

# ANNAI FATHIMA COLLEGE OF ARTS AND SCIENCE

## ALAMPATTI, THIRUMANGALAM, MADURAI

<b>PROGRAM OUTCOMES</b>
<b>BACHELOR OF ARTS</b>
<p>PO 1. The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.</p> <p>PO 2. The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.</p> <p>PO 3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.</p> <p>PO 4. The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.</p> <p>PO 5. The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.</p> <p>PO 6. Programme provides the base to be the responsible citizen.</p>
<b>BACHELOR OF COMMERCE</b>
<p>PO 1. The B. Com. graduates would be able to acquire basic and fundamental knowledge and skills for doing business and commercial activities of their choice.</p> <p>PO 2. The program also empowers the graduates to appear for various competitive exams or choose a profession of their choice such as CA, CS, ICWA, MBA, M.Com etc.</p> <p>PO 3. The program enables the students to aquire the accounting knowledge, management principles, retail trading, banking and insurance transactions, business economics and financial management.</p> <p>PO 4. The students also acquire knowledge in the field of management accounting, corporate accounting, statistical and mathematical techniques and knowledge relating to corporate law and business laws.</p> <p>PO 5. The students become capable of doing a business of their chioce or chosing a profession or can become employees having basic knowledge and skill required for such activities.</p>
<b>BACHELOR OF SCIENCE</b>
<p>PO 1. The B. Sc. Programme develops scientific temperament and attitude among the science graduates.</p> <p>PO 2. The qualities of a science – observation, precision, analytical mind, logical thinking, clarity of thought and expression, systematic approach, qualitative and quantitative decision making are enlarged.</p> <p>PO 3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice .</p> <p>PO 4. This programme train the learners to extract information, formulate and solve problems in a systematic and logical manner.</p> <p>PO 5. This programme enables the learners to perform the jobs in diverse fields such as science, engineering, industries, survey, education, banking, development-planning, business, public service, self business etc. efficiently.</p>
<b>BACHELOR OF COMPUTER APPLICATION</b>
<p>PO 1. B.C.A. programme facilitates the graduates to use and apply current technical concepts and practices in the core computer applications.</p>

PO 2. Identify computer application related problems, analyze them and design the system or provide the solution for the problem considering legal, ethical and societal issues.

PO 3. The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.

PO 4. Students learn to work and communicate effectively in interdisciplinary environment, either independently or in team, and demonstrate scientific leadership in academic and industry.

PO 5. Recognize the need for and an ability to engage in continuing professional development.

#### **BACHELOR OF BUSINESS ADMINISTRATION**

PO1 Upon completion of the BBA program, the individual must demonstrate maturity, professionalism and team working skills.

PO2 Upon completion of the BBA program the students will have general idea of operations in business.

PO3 Upon completion of the BBA program, the individual will have specialized skills to deal with area specific issues of concern.

PO4 Upon completion of the BBA program, the individual will be able to apply technological knowhow for business advancements.

PO5 Upon completion of the BBA program, the individual will be capable of analyzing, investigating and solving critical business issues.

#### **MASTER OF ARTS**

PO 1. The students acquire in depth knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough to solve the issues related with mankind.

PO 2. The postgraduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking of their respective subjects.

PO 3. The program also empowers the post-graduates to appear for various competitive examinations or choose the any post graduate or research programme of their choice.

PO 4. The M. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.

PO 5. The students will be ignited enough through the knowledge of the special PG programme to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.

PO 6. Through the PG programme the students will come know about research in their respective subject. It may also provide the information to the students for collection of Data, enquiry, primary and secondary methods of collection of data, classification and tabulation of data. Students get knowledge of various research methods and can realize the importance of research to find solutions of a specific issue.

#### **MASTER OF COMMERCE**

PO 1. The post graduate program provides the students advanced knowledge in the field of business and management and also enables the students to acquire the basic skills required for carrying out business activities, research, stock market operations, accounting practices, etc.

PO2. The program also provides them with adequate knowledge and skill to provide consultancy services in finance and marketing.

PO3. Similarly after completion of the program students can confidently prepare for NET, SET, and other competitive examinations of their choice.

#### **MASTER OF SCIENCE**

PO1. Ability to integrate and generate in-depth relevant scientific knowledge for the benefit of

related Course.

PO2. Ability to apply knowledge to perform project works scientifically to explain Course phenomena.

PO3. Ability to analyze and solve Course problems and also ability to evaluate situations and react responsibly to communicate, cooperate and lead a team among peers and others.

