

### SRM ARTS AND SCIENCE COLLEGE (Affiliated to the University of Madras) (An ISO 9001:2015 Certified Institution) PROSPECTUS





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TO BE









### CONTENT ...

Valliammai Society

Institutions of the Group

Programmes offered at SRM

SRM Arts and Science College





### VALLIAMMAI SOCIETY

(S.No. 203 of 1981 Under Section 10 of Tamil Nadu Societies Registration Act, 27 of 1975)

No.68, Thambiah Road, West Mambalam, Chennai - 600 033. Ph : 044-2474 7234, 2474 7231, 2474 2836 Admin. Office: 3, Veerasamy Street, West Mambalam, Chennai - 600 033.

#### Dr. T. R. PAARIVENDHAR

Founder Chairman

Dear Reader,

We welcome your interest in the SRM Group of Educational Institutions and hope that in the future we will have an opportunity to interact in person. The next few pages provide important information about the programmes we offer, our infrastructure, the faculty and as to how we function. Come and share with us our pride in the present and our confidence in the future.

If you are a prospective applicant, we wish you success in getting admitted to the discipline of your choice at one of our institutions.

With best wishes

T-R. Paarsvan

Dr. T. R. PAARIVENDHAR Founder Chairman

### VALLIAMMAI SOCIETY...



Dr. T. R. Paarivendhar, the Founder Chairman of the Valliammai Society is ably assisted by Thiru. Ravi Pachamoothoo, Chairman of the Valliammai Society, Thiru. P. Sathyanarayanan, Vice Chairman and Tmt. Easwari Pachamuthu, Treasurer.

The Valliammai Society commenced its educational service with humble beginning. In 1981, the society took over the Nightingale Matriculation Higher Secondary School. In 1984, SRM ventured into higher education with the launch of Valliammai Polytechnic College. The first addition was to herald a milestone in higher education in this part of the country. The year 1985 saw the birth of SRM Engineering College, one of the most prestigious institutions in science and technology and also the flagship institution of the group. The College later added the Architecture programme that enhanced its image. In the subsequent years new branches were added on and it has now grown into full-fledged engineering college encompassing all disciplines of technical education.

The Valliammai Society was founded in 1975 by Dr. T. R. Paarivendhar, a well-known educationalist. Beginning his career as a teacher, he went on to become the founder chairman of one of the largest group of educational institutions. He has dedicated his life to the cause of learning.

The society is named by Dr. T.R. Paarivendhar after his mother Tmt. R. Valliammai, under whose care and guidance he attained great heights in his life and whose ideals continue to inspire him. The Valliammai Society runs several educational institutions which are named after Thiru. Ramasamy, his late father.

The great demand pushed the Management to start SRM Institute of Hotel Management each at Chennai and Tiruchi. The greatest advantage that the institution offers to students is the benefit of a deluxe hotel attached to each of the institution.

SRM Arts and Science College, Kattankulathur was started in 1993 and SRM Dental College was launched in 1995 similar manner with a full-fledged dental hospital attached to the College. In 1996, the Valliammai Society launched its sister institutions, Easwari Engineering College, Paramedical Courses and the SRM Polytechnic. In the same year the group made a foray into North India with the launch of the SRM Institute of Management and Technology at New Delhi.

Hardly a year passes without the addition of new institution or new discipline by the Valliammai Society. The Society has adopted a firm resolve to offer every possible branch of higher learning and spares no effort in realising this vision. Every year the Valliammai Society adds and offers new discipline in addition to existing programmes.





### SRM GROUP OF EDUCATIONAL INSTITUTIONS

Knowledge that man has is no more than a fistful of sand. What still needs to be fathomed is vast and universe.

#### EDUCATION WITH A BROADER OUTLOOK

The Sri Ramasamy Memorial (SRM) Group of Educational Institutions zealously pursue a philosophy of continuous learning. Although it is an important objective to prepare students to score creditable marks at the examinations conducted by the respective universities and boards, equally important is our policy to encourage the students to develop skills and attitudes that equip them to approach life with confidence. Every student is inspired and motivated to give of his or her best in each field of activity, especially in his or her chosen discipline.

The focus of training at SRM for each student is always on all-round development so that he or she emerges as a mature and responsible citizen, with qualities of leadership and servicemindedness. Therefore the period of learning at SRM includes, apart from the academic curriculum, proficiency in general knowledge, sports and cultural activities.

First and foremost in our scheme are our students who by their commitment and a great sense of participation help to achieve the goals and objectives stated above. Highly motivated

The Sri Ramasamy Memorial (SRM) Group of faculty with outstanding academic background supplement and Educational Institutions zealously pursue a compliment the effort of students.

> The provision of excellent infrastructural facilities such as superlative housing in modern buildings, sophisticated laboratories for research as well as practical training, hi-tech computerisation, well-stocked libraries, comfortable hostels and ample scope for co-curricular and extra-curricular activities are the distinguishing features of the institutes of the SRM group.

#### PLAYING GREATER ROLE

Another area where students are given ample encouragement is the need to increase their political awareness and social responsibility.

A disheartening fact about today's students is their single-mindedness of purpose in furthering their professional careers alone. They shy away from political and social activity and do not entertain the desire to attempt to cleanse and improve the system. Leaders of various political and social organisation are invited to address the students on their ideological philosophy and programmes. The Students are encouraged to actively discuss issues of national importance and thereby enlarge their awareness of our constitutional set-up, parliamentary procedures and other societal aspects. The interactive participation increases their sense of involvement and induces them to shoulder greater responsibilities and display remarkable leadership in the development of great democratic and secular nation.



# PROCEDURE

The Programmes at SRM Educational Institutions are duly recognized or affiliated by the appropriate authorities who stipulate certain regulations and requirements and the same would automatically be applied to all students unless specially exempted. In order to make it convenient for students who are aspiring to join the various institutions of the SRM Group, certain uniform procedures have been laid out. In addition, students would be required to follow any other formalities as laid down by the respective institution.

#### ADMISSION

Application forms for all courses are available at

#### www.srmasc.ac.in

It is the interest of the applicants that they have to carefully read all the instructions given in the application form and adhere to the same strictly without any discrepancy or omission. Every application must be accompanied by necessary documents. Incomplete applications and failure to append to stipulated documents may lead to delays and in some circumstances to possible rejection.

The relevant university guidelines are mentioned herein.

It is also considered necessary to point out that it is essential to fill in absolutely correct details. If candidate is found to have furnished incorrect information,

- The Admission of the Candidate will be forfeited irrespective of what stage of the course he/she is in at that point of time.
- 2. He/she will be debarred from pursuing any course of studies.
- Legal action will be instituted against him/her for furnishing wrong information

#### CANDIDATES FROM OUTSIDE TAMILNADU

These students are informed that as per the norms stipulated by the university, they should append with their application a certificate of eligibility from the concerned university of Tamilnadu. If selected, they should apply to the concerned Institution for registration in the prescribed form within a period of 15 days from the date of their admission.





