

**Sree Ayyappa College, Eramallikkara**  
Re-accredited by NAAC with A GRADE

**College Basket**

Year of admission :		Batch 2024
Category	Course	Course Name
<b>Discipline: FYUGP Biochemistry</b>		
<b>Semester: 1</b>		
MDC	UK1MDCBCH101	Nutritional biochemistry for health & fitness
<b>Semester: 3</b>		
VAC	UK3VACBCH201	Drug Abuse and Prevention
<b>Semester: 4</b>		
VAC	UK4VACBCH202	Ecology and environmental studies
<b>Semester: 5</b>		
SEC	UK5SECBCH301	Quality Assurance and Quality Control
<b>Semester: 6</b>		
SEC	UK6SECBCH301	Cell culture techniques
<b>Discipline: FYUGP Biochemistry and Industrial Microbiology</b>		
<b>Semester: 1</b>		
DSC	UK1DSCBCH100	Basic Elements of Biochemistry
DSC	UK1DSCMBY101	Introduction to Microbial world
<b>Semester: 2</b>		
DSC	UK2DSCBCH100	Introduction to biomolecules
DSC	UK2DSCMBY101	Basic Techniques in Microbiology
<b>Semester: 3</b>		
DSC	UK3DSCBCH206	Properties of Biomolecules and Enzymology
DSC	UK3DSCMBY201	Food and Dairy Microbiology
DSE	UK3DSEBCH202	Nanobiotechnology
VAC	UK3VACMBY201	Microbial Waste Management
<b>Semester: 4</b>		
DSC	UK4DSCBCH204	Techniques in Biochemistry
DSC	UK4DSCMBY201	Microbial Genetics
DSE	UK4DSEMBY202	Microbial Physiology and Systematics
INT	UK4INTBCH200	Internship
INT	UK4INTMBY200	Summer Internship in Microbiology

SEC	UK4SECMBY202	Food Quality Control
<b>Semester: 5</b>		
DSC	UK5DSCBCH303	Molecular Biology
DSC	UK5DSCBCH304	Environmental Biochemistry
DSC	UK5DSCMBY301	Industrial Microbiology
DSE	UK5DSEBCH302	Intermediary Metabolism and Bioenergetics
DSE	UK5DSEMBY301	Cell Biology
SEC	UK5SECMBY301	Mushroom Cultivation
<b>Semester: 6</b>		
DSC	UK6DSCBCH303	Clinical biochemistry
DSC	UK6DSCMBY301	Medical Microbiology
DSC	UK6DSCMBY305	Environmental and Agricultural Microbiology
DSE	UK6DSEBCH302	Physiology, Nutrition and Endocrinology
DSE	UK6DSEMBY301	Immunology
SEC	UK6SECMBY301	Scientific Writing and Presentation
<b>Semester: 7</b>		
DSC	UK7DSCBCH401	Advanced techniques in biochemistry
DSC	UK7DSCMBY402	Research Methodology
DSE	UK7DSEBCH400	Tissue Engineering and 3D printing
DSE	UK7DSEMBY402	Biosafety Measures in Laboratory
<b>Semester: 8</b>		
CIP	UK8CIPMBY400	Internship Project in Microbiology
DSC	UK8DSCBCH400	Developmental Biology
RPH	UK8RPHBCH400	Research project
RPH	UK8RPHMBY400	Research Project
<b>Discipline: FYUGP Chemistry</b>		
<b>Semester: 1</b>		
DSC	UK1DSCCHE102	CHEMICAL FRONTIERS – BONDING TO ENVIRONMENTAL PERSPECTIVES
MDC	UK1MDCCHE100	FUNDAMENTAL ASPECTS OF ENVIRONMENTAL CHEMISTRY