PO4. Ability to integrate professional ethics in life, organization, society and individual to fulfill the needs of mankind in both spiritual and material aspects.

PO5. Ability to acquire knowledge independently for continuous personal and professional development

PO6. Ability to explain managerial concepts and identify business opportunities and initiate action to achieve it.

### PROGRAMME SPECIFIC OUTCOMES

#### B.A. TAMIL

PSO 1 :  $\text{jkpo; ,yf;fpaq;fs;> ,yf;fzq;fspd; kuGfs;>kw;Wk jkpoh; gz;ghL;iLf Fwpj;jnjspT.}$

PSO 2 :  $\text{jkpo; ,yf;fpak kw;Wk ,yf;fzj;jpy; Mo;e;jGyik}$

PSO 3 :  $\text{jkpo; ,yf;fpaj;jpd; mwk rhh;e;jfUj;Jf;fisCzh;jy;}$

PSO 4 :  $\text{jkpo; ,yf;fpak ,yf;fzq;fspy; mwpKfepiyapyhdMa;TfisNkw;nfh;sy;}$

PSO 5 :  $\text{jkpo; ,yf;fz ,yf;fpzq;fisgpwnkhop ,yf;fz ,yf;fpaq;fSLd xg;gpL;Lf; fhzy;}$

#### B.A. ENGLISH

PSO 1 : To enable students to gain proficiency in the use of English language.

PSO 2 : To expose them to classics in English literature.

PSO 3 : To enable them gain knowledge of the social and literary history of England, the literary genres, the literary movements, and the various schools of thought in literary criticism.

PSO 4 : To develop their vocabulary and English language skills so as to enable them perform well in competitive examinations, like Public Service Commission Examination, TOEFL & GRE.

PSO 5 : To expose them face challenges in mass media.

PSO 6 : To help the students to develop career-oriented skills through elective courses.

PSO 7 : To develop the skills the students really like to develop through choice based credit system.

#### B.A. HISTORY

PSO 1 : To make the students to understand the present existing social, political, religious and economic conditions of the people.

PSO 2 : The students learn their own History and its value.

PSO 3 : To make the students aware of past glory of India and its achievements in all around.

PSO 4 : To make the students to explain the present, to analyze it and to trace its course.

PSO 5 : To prepare the students towards Competitive Examinations and preferably for Executive officer in the TamilNadu Government and UPSC Examinations.

#### B.Com.

PSO 1 : To develop basic skills in the subjects of Commerce and computer subjects.

PSO 2 : To expose the students to computer applications in the field of Commerce / Business.

PSO 3 : To develop entrepreneurial skill.

<b>B.Com. COMPUTER APPLICATION</b>
<p>PSO 1 : To develop basic skills in the subjects of Commerce and computer subjects.</p> <p>PSO 2 : To expose the students to computer applications in the field of Commerce / Business.</p> <p>PSO 3 : To develop entrepreneurial skill.</p> <p>PSO 4 : Upon Successful completion of this course it is expected that student will be capable of producing innovative solutions to business activities and applying computer based knowledge and skill to business challenges.</p>
<b>B.Sc. MATHS</b>
<p>PSO 1 : To provide students with a systematic understanding of core areas</p> <p>PSO 2 : To offer the students a range of ways to develop their skills and knowledge</p> <p>PSO 3 : To lay a foundation for a wide choice of careers and particularly careers requiring problem solving abilities</p> <p>PSO 4 : To provide the foundation for higher education in Mathematics.</p>
<b>B.Sc. PHYSICS</b>
<p>PSO 1 : Physics encompasses the study of the universe from the smallest subatomic particles to the largest galaxies.</p> <p>PSO 2 : Moreover it is the basis if many other sciences like chemistry, oceanography, seismology and can be applied to biology or medical sciences.</p> <p>PSO 3 : Physics challenges our imagination with concepts like relativity and string theory.</p> <p>PSO 4 : It leads to great discoveries like computers and lasers that lead to technologies.</p> <p>PSO 5 : It helps the students to understand the world around us, the world inside us and the world beyond us.</p>
<b>B.Sc. COMPUTER SCIENCE</b>
<p>PSO 1 : To prepare the students to manage the software components in a computer independently</p> <p>PSO 2 : To be an expertise in Program developing.</p> <p>PSO 3 : To motivate the students to take up higher studies in Computer Science and other streams.</p> <p>PSO 4 : To analyze a problem, identify and define the computing requirements, which may be appropriate to its solution</p>
<b>B.Sc. INFORMATION TECHNOLOGY</b>
<p>PSO 1 : To becomes a dynamic Programmer / Network Designer / System Administrator / IT Consultants / Web Designer with updated Web Development Technologies / System Engineer.</p> <p>PSO 2 : Performs technological tasks relating the processing, storing and communication of information between computers, Mobile phones and other electronic devices.</p> <p>PSO 3 : IT emphasizes the secure management of large amounts of variable information and its accessibility via a wide variety of systems both local and World Wide.</p> <p>PSO 4 : Facilitates the development and application of problem solving skills in students.</p>
<b>B.Sc. FORENSIC SCIENCE</b>