# **UNDERGRADUATE COURSES**

Various Programmes are offered by the college to meet and fulfil the societal needs and the requirements of changing scenario in Industries, Science and Technology.

Most of the educational institutions of the SRM Group are situated in and around the city of Chennai. The Largest campus is at Kattankulathur that is about 40 Km close to Chennai City on the National Highway. Local electric trains are frequently available to the reach the campus from different parts of the City. The Campus houses SRM Medical College, SRM Dental College, SRM Valliammai Engineering College, SRM Arts and Science College, SRM Institute of Hotel Management, SRM College of Pharmacy, SRM College of Nursing, Physiotherapy, Occupational Therapy and the Valliammai and SRM Polytechnic Colleges.

Name of the Programme	Duration	Eligibility	Approval / Affiliation
B.Sc - Biochemistry			
B.Sc - Biotechnology			University of Madras
B.Sc - Microbiology			
B.Sc - Computer Science		As per Govt / University Norms	
B.Sc - Electronics & Communication Science	3 Years		
B.Sc - Visual Communication			
B.Sc - Hotel & Catering Management			
B.Sc - Mathematics			
B.Com - General			
B.Com - Information Systems & Management			
B.Com - Accounting & Finance			
B.C.A - Computer Applications			
B.B.A - Business Administration			





# **POSTGRADUATE COURSES**

The SRM Group offers a number of PG Courses to give sound knowledge and to stimulate the research attitude of the students.

The Laboratories of SRM are equipped with the most modern instruments and hi-tech facilities. The PG courses are offered at various SRM institutions at Kattankulathur and Ramapuram in Chennai and in New Delhi.

Name of the Programme	Duration	Eligibility	Approval / Affiliation	
M.Sc - Applied Microbiology	2 Years			
M.Sc - Biochemistry	2 Years			
M.Sc - Biotechnology	2 Years	Relevant	Hat water CMadage	
M.Sc - Computer Science	2 Years	Degree	University of Madras	
M.Sc - Visual Communication	2 Years			
M.Com - General	2 Years			
M.B.A - Master of Business Administration	2 Years	Relevant	AICTE /	
M.C.A - Master of Computer Applications	2 Years	Degree	University of Madras	
M.Sc - Computer Science and Technology (5 Years Integrated)	5 Years	+ 2	University of Madras	





### CERTIFICATES

IN SUPPORT OF THE APPLICATION, STUDENTS MUST SUBMIT THEIR ORIGINAL & PHOTOCOPIES OF,

- 1. Mark sheet of qualifying examination or equivalent.
- 2. Transfer Certificate from the institute last studied.
- 3. Conduct Certificate
- 4. Community Certificate.
- 5. Aadhar Card (Photocopy).
- 6. Three Passport size photographs.
- 7. Join declaration by candidate and parents / guardian in the specified format.
- 8. Any other document required by the individual institution.
- 9. Eligibility Certificate from the University(for Student from outside Tamil Nadu)

#### FOREIGN STUDENTS MUST ALSO SUBMIT:

- 1. No Objection Certificate from the Ministry of HRD, Government of India, New Delhi
- 2. Eligibility Certificate from the University
- 3. Appropriate Student Visa

#### **EXPENSES**

Details of exact fees payable would be informed at the time of admission. Apart from the general fees, fees as stipulated from time to time towards specific expenses would be informed.

Any amount paid cannot be refunded under any circumstances. At the time of admission, it might be required by the student to furnish a legally binding commitment in writing to the above effect. Transfer certificates and other might be issued to the student only after he/she has fulfilled and satisfied the terms and conditions as laid down herein and from time to time.

#### WORKING SCHEDULE

All the institutions of SRM follow the academic terms, working days and so on as prescribed by the respective universities. Every Institution of SRM Group has its own timing. Students at different institutions may be required to attend classes and other activities before and beyond the scheduled timings as indicated above and informed time to time.

SRM takes pride in the self-enforced sense of punctuality of its students who normally settle in the

seats atleast five minutes ahead of the commencement of classes.

#### CONTINUOUS PROGRESS

The progress of each student of SRM is monitored closely and continuously. One faculty member is assigned to act as a Student Counsellor for every eight students. Various performance-parameters are chalked out and the Student Counsellor follows the progress on each parameter in close consultation with the student.

The purpose of this exercise is to channelize the students' energies with a sense of purpose and directions and to ensure on a continuous basis that deviations from the set targets are avoided.

#### SPECIAL NOTE

Students are particularly informed that the information given in this prospectus is purely indicative, and all concerned may seek final confirmation regarding any issue from the respective institution.



Management reserves the right to change, alter, amend or rescind any matter given herein at any point of time as it may deem necessary without notice or assigning any reason. Whatsoever, all disputes are subject to the jurisdiction of the courts at Chennai only.

General Fees / Application Fee / College Fee / Mess Fee / Health Insurance Fee / Examination Fee

### STUDENT ACTIVITIES

### STUDENT ACTIVITIES

We at SRM firmly believe in the holistic development of every individual, who is thus able to lead a full life as a social being committed to the cause of general goodness. Exposure to a wide range of activities is seen as an opportunity to open up excellent vistas to widen one's horizons and develop leadership qualities. Interaction with others helps to form healthy inter - personal relationships and inculcates in students the virtues of team spirit and fellowship. Any initiative from students on these fronts is actively encouraged, and feasible suggestions are implemented. How students are made to constructively spend their leisure time at SRM is an index of their spiritual development.

### EXTRA-CURRICULAR ACTIVITIES

In keeping with the SRM philosophy, students are provided all facilities to participate actively in several extra-curricular activities. Vast playgrounds and courts have been provided for sports as well as games such as basketball, volleyball and tennis, among others. Students are encouraged to form cultural associations with focus on music, elocution, debate, poetry, literature and so on.

### CO-CURRICULAR ACTIVITIES

Every effort is made to broaden the scope of learning at SRM. Several guest lectures, seminars, conferences and workshops are conducted on a variety of subjects. Eminent experts in various fields are invited to participate in these programmes. Students are also given opportunities to respond to invitations from other institutions and various organisations to partake in their activities.





### STUDENT SERVICE

### SHOPPING

A mini supermarket is available within the campus to supply necessary consumables. The canteen offers a range of snacks and refreshments.

### HEALTH

Students of SRM have access to medical facilities at various places. In addition, a 24-hour dispensary has also been set up with a doctor on call. The SRM Medical College Hospital in the Campus provides facilities for several diagnostic procedures such as ECG, X-Ray and laboratory investigations. Health insurance cover for all the students is one of the additional services under active consideration.

#### BANKING

Nationalised banks run extension counters at the premises at Kattankulathur and Ramapuram making it convenient for students and staff to transact business at the campus itself. Campus interviews are arranged every year in association with large industrial and commercial firms and corporate bodies. As a result, students of SRM have benefited every year with progressively remunerative and rewarding placements in reputed organisations.