<b>Semester: 2</b>		
DSC	UK2DSCCHE103	ESSENTIALS OF ORGANIC CHEMISTRY
MDC	UK2MDCCHE100	CHEMISTRY IN EVERYDAY LIFE
<b>Semester: 3</b>		
DSC	UK3DSCCHE203	NATURAL PRODUCT CHEMISTRY
VAC	UK3VACCHE200	LABORATORY SAFETY
<b>Semester: 4</b>		
SEC	UK4SECCHE200	WATER QUALITY ANALYSIS
SEC	UK4SECCHE201	PRACTICAL SKILLS IN CHEMISTRY
VAC	UK4VACCHE200	SUSTAINABLE CHEMISTRY
<b>Semester: 5</b>		
DSC	UK5DSCCHE300	INORGANIC CHEMISTRY III A
DSC	UK5DSCCHE304	ORGANIC CHEMISTRY - III
<b>Discipline: FYUGP Commerce</b>		
<b>Semester: 1</b>		
MDC	UK1MDCCOM100	Accounting for Everyone
<b>Semester: 2</b>		
MDC	UK2MDCCOM100	Personal Financial Planning
<b>Semester: 3</b>		
VAC	UK3VACCOM200	Business and Professional Ethics
<b>Semester: 4</b>		
SEC	UK4SECCOM201	Digital Media Marketing
VAC	UK4VACCOM200	Consumer Rights and Protection
VAC	UK4VACCOM201	Sustainable Business Practices
<b>Semester: 5</b>		
SEC	UK5SECCOM301	Forensic Accounting and Fraud Detection
<b>Semester: 6</b>		
SEC	UK6SECCOM301	Stock Market Operations

**Discipline: FYUGP Commerce – Logistic and Supply Chain Management Stream****Semester: 1**

DSC	UK1DSCCOM100	Accounting Principles and Standards (Mandatory)
DSC	UK1DSCCOM101	Management Concepts and Practices
DSC	UK1DSCCOM102	Business Communication and Documentation

**Semester: 2**

DSC	UK2DSCCOM100	Financial Accounting (Mandatory)
DSC	UK2DSCCOM102	E-business and Governance
DSC	UK2DSCCOM103	Motivation and Leadership in Business

**Semester: 3**

DSC	UK3DSCCOM201	Corporate Accounting
DSC	UK3DSCCOM202	Entrepreneurship Development
DSC	UK3DSCCOM205	Retail Banking
DSE	UK3DSECOM203	Computer Application in Business
DSE	UK3DSECOM206	Introduction to Logistics Management

**Semester: 4**

DSC	UK4DSCCOM201	Company Administration
DSC	UK4DSCCOM203	Innovation and Start-ups
DSE	UK4DSECOM203	Software for Data Analysis
DSE	UK4DSECOM206	Fundamentals of Supply Chain Management

**Semester: 5**

DSC	UK5DSCCOM300	Financial Management
DSC	UK5DSCCOM301	Fundamentals of Income Tax
DSC	UK5DSCCOM302	Cost Accounting (Mandatory)
DSE	UK5DSECOM306	Computerised Accounting
DSE	UK5DSECOM312	Procurement and Transportation

**Semester: 6**

DSC	UK6DSCCOM300	GST: Law and Practice
DSC	UK6DSCCOM302	Cost Accounting Methods and Techniques

DSC	UK6DSCCOM303	Auditing Principles and Practices (Mandatory)
DSE	UK6DSECOM307	Web Technology in Business
DSE	UK6DSECOM312	Port Management
<b>Semester: 7</b>		
DSC	UK7DSCCOM400	Statistics for Business Research
DSC	UK7DSCCOM401	Accounting Standards and Disclosure
DSC	UK7DSCCOM402	Strategic Financial Management
DSE	UK7DSECOM403	Database Management System
DSE	UK7DSECOM406	International Logistics Management
<b>Discipline: FYUGP Computer Application</b>		
DSC	UK7DSCCAP407	Research Methodology (Mandatory)
DSC	UK7DSCCAP411	E-governance (Mandatory)
<b>Discipline: FYUGP Computer Science</b>		
<b>Semester: 1</b>		
DSC	UK1DSCCSC100	Essentials of Computer Science
DSC	UK1DSCCSC101	Programming using C
DSC	UK1DSCCSC103	Introduction to Web Programming
MDC	UK1MDCCSC100	Web Designing using HTML5 and CSS3
<b>Semester: 2</b>		
DSC	UK2DSCCSC100	Free and Open Source Softwares
DSC	UK2DSCCSC101	Python Programming
DSC	UK2DSCCSC102	Computer System Management
MDC	UK2MDCCSC101	Office Automation
<b>Semester: 3</b>		
DSC	UK3DSCCSC200	Data Structures
DSC	UK3DSCCSC207	Cyber Crimes & Laws
DSC	UK3DSCCSC211	Introduction to Machine Learning
DSE	UK3DSECSC201	Data Science Fundamentals
VAC	UK3VACCSC201	Professional Ethics in Computer Science