- PSO 1 : To emphasize the importance of scientific methods in crime identification and detection.
- PSO 2 : To disseminate information on the advancements in the field of forensic science.
- PSO 3 : To highlight the importance of forensic science for perseverance of the society.
- PSO 4 : To review the steps necessary for achieving highest excellence in forensic science.
- PSO 5 : To generate talented human resource, commiserating with latest requirements of forensic science.
- PSO 6 : To use technological advancements in the investigation of crimes and its occurrences.
- PSO 7 : To provide a platform for students and forensic scientists to exchange views, chalk- out collaborative programs and work in a holistic manner for the advancement of forensic science.

### **B.Sc. FORENSIC SCIENCE AND CRIMINOLOGY**

- PSO 1 : To emphasize the importance of scientific methods in crime identification and detection.
- PSO 2 : To disseminate information on the advancements in the field of forensic science and criminology.
- PSO 3 : To highlight the importance of forensic science for perseverance of the society.
- PSO 4 : To review the steps necessary for achieving highest excellence in forensic science & criminology.
- PSO 5 : To generate talented human resource, commiserating with latest requirements of forensic science.
- PSO 6 : To use technological advancements in the investigation of crimes and its occurrences.
- PSO 7 : To provide a platform for students and forensic scientists to exchange views, chalk- out collaborative programs and work in a holistic manner for the advancement of forensic science & criminology

### **10. B.Sc. HOSPITAL MANAGEMENT**

- PSO 1 : To equip them with specific knowledge and skills for junior and middle positions of responsibilities in Hospital Industry.
- PSO 2 : Participative methods of instruction are adopted.
- PSO 3 : Class works are supplemented with internship report for enhancing their research interests.
- PSO 4 : To provide a platform for students chalk- out collaborative programs and work in a holistic manner for the advancement of Hospital Management.
- PSO 5 : To provide the foundation for higher education in Management Studies.

### **B.Sc. TOURISM AND HOSPITALITY MANAGEMENT**

- PSO 1 : To create a comprehensive under graduation in the emerging field of Tourism Education.
- PSO 2 : To blend the Tourism and Hotel Management Subjects appropriately.
- PSO 3 : To develop more job opportunities to the wards through the provision of a double major course
- PSO 4 : To impart professionalism in Tourism Service through appropriate Tourism Education.
- PSO 5 : To inculcate administrative orientation through Tourism Management Subjects.
- PSO 6 : To inculcate service orientation through Hotel Management Subjects.

### **B.Sc. HOTEL MANAGEMENT AND CATERING SCIENCE**

- PSO 1 : Provide the student with an introduction to the world of hospitality particularly to business as it applies to the hotel industry. More specifically, the course will provide an opportunity for you.
- PSO 2 : Become acquainted with the social, economic and environmental context within which the hospitality industry operates.
- PSO 3 : Understand the structure, nature and operating characteristics of the different sectors of the hospitality industry: food service, lodging and tourism, cruise line, airline and other welfare sectors also.
- PSO 4 : Obtain an appreciation of the various functions of management and their interrelationships with other key concerns of managers such as accounts, marketing, finance and human resource management and to identify the role of managers in the hospitality industry and to highlight their principal responsibilities.
- PSO 5 : Provide an opportunity for further developing those skills which are important to learning, e.g. library skills, study skills, and so forth
- PSO 6 : Be able to judge whether the hospitality profession suits your abilities, tastes, and career interests.