#### TRANSPORTATION

The group runs a fleet of A/C buses for the transportation of students from various parts of the city to the campus and back.

### INSTITUTIONAL VISITS

Tie-ups have been arranged with a number of giant organisations for students of various disciplines at SRM to visit their plants to get a direct insight into the multi - functional processes at these organisations. Inplant training is also organised.

### PLACEMENT & TRAINING

Many interviews and group discussions are organised to familiarise students with standard selection procedures.





### STUDENT HOUSING SERVICES

The residential concept at the SRM Halls of Residence and Hostels is to simulate home conditions to the maximum extent possible. This is with the intention of providing the students with the most conducive atmosphere to pursue their studies comfortably.

There are separate hostels for men and women students. These are located at sites in close proximity to the colleges at Kattankulathur as well as at Ramapuram campus. Most students like to share the room with their peers as it provides them opportunity for developing closer bonds of friendship and collaborative learning. This also serves to further enhance their social circles that is so necessary for success in life.

Students can also avail the option of staying in single rooms with attached bathrooms. Airconditioning of the room and other services are also available on request.

As SRM institutions attract students from different states of India and from other countries, all efforts and facilities are made to serve a wide variety of food to satisfy their diverse tastes. Modern kitchen equipment for mass production has been installed and the food is served in hygienic and sanitised conditions.

Keeping in mind the local culture and traditions of the Country, Rules have been framed, with a view to guide and help the students to attach standards of impeccable conduct. Therefore, while residents enjoy maximum freedom, it is ensured that this is always within the frame work of standard guidelines and procedures, which help to create an atmosphere of amity and peaceful co-existence.

Several hostel activities are organised in an open air of camaraderie to bring out the best in students and also forms a memorable part of their lives.



### **COURSES OFFERED BY THE COLLEGE**

S.NC	)	UG COURSE
1.	B.Sc	Biochemistry
2.	B.Sc	Biotechnology
3.	B.Sc	Microbiology
4.	B.Sc	Computer Science
5.	B.Sc	Electronics & Communication Science
6.	B.Sc	Visual Communication
7.	B.Sc	Hotel & Catering Management
8.	B.Sc	Mathematics
9.	B.Com	General
10.	B.Com	Information Systems & Management
11.	B.Com	Accounting & Finance
12.	B.C.A	Computer Applications
13.	B.B.A	Business Administration
S.NO	)	PG COURSE
1.	M.Sc	Applied Microbiology
2.	M.Sc	Biochemistry
3.	M.Sc	Biotechnology
4.	M.Sc	Computer Science
5.	M.Sc	Visual Communication
6.	M.Sc	Computer Science and Technology (5 Years Integrated)
7.	M.Com	General
8.	M.B.A	Business Administration
9.	M.C.A	Computer Applications



# **B.Sc Biochemistry**

#### ELIGIBILITY: +2 with Chemistry + Biology / Botany & Zoology / Biochemistry

#### I - YEAR

#### SEMESTER - I

Tamil / Other languages – I

Communicative English - I

**Core I-Nutritional Biochemistry** 

Allied I-Chemistry I

Basic Tamil/Non-Major Elective I (Food and

Nutrition)

Professional English - I

#### SEMESTER - II

Tamil / Other Language-II
Communicative English - II
Core II-Cell Biology
Core III-Practical I
Allied II-Chemistry II
Allied Practical I & II
Basic Tamil/Non-Major Elective II (Herbal Medicine)
Professional English - II

#### II - YEAR

#### SEMESTER - III

- Tamil / Other Language-III
- English-III

Core IV-Biomolecules

Allied III-Biostatistics- I

**Environmental Studies** 

#### Soft Skills-III



#### SEMESTER - IV

Tamil / Other Language - IV

English-IV

Core V-Biomolecules and Biochemical Techniques

Core VI-Practical II

Allied IV-Biostatistics- II

Allied Practical III & IV

**Environmental Studies** 

Soft Skills-IV

Internship

#### III - YEAR

SEMESTER - V
Core VII-Enzymes
Core VIII-Metabolism
Core IX-Analytical Biochemistry
Elective Paper I-Human Physiology
Value Education

#### SEMESTER - VI

Core X-Clinical Biochemistry

Core XI-Molecular Biology

Core XII-Practical III

Core XIII-Project

**Elective Paper II-Immunology** 

Elective Paper III-Biotechnology





# **B.Sc Biotechnology**

#### **ELIGIBILITY: +2 with Any Science Subject**

#### I - YEAR

SE	Μ	EST	EF	2 -

Tamil / Other languages – I

Communicative English - I

Cell and Molecular Biology

Fundamentals of Microbiology

**Clinical nutrition & Dietary management** 

Basic Tamil/Non-Major Elective I

Professional English - I

#### SEMESTER – II

Tamil / Other languages – II Communicative English - II

Genetics

Allied - Chemistry

Practical - I - Cell Biology

Practical - I – Microbiology

Practical - II – Genetics

Practical - II – Chemistry

Basic Tamil/Non-Major Elective II (Basics of Health

Care Management)

Professional English - II

#### II - YEAR

#### SEMESTER – III

Tamil / Other languages – III

English - III

**Genetic Engineering** 

**Essentials of Biochemistry** 

Soft Skills-III - Personality Enrichment Level - I



SEMESTER - IVTamil / Other languages – IVEnglish-IVPlant BiotechnologyBioinstrumentation and BiostatisticsPractical - Genetic EngineeringPractical - Plant BiotechnologyPractical - Plant BiotechnologyPractical - BiochemistryPractical - Bioinstrumentation and BiostatisticsEnvironmental StudiesSoft Skills - IV - Computing Skills

#### III - YEAR

SEMESTER - V

Animal and Medical Biotechnology

Bioinformatics

Immunology

Pharmaceutical Biotechnology

Nanobiotechnology

Soft Skills - V - Value Education

#### SEMESTER - VI

Industrial Biotechnology Environmental Biotechnology Bio Entrepreneurship Marine Biotechnology Basics in Research Methodology Practical - Immunology Practical - Immunology Practical - Animal, Medical Biotechnology Practical - Industrial Biotechnology Practical - Environmental Biotechnology

**Extension Activities** 



# **B.Sc Microbiology**

#### ELIGIBILITY: +2 with Biology / Botany / Zoology

#### I YEAR

SEMESTER - I
Tamil / Other languages – I
Communicative English – I
General Microbiology & Microbial Physiology
(Theory)
Practical – I -General Microbiology & Microbial
Physiology
Allied - Biochemistry (Theory)
Practical - Biochemistry
Non Major Elective-I - Plant Biochemistry and
Secondary Metabolites
Professional English – I
SEMESTER - II
Tamil/ Other languages – II
Communicative English – II
Basic and Applied Immunology (Theory)
Basic and Applied Immunology (practical - II)
Allied- Bioinstrumentation (Theory)
Allied Disingtrumentation (Dragtical II)