<b>Semester: 4</b>		
DSC	UK4DSCCSC200	Database Management System
DSC	UK4DSCCSC202	Artificial Intelligence
DSE	UK4DSECSC201	Python for Data Analytics
INT	UK4INTCSC200	Summer Internship
SEC	UK4SECCSC200	Content Management System
VAC	UK4VACCSC200	Ethical Hacking
VAC	UK4VACCSC203	Preface to Cyber Laws
<b>Semester: 5</b>		
DSC	UK5DSCCSC300	Programming in Java
DSC	UK5DSCCSC303	Computer Networks
DSC	UK5DSCCSC304	Design Analysis and Algorithms
DSE	UK5DSECSC302	Data Analytics with R
DSE	UK5DSECSC307	Web Application Development Using Django
SEC	UK5SECCSC300	Software Testing
<b>Semester: 6</b>		
DSC	UK6DSCCSC300	Machine Learning
DSC	UK6DSCCSC302	Cryptography and Network Security
DSC	UK6DSCCSC303	Operating Systems
DSE	UK6DSECSC302	Data Visualisation
DSE	UK6DSECSC307	Emerging Trends in Web Development
SEC	UK6SECCSC303	Entrepreneurship in IT
<b>Semester: 7</b>		
DSC	UK7DSCCSC400	Research Methodology
DSC	UK7DSCCSC411	Image Processing and Applications
DSC	UK7DSCCSC418	Deep Learning
DSE	UK7DSECSC402	Computer Vision
<b>Semester: 8</b>		
CIP	UK8CIPCAP400	Internship Project(For UG Honors)

**Discipline: FYUGP Electronics****Semester: 1**

DSC	UK1DSCELE100	Electronics in Modern Technology (Mandatory)
DSC	UK1DSCELE101	Basic Electronic Technology
DSC	UK1DSCELE102	Electronics Fundamentals
MDC	UK1MDCELE101	Basics of IoT

**Semester: 2**

DSC	UK2DSCELE100	Digital electronics (Mandatory)
DSC	UK2DSCELE101	Electronic Technology
DSC	UK2DSCELE102	Fundamentals of Digital Technology
MDC	UK2MDCELE101	Essential Electronics

**Semester: 3**

DSC	UK3DSCELE200	Electronic Device and Circuits-I. (Mandatory)
DSC	UK3DSCELE201	Microprocessor Architecture and Applications
DSC	UK3DSCELE202	Communication Systems
DSE	UK3DSEELE200	Management for Start-Ups
VAC	UK3VACELE200	Professional Ethics for Technicians and Scientists

**Semester: 4**

DSC	UK4DSCELE200	Introduction to Analog and Digital Communication
DSC	UK4DSCELE202	Electronic Device and circuits -II
DSE	UK4DSEELE200	Introduction to Mobile Communication
SEC	UK4SECELE201	Safety Engineering
VAC	UK4VACELE200	Life skills for Technicians and Scientists

**Semester: 5**

DSC	UK5DSCELE300	Microprocessor and Microcontroller
DSC	UK5DSCELE301	Fibre Optics and Optical Communication
DSC	UK5DSCELE302	Electronic Instrumentation
DSE	UK5DSEELE300	Electromagnetic Theory
DSE	UK5DSEELE304	Network Analysis