### **B.Sc. CULINARY ARTS**

- PSO 1 : Provide the student with an introduction to the world of hospitality particularly to business as it applies to the hotel industry. More specifically, the course will provide an opportunity for you.
- PSO 2 : Become acquainted with the social, economic and environmental context within which the hospitality industry operates.
- PSO 3 : Understand the structure, nature and operating characteristics of the different sectors of the hospitality industry: food service, lodging and tourism, cruise line, airline and other welfare sectors also.
- PSO 4 : Obtain an appreciation of the various functions of management and their interrelationships with other key concerns of managers such as accounts, marketing, finance and human resource management and to identify the role of managers in the hospitality industry and to highlight their principal responsibilities.
- PSO 5 : Provide an opportunity for further developing those skills which are important to learning, e.g. library skills, study skills, and so forth
- PSO 6 : Be able to judge whether the hospitality profession suits your abilities, tastes, and career interests.

### **B.Sc. HOSPITALITY MANAGEMENT**

- PSO 1 : Provide the student with an introduction to the world of hospitality particularly to business as it applies to the hotel industry. More specifically, the course will provide an opportunity for you.
- PSO 2 : Become acquainted with the social, economic and environmental context within which the hospitality industry operates.
- PSO 3 : Understand the structure, nature and operating characteristics of the different sectors of the hospitality industry: food service, lodging and tourism, cruise line, airline and other welfare sectors also.
- PSO 4 : Obtain an appreciation of the various functions of management and their interrelationships with other key concerns of managers such as accounts, marketing,



<p>finance and human resource management and to identify the role of managers in the hospitality industry and to highlight their principal responsibilities.</p> <p>PSO 5 : Provide an opportunity for further developing those skills which are important to learning, e.g. library skills, study skills, and so forth</p> <p>PSO 6 : Be able to judge whether the hospitality profession suits your abilities, tastes, and career interests.</p>
<b>B.Sc. FIRE AND SAFETY MANAGEMENT</b>
<p>PSO 1 : To educate and train a person to a skilled level of expertise in the domain area of Fire and Safety</p> <p>PSO 2 : To enable the students to acquire knowledge of Fire and Safety Studies</p> <p>PSO 3 : To provide an opportunity for further developing those skills which are important to learning, e.g. library skills, study skills, and so forth</p> <p>PSO 4 : To develop safety professionals for both technical and management through systematic and quality based study programmes</p>
<b>BCA COMPUTER APPLICATION</b>
<p>PSO 1 : Understand the fundamental concepts of Computers and IT Applications.</p> <p>PSO 2 : Learn technologies and computer languages, so the problems could be addressed.</p> <p>PSO 3 : Successfully understand and analyze data to come out technological solutions.</p> <p>PSO 4 : To identify and sharpen their IT/ programming skills.</p> <p>PSO 5 : Develop competent technical skills and ideas to communicate public.</p>
<b>BBA AVIATION MANAGEMENT</b>
<p>PSO 1 : To prepare the higher secondary students of above average attainments for a course that will equip them with specific knowledge and skills for junior and middle positions of responsibilities in commercial aviation organizations, after an initial spell of practical experience in their career.</p> <p>PSO 2 : It is therefore, advisable to organize the instruction on the lines of professional courses.</p> <p>PSO 3 : Participative methods of instruction are adopted.</p> <p>PSO 4 : Class work may be supplemented with field study report for enhancing their research interests.</p>
<b>M.A. TAMIL</b>
<p>PSO 1 : <math>\text{jkpo; ,yf;fpaq;fs;&gt; ,yf;fzq;fspd; kuGfs;&gt;kw;Wk jkpoh; gz;ghL;iLf Fwpj;jnjspT.}</math></p> <p>PSO 2 : <math>\text{jkpo; ,yf;fpak kw;Wk ,yf;fzj;jpy; Mo;e;jGyik}</math></p> <p>PSO 3 : <math>\text{jkpo; ,yf;fpaj;jpd; mwk rhh;e;jfUj;Jf;fisCZh;jy;}</math></p> <p>PSO 4 : <math>\text{jkpo; ,yf;fpak ,yf;fzq;fspy; mwpKfepiyapyhdMa;TfisNkw;nfh;sy;}</math></p> <p>PSO 5 : <math>\text{jkpo; ,yf;fz ,yf;fpzq;fisgpwnkhop ,yf;fz ,yf;fpaq;fSLd xg;gpL;Lf; fhzy;}</math></p>
<b>M.A. ENGLISH</b>

- PSO 1 : Graduates are expected to broaden their horizons and perspectives.
- PSO 2 : By getting enriched by the literary ideas of the great minds of literature, students are enabled to find the humanity within their own hearts.
- PSO 3 : The Program may be structured in a way to attract aspirants of journalism, media, civil services, marketing, Public Relations, Publishing career and academics.