Allied- Bioinstrumentation (Practical - II) Non Major Elective - II Mushroom Cultivation

Professional English - II

#### **II YEAR**

SEMESTER - III
Tamil / Other languages – III
English - III
Molecular Biology (Theory)
Molecular Biology (practical - III)
Allied-III: Clinical Lab Technology (Theory)
Allied-III: Clinical Lab Technology (Practical-III)
Soft skills



#### SEMESTER - IV

Tamil / Other languages – IV

English - IV

Soil & Agricultural Microbiology (Theory)

Soil & Agricultural Microbiology (Practical - IV)

Allied-IV: Clinical Biochemistry (Theory)

Allied-IV: Clinical Biochemistry (Practical - IV)

Soft Skills

**Environmental Studies** 

#### III YEAR

SEMESTER - V

Medical Bacteriology

Medical Mycology and Parasitology

Medical Virology

Elective - I: Biotechnology And Genetic Engineering

Medical Bacteriology, Mycology, Parasitology and

Virology (Practical-V)

Value Education

#### SEMESTER - VI

Environmental Microbiology

Food and Dairy Microbiology

Elective-II: Industrial and Pharmaceutical

Microbiology

Elective - III: Microbial Marketable Products

Environmental, Food and Dairy Microbiology (Practical - VI)





# **B.Sc Computer Science**

#### ELIGIBILITY: +2 with Mathematics / Business Mathematics / Statistics / Computer Science

#### I - YEAR

#### SEMESTER - I

Tamil/ Other languages – I Communicative English - I Problem Solving Using Python Core Practical – I : Problem Solving Using Python Allied Mathematics – I Basic Tamil/Advanced Tamil/NME - I\*

Professional English - I

#### SEMESTER - II

Tamil/ Other languages – II
Communicative English - II
Computer Organization
Core Practical – II : Computer Organization Lab
Allied Mathematics – II
Basic Tamil/Advanced Tamil/NME - II*
Professional English - II

#### II - YEAR

SEMESTER - III
Tamil/ Other languages – III
English-III
Java And Data Structures
Core Practical – III : Data Structures Using Java Lab
Allied III-Statistics-I
Soft Skills
Environmental Studies



#### II - YEAR

SEMESTER - IV Tamil/ Other languages – IV

**English-IV** 

Web Technology

Core Practical – IV : Web Technology Lab

Allied–IV- Statistics-II

Soft Skills

**Environmental Studies** 

#### III - YEAR

SEMESTER - V

Computer Networks

Operating systems

**Relational Database Management Systems** 

Core Practical – V : Operating System Lab

Core Practical-VI - PL/SQL Lab

Elective I - Artificial Intelligence and Expert System /

Graphics and Visualization / Network Security

Value Education

#### SEMESTER - VI

Software Engineering Introduction to Data Science Introduction to Cloud Computing Core Practical-VII - CASE Tools and Testing Tools Lab Elective II - Mobile Computing / IOT and its Applications / Block Chain Technology Core Practical-VIII – Mini Project@

**Extension Activities** 





# **B.Sc Electronics and Communication Science**

ELIGIBILITY: (i) +2 with Physics & Maths / (ii) Any Diploma with Maths as one of the Subjects / (iii) Any other examination accepted as equivalent by Syndicate of the University of Madras

#### I - YEAR

#### SEMESTER - I Tamil / Other Languages – I

Communicative English - I

**Basic Circuit Theory** 

Core Practical-I

Allied Mathematics-I

Basic Tamil/Advanced .Tamil/NME\*

Professional English - I

#### SEMESTER - II

Tamil / Other Languages – II
Communicative English - II
Electronic Devices
Core Practical – II

Allied Mathematics – II

Basic Tamil/Advanced Tamil/NME-II\*

Professional English - II

#### II - YEAR

#### SEMESTER - III

Analog Electronics	
Numerical Methods	
Digital Electronics	
Allied Basic Physics-I	
Allied Practical I	
Core Practical III	
Core Practical IV	
Environmental Studies	
Soft Skills	

#### II - YEAR

II - YEAR	
SEMESTER - IV	
Principles of Com	munication
Programming in (	C Theory and Practical*
Microprocessor -	- Intel 8085
Allied Basic Physi	cs – II
Allied Basic Physi	cs-I & II (Practical)
Core Practical - V	
Environmental St	udies
Soft Skills	
III - YEAR	
SEMESTER - V	
Microcontroller	
Electrical and Electr	ctronics Instrumentation
Antennas Theory	and Radar System
Core Practical – V	/]
Elective-I: Choose	e any one from list
Value Education	
SEMESTER - VI	
Computer Netwo	rks
Real Time Embed	ded System
Biomedical Instru	imentation
Elective II : Choos	se any one from list
Core Practical - V	/11
Project	
Extension Activiti	es





# **B.Sc Mathematics**

#### **ELIGIBILITY: +2 with Mathematics**

#### I - YEAR

SEMESTER - I

Tamil / Other Languages – I

Communicative English – Paper - I

Core Paper – I : Algebra

Core Paper –II : Differential Calculus

Allied Paper – I : Calculus of Finite Differences and

Numerical Analysis - I

Basic Tamil / Non Major Elective - I

Professional English – Paper - I

#### SEMESTER - II

Tamil / Other Languages – II

Communicative English – Paper - II

Core Paper – III : Trigonometry

Core Paper –IV : Integral Calculus and Vector Analysis

Allied Paper –II : Calculus of Finite Differences and

Numerical Analysis - II

Basic Tamil / Non Major Elective - II

Professional English – Paper - II

#### II - YEAR

#### SEMESTER - III

Tamil / Other Languages – III

Communicative English – Paper - III

Professional English – Paper - III

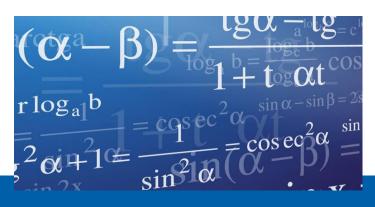
Core Paper – V : Analytical Geometry

Core Paper – VI : Differential Equations

Allied Paper – III : Mathematical Statistics – I

Environmental Studies(Exam in the IV Semester)

Soft Skills - III



#### II - YEAR

SEMESTER - IVTamil / Other Languages - IVCommunicative English – Paper - IVCore Paper – VII : Transform TechniquesCore Paper – VIII : StaticsAllied Paper –IV : Mathematical Statistics - IIAllied Practical: Mathematical StatisticsEnvironmental StudiesSoft Skills - IVProfessional English – Paper - IV

#### III - YEAR

SEMESTER - V

Core Paper – IX : Algebraic Structures - I

Core Paper – X : Real Analysis - I

Core Paper – XI : Dynamics

Core Paper – XII : Discrete Mathematics

Elective Paper-I: Programming language 'c' with Practical / Programming language python with Practical / Mathematical modelling / Numerical methods.

