)
Information Technology	M.Sc.,	III	Generative AI Tools (P25VAIT32)
Artificial Intelligence & Machine Learning	B.Sc.,	III	Cyber Security Tools (U25VAAI32)
		V	Advances In Robotics and Automation (U24VAAI53)
Biochemistry	B.Sc.,	III	Nutraceuticals for Preventive Healthcare (U26BCVA32)

		V	Clinical Biomarkers and Health Assessment (U26BCVA53)
	M.Sc.,	III	Quality Management in Healthcare Laboratories (P26BCVA32)
<b>Microbiology</b>	B.Sc.,	III	Skills in Diet Management (U25MBV32)
		V	Biocosmetics (U24MBVA53)
	M.Sc.,	III	Animal Waste Management (P25MBVA32)
<b>Nutrition and Dietetics</b>	B.Sc.,	III	Immuno Nutrition (U25VAND32)
		V	Entrepreneurship in Nutrition (U24VAND53)
	M.Sc.,	III	Food Analysis Techniques (P25VAND32)
<b>Fashion Technology and Costume Designing</b>	B.Sc.,	III	Indian Folk Art (U25VAFT32)
		V	Jute Crafts U24VAFT53)
<b>Physics</b>	B.Sc.,	V	Physics for sustainable development (U24PHVA53)
	M.Sc.,	III	Physics for Emerging Technologies (P25PHVA32)
<b>Chemistry</b>	B.Sc.,	III	Ayurvedha Chemistry (U25CHVA32)
		V	Flavors Chemistry (U24CHVA53)
	M.Sc.,	III	Forensic Chemistry (P25CHVA32)
<b>Computer Applications</b>	BCA	III	Mobile App Development using Android (U25CAVA32)
		V	Relational Database Management System (U24CAVA53)
	MCA	III	DevOps using Open Source Tools (P25CAVA32)
<b>Data Science</b>	B.Sc.,	III	Advanced Desktop Publishing Tools (U25DSVA32)
		V	Tableau for Business Intelligence (U24DSVA53)
<b>MBA</b>	MBA	III	Business Forecasting (P25MBAVA32)