SEC	UK5SECELE301	Disaster Management
<b>Semester: 6</b>		
DSC	UK6DSCELE300	Linear Integrated Circuits
DSC	UK6DSCELE301	Biomedical Engineering
DSC	UK6DSCELE303	Advanced project Managements Technique & Implications
DSE	UK6DSEELE300	Nano Electronics
DSE	UK6DSEELE304	Advanced Communication Systems
SEC	UK6SECELE300	Matlab and its Applications
<b>Semester: 7</b>		
DSC	UK7DSCELE401	VHDL
DSC	UK7DSCELE402	Digital Image Processing
DSE	UK7DSEELE400	Industrial Automation
<b>Semester: 8</b>		
CIP	UK8CIPELE400	Capstone Internship
RPH	UK8RPHELE400	Research Project
<b>Discipline: FYUGP English</b>		
<b>Semester: 1</b>		
AEC	UK1AECENG100	Voices of Humanity 1
AEC	UK1AECENG104	Business Communication I
AEC	UK1AECENG108	Literature, Language, and Culture I
AEC	UK1AECENG110	Reading Literature I
AEC	UK1AECENG112	English Grammar and Communication
MDC	UK1MDCENG100	Pop Culture
<b>Semester: 2</b>		
AEC	UK2AECENG100	Voices of Humanity 2
AEC	UK2AECENG108	Literature, Language, and Culture II
AEC	UK2AECENG110	Reading Literature II
AEC	UK2AECENG112	English Grammar and Communication
AEC	UK2AECENG113	Reading and Writing in English



MDC	UK2MDCENG100	Comics and Graphic Fiction
<b>Semester: 3</b>		
MDC	UK3MDCENG201	Kerala Studies-Art and Culture
<b>Semester: 4</b>		
SEC	UK4SECENG200	English for Employability
VAC	UK4VACENG200	Cinema and the Art of Communication
VAC	UK4VACENG201	Digital Empowerment
<b>Semester: 5</b>		
SEC	UK5SECENG301	Personality Development and Communication Mastery for Career Success
<b>Semester: 6</b>		
SEC	UK6SECENG300	Writing for Print Media
<b>Discipline: FYUGP English and Media Studies</b>		
<b>Semester: 1</b>		
DSC	UK1DSCENG100	Introduction to Literary Studies
DSC	UK1DSCJMC100	Basics of Journalism Practices
DSC	UK1DSCJMC105	Basics of Phototgraphy
<b>Semester: 2</b>		
DSC	UK2DSCENG102	Popular Literature
DSC	UK2DSCENG103	Narratives of Social Struggle, Resistance and Justice
DSC	UK2DSCJMC100	Basics of Communication
<b>Semester: 3</b>		
DSC	UK3DSCENG204	Film and Literature
DSC	UK3DSCJMC201	Introduction to Cinema
DSC	UK3DSCJMC203	Newsreading and Anchoring
DSE	UK3DSEENG204	Humour and Literature
<b>Semester: 4</b>		
DSC	UK4DSCENG203	World Classics
DSC	UK4DSCJMC201	Theories of Mass Communication
DSE	UK4DSEENG202	Brand Narratives

DSE	UK4DSEENG203	People, Texts, and Voices
<b>Semester: 5</b>		
DSC	UK5DSCENG304	Indian Literature
DSC	UK5DSCENG307	Marginalities and Resistances
DSC	UK5DSCJMC300	Radio & Podcasting
DSE	UK5DSEENG300	Malayali Voices in English
DSE	UK5DSEENG306	Screen Writing and Subtitling
DSE	UK5DSEJMC300	Media Management
DSE	UK5DSEJMC301	Multimedia Production
<b>Semester: 6</b>		
DSC	UK6DSCENG304	Gender and Sexuality
DSC	UK6DSCJMC300	Public Relations & Corporate Communication
DSC	UK6DSCJMC303	Documentary Film
DSE	UK6DSEENG304	Horror Narratives
DSE	UK6DSEENG305	Spaces of Women in Cinema
DSE	UK6DSEJMC300	Visual Arts Merchandising
DSE	UK6DSEJMC301	Data Journalism
<b>Semester: 7</b>		
DSC	UK7DSCENG400	Cultural Studies
DSC	UK7DSCENG401	Research Methodology for Humanities
DSE	UK7DSEENG401	Voices of Resistance
<b>Discipline: FYUGP Hindi</b>		
<b>Semester: 1</b>		
AEC	UK1AECHIN101	HINDI KAHANI
AEC	UK1AECHIN102	HINDI KAVITA
AEC	UK1AECHIN104	HINDI GADYA
<b>Semester: 2</b>		
AEC	UK2AECHIN101	JEEVANI, AATMAKATHA AUR SOCIAL MEDIA
AEC	UK2AECHIN102	VYAVAHARIK HINDI