Value Education

#### SEMESTER - VI

Core Paper – XIII : Algebraic Structures - II

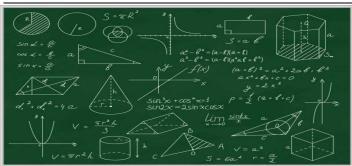
Core Paper – XIV : Real Analysis - II

Core Paper – XV : Complex Analysis

Elective Paper - II : Elementary number theory / Graph theory

Elective Paper - III: Operations research / Special functions / Applied statistics

#### **Extension Activity**





# **B.Sc Visual Communication**

#### **ELIGIBILITY: +2 with Any Subject**

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#### I - YEAR

#### SEMESTER - I

- Tamil / Other Languages I
- Communicative English I
- Introduction to Visual Communication
- Drawing I (Practical)
- Graphic Design –I (Practical)
- Basic Tamil/Advanced Tamil/NME I\*
- Professional English I

#### SEMESTER - II

Tamil / Other Languages – II	
Communicative English - II	
Communication Skills	
Drawing – II (Practical)	
Graphic Design – II <b>(Practical)</b>	
Basic Tamil/Advanced Tamil/NME II*	
Professional English - II	

#### II - YEAR

#### SEMESTER - III

Tamil / Other Languages – III	
English-III	
Advertising	
Communication Aesthetics	
Computer Graphics (Practical)	
Soft Skills – III	
Environmental Studies	

II - YEAK
SEMESTER - IV
Tamil / Other Languages – IV
English - IV
Core Paper – VII – Film Studies
Core Paper – VIII – Basic Photography
Allied Paper – IV - Photography [Practical]
Soft Skills – IV
Environmental Studies

#### III - YEAR

# SEMESTER - VMedia, Culture and SocietyTelevision ProductionWeb Publishing [Practical]Advertising Photography [Practical]Audio and Video editing practical\* - Elective Paper – I

Value Education

#### SEMESTER - VI

Visual culture of India and Tamil Nadu TV Production Practice [Practical] Paper – XV – 3 D Animation [Practical] Project (Media Internship) - Elective Paper – II Extension Activities





# **B.Sc Hotel & Catering Management**

- YFAR

#### **ELIGIBILITY: +2 with Any Subjects**

#### I - YEAR

#### SEMESTER - I

#### French - I

**Communicative English-I** 

Basic Course in Food Production -I

Basic Course in Food and Beverage Service -I

**Basic Course in Front Office** 

Nutrition and Food Science

Professional English - I

Basic Course in Food Production lab -I

Basic Course in Food and Beverage Service Lab -I Basic Course in Front Office Lab

#### SEMESTER - II

#### French-II

Communicative English – II

**Basic Course in Food Production -II** 

Basic Course in Food and Beverage Service-II

**Basic Course in Accommodation Operations** 

Basic Course in Food Production lab -I & II

Basic Course in Food and Beverage Service Lab -I & II

Basic Course in Accommodation Operations Lab **Tourism Management** 

Professional English - II

#### II - YEAR

SEMESTER - III

**Food Production Operations** 

Food and Beverage Operations

Front Office Operations

**Accommodation Operations** 

Hotel Accounting system

Personality Enrichment - Level - I

Food Production Operations Lab

Food and Beverage Operations Lab

- Front Office Operations Lab
- Accommodation Operations Lab
- Hotel Engineering and Maintenance Lab

II - YEAR
SEMESTER - IV
Food Production Operations Lab
Food and Beverage Operation Lab
Front Office Operations Lab
Accommodation Operations Lab
Industrial Exposure Training
Environmental Studies
Personality Enrichment Level –II
III - YEAR
SEMESTER - V
Advanced Food Production Operations - I
Advanced Food and Beverage Operations I
Accommodation Management
Hotel Financial Management
Human Rights and Relation Education
Marketing and Sales
Culinary Art
Value Education
SEMESTER - VI
Advanced Food Production Operations lab –I
Advanced Food and Beverage Operations Lab- I
Accommodation Management Lab
Advanced Food Production Operations –II
Advanced Food and Beverage Operations -II
Front Office Management
Advanced Food Production Operations lab – I &II
Advanced Food and Beverage Operations Lab- I & II
Front Office Management Lab
Project & Viva Voce
Application of Computers
Applications of Computer Lab
НАССР
Food & Beverage Control and Management

**Bar Control Management** 

**Guest Relation Management** 

Extension Activities ( Total 12 Hrs )



### **B.Com General**

#### **ELIGIBILITY: +2 with Commerce & Accountancy**

#### I - YEAR

SEMESTER - I
Tamil / Other Languages – I
Communicative English - I
Financial Accounting
Business Communication
Allied - Business Economics
Non Major - Basics of Elements of Logistics
Management
Professional English - I

#### SEMESTER - II

Tamil / Other Languages – II
Communicative English - II
Advance Financial Accounting
Principles of Management
Allied - Indian Economy
Non Major - Fundamentals of Insurance
Professional English - II

#### II - YEAR

SEMESTER - III
Corporate Accounting
Business Laws
Banking Theory, Law and Practice
Marketing
Allied III- Business Statistics
Environmental Studies
Soft Skills – III



#### II - YEAR

SEMESTER - IV

Advance Corporate Accounting

Company Law

Financial Services

Indirect Taxation

Allied–IV- Elements of Operation Research

Environmental Studies

Soft Skills – IV

#### III - YEAR

SEMESTER - V Elements of Cost Accounting Practical Auditing Logistics and Supply chain Management Financial Management Elective - Income Tax Law and Practice - I Value Education

#### SEMESTER - VI

Advanced Cost Accounting Management Accounting Entrepreneurial Development Elective - II - Income Tax Law and Practice – II Elective – III - Human Resources Management Value Education





# **B.Com Information Systems & Management**

#### ELIGIBILITY: +2 with Accountancy, Commerce & Maths / Statistics / Business Maths / Computer Science

#### I - YEAR

#### SEMESTER - I

Tamil / Other Languages – I Communicative English - I Core Paper - I Financial Accounting Core Paper – II Internet of Things Allied - Business Economics Non Major - Basics of Elements of Logistics Management

Professional English - I

#### SEMESTER - II

Tamil / Other Languages – II

Communicative English - II

Core Paper - III Advance Financial Accounting

Core Paper – IV Objected Oriented Programming Using C++

Allied - Indian Economy

Non Major - Fundamentals of Insurance

Professional English - II

#### II - YEAR

SEMESTER - III

Core Paper – V Computerized Accounting

Core Paper – VI Data Structure

Core Paper -VII Banking Theory, Law and Practice

Core Paper –VIII - JAVA Programming – Theory & Practical

Allied - Business Statistics

Soft Skills – III



#### II - YEAR

**SEMESTER - IV** 

Core Paper – IX Management Information System

Core Paper – X Principles of Management

Core Paper - XI Financial services

Core Paper – XII Python Programming

Allied - Elements of Operations Research

Environmental Studies

Soft Skills – IV

#### III - YEAR

SEMESTER - V

Core Paper – XIII Financial Management Core Paper – XIV Logistics and Supply chain management Core Paper - XV Spreadsheet Accounting Core Paper – XVI - Business Analytics Elective - I - Elements of Portfolio Management Value Education