### **M.Com.**

- PSO 1 : To enable the students to pursue research programmes – M.Phil., & Ph.D.
- PSO 2 : To enable the students to pursue professional courses viz. CA, CMA and CS.
- PSO 3 : To facilitate the students employable by equipping employability skills.
- PSO 4 : To develop business acumen either to become an entrepreneur or facilitate entrepreneurs.
- PSO 5 : Making the students eligible for employment in teaching profession.
- PSO 6 : Equipping the students to complete Intermediate CA, CMA and CS courses.
- PSO 7 : Making the students employable in Corporate sector
- PSO 8 : Including confidence among the students to appear for competitive examinations.

### **M.Sc. FORENSIC SCIENCE AND CRIMINOLOGY**

- PSO 1 : To emphasize the importance of scientific methods in crime detection.
- PSO 2 : To disseminate information on the advancements in the field of forensic science.
- PSO 3 : To highlight the importance of forensic science for perseverance of the society.
- PSO 4 : To review the steps necessary for achieving highest excellence in forensic science.
- PSO 5 : To generate talented human resource, commensuration with latest requirements of forensic science.
- PSO 6 : To provide a platform for students and forensic scientists to exchange views, chalk out collaborative programs and work in a holistic manner for the advancement of forensic science.
- PSO 7 : To Fulfill the vision and mission of esteemed both central and state government.
- PSO 8 : Analyze problems and use appropriate scientific and professional tools to solve it.
- PSO 9 : Execute experimental design, analyze the data and evaluate the weight and applicability of forensic evidence for investigative and court purposes.
- PSO 10 : Acquire the art of logical and probabilistic thinking, evaluating hypotheses, analyzing, and presenting complex phenomenon.
- PSO 11 : Write the technical presentation, report and present the evidence effectively in court.

### **M.Sc. HOTEL MANAGEMENT AND CATERING SCIENCE**

- PSO 1 : Provide the students with an introduction to the world of hospitality particularly to business as it applies to the hotel industry. Become acquainted with the social, economic and environmental context within which the hospitality industry operates.
- PSO 2 : Understand the structure, nature and operating characteristics of the different sectors of the hospitality industry: food service, lodging and tourism, cruise line, airline and railways other welfare sectors.
- PSO 3 : Obtain an appreciation of the various functions of management and their interrelationships with other key concerns of managers such as accounts, marketing, finance and human resource management and to identify the role of managers in the hospitality industry and to highlight their principal responsibilities.



PSO 4 : Be able to judge whether the hospitality profession suits your abilities, tastes, and career interests.

PSO 5 : Develop the entrepreneurial skills in students.

### COURSE OUTCOMES

#### B.A. ENGLISH

#### SEMESTER I

1	CORE	Prose	<b>CO1:</b> To help the students understand prose as a genre of literature and to appreciate the expressions of various authors.
2	CORE	Short Stories	CO 1. To introduce a galaxy of writers representing various nationalities. CO 2. To help students understand the various techniques used by the writers CO 3. To sensitize students on the socio-cultural significance as manifested through the prescribed texts
3	ALLIED	Literary Forms	CO 1. To enable the students to understand different types of genre in English literature and to appreciate with aesthetic sense. CO 2. To enable the students to write verse on their own and also to equip their literary sense with more knowledge of literature.
4	ELECTIVE	Functional English	CO 1. To enable the student to have direct access to functional aspects of English language. CO 2. To equip the students to learn language as a medium for communication and to enable him to interact with others. CO 3. To make him acquire the communication skill.

#### SEMESTER II

1	CORE	Poetry	CO 1. To expose the student to the various poetic styles of great poets and to enable them to understand and appreciate with literary favor.
2	CORE	Fiction	CO 1. To enable the students to appreciate fiction as a kind of genre