AEC	UK2AECCHIN103	HINDI CINEMA
<b>Semester: 3</b>		
MDC	UK3MDCHIN201	KERAL KE TYOHAR
VAC	UK3VACHIN200	PRAKRUTI KE SAATH
<b>Semester: 4</b>		
SEC	UK4SECHIN201	BOLCHAL KI HINDI
VAC	UK4VACHIN200	BAHUMULYA KAHANIYAN
<b>Discipline: FYUGP Journalism</b>		
<b>Semester: 2</b>		
MDC	UK2MDCJMC100	Basics of Videography
<b>Semester: 3</b>		
VAC	UK3VACJMC200	Media & Civic Engagement
VAC	UK3VACJMC201	Geriatric Care and Media
<b>Semester: 4</b>		
VAC	UK4VACJMC201	Inclusivity and Media Practices
<b>Semester: 6</b>		
SEC	UK6SECJMC300	Digital Story Telling
<b>Discipline: FYUGP Malayalam</b>		
<b>Semester: 1</b>		
AEC	UK1AECMAL104	ജനപ്രിയഭാഷാ വ്യവഹാരങ്ങൾ
AEC	UK1AECMAL106	കാവ്യഭാഷയും സംവേദനവും
AEC	UK1AECMAL107	കഥാലോകം
<b>Semester: 2</b>		
AEC	UK2AECMAL101	സർഗ്ഗാത്മകരചന
AEC	UK2AECMAL104	ഗദ്യസമീക്ഷ
AEC	UK2AECMAL106	കാവ്യലോകം
<b>Semester: 3</b>		
MDC	UK3MDCMAL201	കേരളം- ഭാഷ- സാഹിത്യം- കല
VAC	UK3VACMAL201	സാഹിത്യവും ധർമ്മസംഹിതയും

<b>Semester: 4</b>		
SEC	UK4SECMAL200	മാധ്യമപ്രയോഗ പാഠങ്ങൾ
VAC	UK4VACMAL202	ടൂറിസവും സാംസ്കാരിക വിനിയമവും
<b>Semester: 5</b>		
DSC	UK5DSCMAL308	മലയാള വ്യാകരണം I (Mandatory)
DSC	UK5DSCMAL309	ഭാഷാശാസ്ത്രം I (Mandatory)
<b>Semester: 6</b>		
DSC	UK6DSCMAL306	മലയാള വ്യാകരണം II (Mandatory)
DSC	UK6DSCMAL307	ഭാഷാശാസ്ത്രം II (Mandatory)
<b>Discipline: FYUGP Mathematics</b>		
<b>Semester: 1</b>		
DSC	UK1DSCMAT100	Foundations of Mathematics
DSC	UK1DSCMAT106	Number Theory and Linear System of Equations
DSC	UK1DSCMAT110	Matrices and Linear Equations
MDC	UK1MDCMAT100	Numerical Ability - I
<b>Semester: 2</b>		
DSC	UK2DSCMAT100	Theory of equations, Differential Calculus and Geometry
DSC	UK2DSCMAT101	Integration and Multivariate Calculus
DSC	UK2DSCMAT106	Linear Algebra and Graph Theory
MDC	UK2MDCMAT102	Basic Operations Research
<b>Semester: 3</b>		
DSC	UK3DSCMAT200	Integral Calculus and Foundations of Vector Calculus
DSC	UK3DSCMAT203	Numerical Analysis
DSC	UK3DSCMAT211	Discrete Mathematics
DSE	UK3DSEMAT201	Numerical Analysis
<b>Semester: 4</b>		
DSC	UK4DSCMAT200	Introduction to Real Analysis and Multiple Integrals
DSC	UK4DSCMAT201	Partial Differentiation and Introduction to Abstract Algebra
DSE	UK4DSEMAT201	Introduction to Operations Research