#### SEMESTER - VI

Core Paper – XVII Management Accounting Core Paper – XVIII Software Project Management Core Paper - XIX Entrepreneurial Development Elective - II - Web Technology Elective - II - Group Project Value Education Extension Activities





# **B.Com Accounting & Finance**

#### **ELIGIBILITY: +2 with Accountancy & Commerce**

#### I - YEAR

#### SEMESTER - I

Tamil / Other Languages – I Communicative English - I

Financial Accounting

**Financial Planning & Performance** 

**Business Communication** 

Non Major - Basics Of Logistics Management

Non Major – Basic Tamil - I

Professional English - I

#### SEMESTER - II

Tamil / Other Languages – II

**Communicative English - II** 

Advanced Financial Accounting

**Principles Of Management** 

**Financial Analytics & Control** 

Non Major - Fundamentals of Insurance

Non Major – Basic Tamil - II

Professional English - II

#### II - YEAR

SEMESTER - III

**Corporate Accounting** 

**Financial Reporting** 

Banking Theory Law And Practice

Marketing

Allied - Business Statistics

**Environmental Studies** 

Soft skills - II



#### II - YEAR

#### **SEMESTER - IV**

Advanced Corporate Accounting Corporate & Business Law Working Capital Management Indirect Taxation Elements Of Operations Research Environmental Studies Soft Skills – IV Computer Skills

#### III - YEAR

SEMESTER - V Elements Of Cost Accounting Practical Auditing Income Tax Law & Practice - I Financial Management Port Folio Management

#### SEMESTER - VI Advanced Cost Accounting Management Accounting Entrepreneurial Development Income Tax Law & Practice – II

**Capital Markets** 





# **Bachelor of Computer Applications (B.C.A)**

#### **ELIGIBILITY: +2 with Computer Science / Mathematics / Statistics / Business Maths**

#### I - YEAR

#### SEMESTER - I

Tamil / Other Languages – I

Communicative English – I

Problem Solving using Python

Core Practical-I - Problem Solving using Python Lab

Allied I: Mathematics I

Non Major Elective – I / Basic Tamil - I

Professional English - I

#### SEMESTER - II

Tamil/ Other languages – II Communicative English – II

Object Oriented Programming Concepts using C ++

Core Practical-II - C++ programming Lab

Allied II: Mathematics II

Non Major Elective II / Basic Tamil - II

Professional English - II

#### II - YEAR

#### SEMESTER - III

Data Structures

Java programming

**Computer Organization** 

Core Practical-III - Data Structures using Java Lab

Allied III: Financial Accounting

Soft Skills - III

**Environmental Studies** 



#### **SEMESTER - IV**

Computer Network

**Open Source Technologies** 

**E-Commerce Technologies** 

Core Practical-IV - Open Source Technologies Lab

Allied IV: Cost and Management Accounting

Soft Skills - IV

**Environmental Studies** 

#### III - YEAR

SEMESTER - V

Software Engineering

**Operating System** 

**Relational Database Management System** 

Core Practical-V - Operating System Lab

Core Practical-VI - PL/SQL Lab

**Elective I** - Principles of Information Security / Multimedia and its Applications / Resource Management Techniques

#### Value Education

SEMESTER - VI

Web Design and Development

Data Mining

**Mobile Application Development** 

**Core Practical-VII** - Mobile Application Development Lab

**Elective II** - Data Analytics using R / IOT and its Applications / Software Project Management

**Mini Project** 

**Extension Activities** 





### **Bachelor of Business Administration (B.B.A)**

#### **ELIGIBILITY: +2 with Any Subjects**

I - YEAR
SEMESTER - I
Tamil / Other Languages – I
Communicative English – I
Core Paper - I - Principles of Management
Core Paper - II - Financial Accounting
Allied Paper - I - Managerial Economics
Non Major Elective – I / Basic /Adv. Tamil - I
Professional English - I
SEMESTER - II
Tamil/ Other languages – II
Communicative English – II
Core Paper - III - Business Communication
Core Paper - IV - Management Accounting
Allied Paper - II - International Trade
Non Major Elective – I / Basic /Adv. Tamil - II
Professional English - II
II - YEAR
SEMESTER - III
Core Paper - V - Financial Management
Core Paper - VI - Organisational Behaviour

Core Paper - VII - Computer Application in Business

Core Paper - VIII - Marketing Management

Allied Paper - III - Business Statistics

Soft Skills - III

**Environmental Studies** 



SEMESTER - IV
Core Paper - IX - Human Resource Management
Core Paper - X - Business Regulatory Frame Work
Core Paper - XI - : Financial Services
Core Paper - XII - Management Information system
Allied Paper - IV - Operation Research
Environmental Studies
Soft Skills - IV
III - YEAR
SEMESTER - V
Core Paper - XIII - Advertising Management and
Sales Promotion
Core Paper - XIV - Research Methodology
Core Paper - XV - Operations Management
Core Paper - XVI - Materials Management
Core Paper - IX - Human Resource Management
Elective - I - Entrepreneurial Development /
Logistics and Supply Chain Management
Value Education
SEMESTER - VI
Core Paper - XVII - Business Environment
Core Paper - XVIII - Service Marketing
Core Paper - XIX - Business Taxation
Elective - II - Customer Relationship Management /
E-Business
Elective - III - Project work (Group)
Extension Activities





# **M.Sc Applied Microbiology**

ELIGIBILITY: A Degree in Botany / Zoology / Chemistry / Biochemistry / Microbiology / Biotechnology / Home Science / N & D / BSMS / BAMS / BUMS / Any UG Degree

#### I - YEAR

#### SEMESTER - I

Medical Taxonomy

General Microbiology and laboratory Animal Science Immunology General Microbiology, Physiology and

Immunology (Practical-I

Metabolic pathways

Microbial diversity

Soft skills – I

#### SEMESTER - II

#### Virology

Systematic Medical Bacteriology

Mycology and Parasitology

Systematic Bacteriology, Mycology, Parasitology

and Virology(Practical-II)

- Industrial and Pharmaceutical Microbiology
- **Biostatistics and Bioinformatics**

Soft Skills - II





#### II YEAR

SEMESTER - III

Microbial Genetics

Genetic Engineering

Molecular Biology

Microbial Genetics, Molecular Biology and Genetic Engineering(Practical- III)

Soil and Agricultural Microbiology

Environmental Biotechnology

Soft Skills - III

SEMESTER - IV

Food, Dairy and Environmental Microbiology Research Methodology Soil, Agricultural, Food and Environmental Microbiology(Practical IV) Project

Soft Skills - IV







# **M.Sc Biochemistry**

#### ELIGIBILITY: B.Sc Biochemistry / Microbiology / Biotechnology / Biology / Botany / Zoology / Genetics / Endomology / Bioinformatics / Plant Science

#### I - YEAR

#### SEMESTER - I

Core Paper I - Biomolecules

Core Paper II - Biochemical Techniques

Core Paper III - Physiology and Cell Biology

Elective Paper I - Microbiology

Soft Skills - I

#### SEMESTER - II

Core Paper IV - Enzymes and Enzyme Technology Core Paper V - Intermediary Metabolism-I Core Paper VI - Intermediary Metabolism-II Core Paper VII - Practical I Core Paper VIII - Practical II Elective Paper II - Energy and Drug Metabolism Extra Disciplinary Paper I-Plant Research Methodology Soft Skills - II

Internship





#### II - YEAR

 SEMESTER - III

 Core Paper IX - Biotechnology

 Core Paper X - Clinical Biochemistry-I

 Core Paper XI - Molecular Biology

 Elective Paper III - Biostatistics

 Extra Disciplinary Paper II - Environmental

 Biotechnology

 Soft Skills - III

 II - YEAR

 SEMESTER - IV

 Core Paper XII-Hormones

Core Paper XIII- Clinical Biochemistry - II

Core Paper XIV-Practical III

Core Paper XV-Project and Viva

**Elective Paper IV- Signal Transduction** 

Elective Paper V -Immunochemistry

Soft Skills - IV







# **M.Sc Biotechnology**

ELIGIBILITY: A Degree in Biology / Genetics / Botany / Zoology / Chemistry / Biochemistry / Physics / B.E / B.Tech (Biotech) / B.V.Sc / M.B.B.S / BDS / Microbiology / Biotechnology / Life Science

#### I - YEAR

#### SEMESTER - I

**Biochemistry** 

**Molecular Genetics** 

Molecular Cell Biology

**Elective : Biostatistics** 

**Elective : Bioinstrumentation** 

Soft Skills - I

#### SEMESTER - II

Microbiology

Plant and Animal Biotechnology

**Genetic Engineering** 

Elective: Pharmaceutical Biotechnology

Elective: Environmental Biotechnology

Core practical I (Biochemistry)

Core practical I (Molecular Genetics)

Core practical I (Molecular Cell biology)

Core practical II (Genetic Engineering)

Core practical II (Plant & Animal Biotechnology)

Core practical II (Microbiology)

Soft Skills - II

#### II - YEAR

SEMESTER - IV

**Bioinformatics** 

Immunology

**Bioprocess Technology** 

Elective - Nano technology

E D Elective - Life Style Diseases

Soft Skills - III

Summer Internship Miniproject

#### **SEMESTER - IV**

Research Methodology

Bioethics, Human rights and Social issues

#### Dissertation

Soft Skills - IV







# **M.Sc Computer Science**

#### **ELIGIBILITY: A Degree in Computer Science / Computer Science and Technology / BCA**

#### I - YEAR

#### SEMESTER - I

Mathematics of Computer Science Theory of Computation

Design and Analysis of Algorithms

Algorithms Lab

Soft Skills - I

#### SEMESTER - II

Computer Networks
Artificial Intelligence
Database Management Systems
DBMS Lab
Soft Skills - II

#### II - YEAR

SEMESTER - III
Machine Learning
Digital Image Processing
Data Analytics
Cryptography
Machine Learning and Image Processing Lab
Internship-I



#### II - YEAR

SEMESTER - IV

**Project Work** 

#### List of Elective Courses

Web Based Application Development

Object Oriented Analysis and Design

Mathematics of Computer Science

Programming in C

#### List of Softskill Courses

#### **Computing Skill**

**IT-Companies Interview Preparation** 

Advanced MS-Office

Internship-I

Term Paper and Seminar-I

Term Paper and Seminar-II

Term Project-I

Term Project-II

Communication Skill for Software Engineers





# **M.Sc Visual Communication**

#### **ELIGIBILITY: Any UG Degree**

#### I - YEAR

#### SEMESTER - I

Introduction to Human Communication

**Media Aesthetics** 

Indian Cinema

Principles of Animation - Practical

Visualization & Storyboard - Practical

Computer Graphics & Animation I (3d Max,

Maya) - Practical

Soft Skills - I

#### SEMESTER - II

Film Language

Story Development & Scriptwriting

Visual Culture in India

World Cinema

Computer Graphics & Animation (Maya, 3d

Max) - Practical

Character Animation & Camera Techniques (Using Maya, 3d Max) - **Practical** 

Soft Skills - II





#### II - YEAR

#### SEMESTER - III

Visual Research Methods

Entertainment & Society

Film Analysis & Criticisms

Special Visual Effects (Using Tools Like Combustion) -

#### Practical

Video Editing (FCP, Avid Or Adobe Premier) -

#### Practical

**Visual Research Methods** 

Entertainment & Society

#### SEMESTER - IV

Project Management

Gaming & Game Design

Computer Graphics & Animation III -

Practical

Sound Recording & Editing (Sound Forge, Pro-Tools)

- Practical

**Research Project Work** 

Specialization (Project)





### M.Sc Computer Science and Technology (Five Years Integrated Course)

#### **ELIGIBILITY: +2 with Mathematics & Physics**

#### I - YEAR

#### SEMESTER - I

Communicative English - I

Language-I

Allied Physics-I

Mathematics-I

Fundamentals of Digital Computers

Non Major Elective/ Basic Tamil I

Professional English - I

#### SEMESTER - II

Communicative English - II

Language-II

Allied Physics-II

Mathematics-II

Practical-I: Digital Lab

Non Major-Elective / Basic Tamil II

Professional English - II

#### II - YEAR

#### SEMESTER - III

**Computer Oriented Mathematics** 

Internet and its Applications

Microprocessors

Programming in C

Practical-II: C and Microprocessor Lab

Soft Skills - III

#### II - YEAR

#### SEMESTER - IV

Software Engineering

Data Structures

**Computer Graphics** 

Programming in C++

Practical-IV: Data Structures Using C++

Soft Skills - IV

**Environmental Studies** 

#### III - YEAR

#### SEMESTER - V

**Database Management Systems** 

**Operating Systems** 

Visual Programming

**Computer Networks** 

Practical-V: RDBMS with Visual Programming Lab

Value Education

#### SEMESTER - VI

**Multimedia Systems** 

Java Programming

**Computer Architecture** 

**Object Oriented Analysis and Design** 

Practical-VI: Java Programming Lab

**Extension Activities** 



### M.Sc Computer Science and Technology (Five Years Integrated Course)

#### IV - YEAR

#### SEMESTER - VIII

Unix and Shell Programming

Distributed Database

**E-Commerce** 

Information Security

**Elective-II:** Software Project Management / Fuzzy Logic / Computer Simulation and System Modelling **Practical-IX:** Unix and Shell Programming