SEC	UK4SECMAT200	Typesetting Documents with LATEX
<b>Semester: 5</b>		
DSC	UK5DSCMAT300	Differential Equations and Vector Calculus
DSC	UK5DSCMAT301	Real Analysis - I
DSC	UK5DSCMAT302	Abstract Algebra
DSE	UK5DSEMAT300	Intermediate Graph Theory
DSE	UK5DSEMAT302	Special Functions
SEC	UK5SECMAT300	Programming with Python
<b>Semester: 6</b>		
DSC	UK6DSCMAT300	Real Analysis - II
DSC	UK6DSCMAT301	Complex Analysis I
DSC	UK6DSCMAT302	Linear Algebra
DSE	UK6DSEMAT301	Partial Differential Equations
DSE	UK6DSEMAT304	Integral Transforms
SEC	UK6SECMAT300	Programming with R
<b>Semester: 7</b>		
DSC	UK7DSCMAT400	Topology
DSC	UK7DSCMAT401	Complex Analysis - II
DSE	UK7DSEMAT400	Advanced Graph Theory
DSE	UK7DSEMAT402	Advanced Linear Algebra
DSE	UK7DSEMAT405	Ordinary and Partial Differential Equations
DSE	UK7DSEMAT408	Queueing Theory
<b>Discipline: FYUGP Microbiology</b>		
<b>Semester: 1</b>		
MDC	UK1MDCMBY101	Microbes in Daily Life
<b>Semester: 2</b>		
MDC	UK2MDCMBY102	Entrepreneurial Microbiology
<b>Semester: 3</b>		
VAC	UK3VACMBY201	Microbial Waste Management

<b>Semester: 4</b>		
SEC	UK4SECMBY202	Food Quality Control
<b>Semester: 5</b>		
SEC	UK5SECMBY301	Mushroom Cultivation
<b>Semester: 6</b>		
SEC	UK6SECMBY301	Scientific Writing and Presentation
<b>Discipline: FYUGP Physical Education</b>		
<b>Semester: 3</b>		
VAC	UK3VACPES200	FUNDAMENTALS OF HEALTH AND FITNESS
<b>Semester: 5</b>		
SEC	UK5SECPES300	FIRST AID AND BASIC LIFE SUPPORT
<b>Discipline: FYUGP Physics</b>		
<b>Semester: 1</b>		
DSC	UK1DSCPHY103	Introduction to Mechanics and Energy resources
MDC	UK1MDCPHY103	Physics in Arts and Sports
<b>Semester: 2</b>		
DSC	UK2DSCPHY102	Optics and Thermodynamics
MDC	UK2MDCPHY102	Beyond the Sky
<b>Semester: 3</b>		
DSC	UK3DSCPHY201	Digital Electronics and Datascience
VAC	UK3VACPHY201	Introduction to laboratory safety measurements
<b>Semester: 4</b>		
SEC	UK4SECPHY201	Wiring and Electrical Devices
VAC	UK4VACPHY202	Disaster management
<b>Semester: 5</b>		
DSC	UK5DSCPHY300	Optics (Mandatory)
DSC	UK5DSCPHY301	Quantum Mechanics - I (Mandatory)
DSC	UK5DSCPHY302	Thermodynamics & Statistical Mechanics (Mandatory)
SEC	UK5SECPHY300	Optics in Digital Photography

<b>Semester: 6</b>		
SEC	UK6SECPHY301	PCB Making and Designing
<b>Discipline: FYUGP Statistics</b>		
<b>Semester: 1</b>		
DSC	UK1DSCSTA109	DESCRIPTIVE STATISTICS AND PROBABILITY
DSC	UK1DSCSTA110	STATISTICAL METHODS
<b>Semester: 2</b>		
DSC	UK2DSCSTA109	STANDARD DISTRIBUTIONS, B435CORRELATION AND REGRESSION
DSC	UK2DSCSTA110	STATISTICAL METHODS II
<b>Semester: 3</b>		
DSC	UK3DSCSTA201	BUSINESS DATA ANALYTICS III
DSC	UK3DSCSTA208	STATISTICAL INFERENCE
<b>Semester: 4</b>		
SEC	UK4SECSTA202	STATISTICAL ANALYSIS USING R
VAC	UK4VACSTA203	DATA ANALYSIS USING SPREADSHEETS
<b>Semester: 5</b>		
DSC	UK5DSCSTA301	THEORY OF ESTIMATION
DSC	UK5DSCSTA302	TESTING OF HYPOTHESIS
DSC	UK5DSCSTA303	SAMPLE SURVEY METHODS