Practical-IX: Unix and Shell Programming

Soft skills - VI

Soft skills – VII

#### V - YEAR

SEMESTER - IX

Network Programming

Software Testing

Data Warehousing and Data Mining

Elective-III: TCP/IP Networks / Artificial Neural

Networks / Windows Programming

Elective-IV: CAD / CAM / Distributed Computing /

Image Processing

Practical-X: Network Programming Lab

Internship

Soft Skills - VIII

#### V - YEAR



#### Project & Viva -Voce









\*Soft Skills - IV

# Master of Business Administration (M.B.A)

#### ELIGIBILITY: Any UG Degree with the pattern of 10+2+3 / 11+1+3 / 11+2+2

I - YEAR	List of Elective Courses
SEMESTER - I	1. Marketing Research a
Management Principles and Business Ethics	2. Corporate Finance
Quantitative and Research Methods in Business	3. Advertising Managen
Organizational Behaviour	4. Sales and Distribution
Accounting for Managers	5. Security Analysis and
Managerial Economics	6. Tax Management
Innovation and Entrepreneurship	7. Brand Management
*Soft Skills - I	8. Industrial Marketing
SEMESTER - II	9. Database Manageme
Legal System in Business	10. Services Marketing
Applied Operational Research	11. System Analysis and
Human Resource Management	12. Decision Support Sy
Marketing Management	13. E-Business
Operations Management	14. Merchant Banking a
Financial Management	15. Human Resources D
International Business	16. Customer Relations
*Soft Skills - II	17. Performance Manag
II - YEAR	18. Organisational Deve
SEMESTER - III	19. Retail Marketing
Strategic Management	20. Rural Marketing
Management Information System	21. Derivatives Manage
Elective Paper –I **Choose any one from the list	22. Banking and Insurar
Elective Paper –II**Choose any one from the list	23. Industrial and Labou
Elective Paper –III **Choose any one from the list	24. International Marke
Elective Paper –IV**Choose any one from the list	25. Supply Chain Manag
*Soft Skills - III	26. Quality Managemer
***Internship	27. Principles and Pract
II - YEAR	28. Inventory& Wareho
SEMESTER - IV	29. Domestic and Interr
Elective Paper – V**Choose any one from the list	30. Health Policy and He
Elective Paper – VI**Choose any one from the list	31. Hospital Planning ar
# Project Work & Viva- Voce	32. Hospital Records Ma

3. Industrial Marketing
9. Database Management Systems
10. Services Marketing
1. System Analysis and Design
12. Decision Support System
L3. E-Business
14. Merchant Banking and Financial Services
15. Human Resources Development
16. Customer Relationship Management
17. Performance Management
18. Organisational Development
19. Retail Marketing
20. Rural Marketing
21. Derivatives Management
22. Banking and Insurance
23. Industrial and Labour Relations
24. International Marketing
25. Supply Chain Management
26. Quality Management
27. Principles and Practices of Logistics Management
28. Inventory& Warehousing Management
29. Domestic and International Logistics

Marketing Research and Consumer Behaviour

Advertising Management and Sales Promotion

Security Analysis and Portfolio Management

Sales and Distribution Management

- 0. Health Policy and Health Care Systems
- 1. Hospital Planning and Administration
- 32. Hospital Records Management





# Master of Computer Applications (M.C.A)

**ELIGIBILITY:** Passed BCA / A Degree in Computer Science Engineering or Equivalent Degree OR Passed B.Sc / B.Com / B.A with Mathematics at 10 + 2 Level or at Graduation Level (With additional bridge Course as per the norms of the concerned University)

#### I - YEAR

#### SEMESTER - I

C++ & Data Structures

Digital Computer Fundamentals

**Database Management Systems** 

Practical–I: Data Structures using C++ Lab.

Practical-II: RDBMS Lab.

Extra – Disciplinary- I

Accounting & Financial Management

Elective I : Operating Systems

Soft Skills - I

#### SEMESTER - II

Design and Analysis of Algorithms

**Object Oriented Analysis and Design** 

Artificial Intelligence

Elective II : Choose any one

Practical – III: Object Oriented Analysis and Design Lab

Practical – IV: Web Based Application Development Lab.

Extra- Disciplinary - II

Web Based Application Development

Soft Skills – II

Soft Skills – III

Internship: During I year summer vacation 4 to 6 weeks

#### II - YEAR

#### SEMESTER - III

Machine Learning

Elective III : Choose any one

Elective IV : Choose any one

Elective V : Choose any one

Practical – V: Machine Learning Lab

Practical – VI: Group Project

Soft Skills - IV

Internship: During I year summer vacation 4 to 6 weeks

#### II - YEAR

SEMESTER - IV

Project & Viva – Voce

#### List of Elective Courses

Elective –I: Choose any one

**Operating Systems** 

Theory of Computation

Data Analytics using R

Elective – II: Choose any one

Computer Networks

**Digital Image Processing** 

Software Engineering

Elective – III: Choose any one Software Project Management

Supply Chain Management

Management Information Systems

#### Elective –IV: Choose any one

Mobile Computing

Cloud Computing

Soft Computing

### Elective –V: Choose any one

Mobile Application Development

Information Security

Internet of Things





# M.Com General

ELIGIBILITY: Pass in any Undergraduate 'Commerce' degree program or BBA degree Program offered by any College or a University recognized by the UGC

#### I - YEAR

#### SEMESTER - I

Advanced Corporate Accounting and

Accounting Standards

Financial Management

Organizational Behaviour

**Managerial Economics** 

Elective - I - Income Tax Law & Practice

Soft Skills - I

#### SEMESTER - II

Advanced Cost and Management Accounting

Quantitative Techniques for Business Decisions

**Marketing of Services** 

Elective – II - Strategic Human Resources

Management and Development

Extra Disciplinary Elective paper – I - Total

**Quality Management** 

Soft Skills - II

#### II - YEAR

SEMESTER - III

Research Methodology

**Knowledge Management** 

Fundamentals of Information Technology

Elective – III - Advertising and Salesmanship

Elective – IV - Industrial Relations and Labour Welfare

Extra Disciplinary Elective paper – II – Business ethics, Corporate Governance & Social Responsibility

#### II - YEAR

SEMESTER - IV Management Information Systems Investment Analysis and Portfolio Theory Merchant Banking and Financial Services Project plus Viva- voce Elective – V - International Marketing



































### SRM ARTS AND SCIENCE COLLEGE

SRM Nagar, Kattankulathur, Chengalpattu Dtstrict - 603 203 Ph: 044-2745 4862, 2745 4863, 27451456 Fax: 044-2745 1487 E-mail: srmartsandscience@yahoo.co.in website: www.srmasc.ac.in