			CO 2. To expose the students to the various aspects of society with its multi various situation as perceived by the novelist and also the outcome of fictional justice.
3	ALLIED	Social History Of England	CO 1. To enable the students to understand social changes that occurred over the centuries CO 2. To equip the students to have direct impacts of social history of England
4	ELECTIVE	Functional English- II	CO 1. To enable the student to have direct access to functional aspects of English language. CO 2. To equip the students to learn language as a medium for communication and to enable him to interact with others. CO 3. To make him acquire the communication skill.
<b>SEMESTER III</b>			
1	ALLIED	Advanced English Grammar and Usage	CO 1. To equip the students learn Grammar as a course to enable them to speak without mistake as an eye opener.
2	ELECTIVE	History of English Literature – I	CO 1. To enable the students to understand the various changes occurred over the centuries in the field of English literature from Chaucer to modern age. CO 2. To equip the students to have first and knowledge about the history of English literature from its origin.
3	SKILL	Word Power III	CO 1. To introduce the students the various aspects and functions of word CO 2. To equip them use word in different occasion and enable them learn a lot for better communication level.
4.	SKILL	Creative Writing	CO 1. To teach students to write original works in verse and prose, to help students acquire the tools of good writing, and to allow them to develop their individual

			voices/self-expression
<b>SEMESTER IV</b>			
1.	CORE	Indian Writing in English	CO 1. To make learners aware of the history and the growth of Indian Writing in English CO 2. To introduce learners to the rich literary tradition in Indian Writing in English CO 3. To enable learners to appreciate the changing trends in Indian literature in English
2.	CORE	Twentieth Century Literature	CO 1. To enable the students gain adequate knowledge of the trend of the age and appreciate the various aspects of the era. CO 2. To enjoy the work of art of the famous literary figures of the age and comment critically.
3.	ALLIED	Phonetics and Spoken English	CO 1. To stimulate the students' articulation of English language CO 2. To develop the skill of sound production in English with neutral accent. CO 3. To help students acquire basic conversational and presentation skills. CO 4. To enhance their confidence in the usage of English for communicative purpose CO 5. To administer a student centric, skill based curriculum that involves participatory learning
4.	ELECTIVE	The History of English Literature – II	CO 1. To enable the students to develop an authentic taste towards English literature CO 2. To assist the students to have basic knowledge of various authors in their respective genre
5.	SKILL	Presentation Skills	CO 1. To equip the student face any situation boldly and interact with others with lingual confidence
6.	SKILL	Soft Skills for Employment	CO 1. To make the learner fit to the

		Skills	existing demands in the field of employment to ascertain the students can perform miracle when soft skills knowledge is endowed.
<b>SEMESTER V</b>			
1.	CORE	Drama	CO 1. To expose the students to the various socio economic and political scenario of the world through the study of modern drama of different continent and also to appreciate the literature.
2.	CORE	American Literature	CO 1. To help learners get acquainted with the richness of American literature through representative works of poets, essayists and novelists. CO 2. To introduce learners to important aspects in various genres of American literature.
3.	CORE	New Literatures in English	CO 1. To introduce students of English to the great body of contemporary world literature beyond the Western literature. CO 2. To expose them to the ideas of Colonialism and Post-colonialism and their effects through literature. CO 3. To develop their awareness about multi-culturalism and contemporary global politics. CO 4. To administer a student centric, skill based curriculum in literature that involves participatory learning.
4.	CORE	Women's Writing in English	CO 1. To sensitize students of both genders about issues surrounding women's life CO 2. To create awareness about feminism as a socio-political ideal through literature. CO 3. O help students understand human rights from gender point of view and develop empathy

			towards women's emotional needs. CO 4. To help promote gender sensitivity and equality among student
5.	CORE	Journalism and Mass Communication	CO 1. To introduce the students to one of the most applicable areas of English language and literature studies CO 2. To stimulate their interest in Journalism and Mass Communication for higher studies and / or for a career CO 3. To develop transferable skills in writing which would be useful for employment CO 4. To administer a student centric curriculum that involves participatory learning
6.	ELECTIVE	Literary Criticism 1	CO 1. To introduce the students to the origin and development of literary criticism CO 2. To help them understand the critical evaluation from ancient to the modern CO 3. To make the students to demonstrate an ability to grasp and synthesize ideas CO 4. To enable the students the critical ability to analytically evaluate literature
<b>SEMESTER VI</b>			
1.	CORE	SHAKESPEARE	CO 1. To help students get a bird's eye view of the Shakespearean canon CO 2. To expose the students to the types of Shakespearean plays – Tragedy, comedy and History CO 3. To enable students gain knowledge of the socio-political scenario as manifested in the plays CO 4. To sensitize the students on Shakespeare's contribution to the realm of English language CO 5. To help learners understand the evolution of drama with special reference to the features of

			Shakespearean theatre
2.	CORE	English Language Teaching	CO 1. To expose learners to various approaches and methods, aspects and strategies of teaching English CO 2. To help learners understand the essential components and concepts of language teaching
3.	CORE	Translation Theory and Practice	CO 1. To introduce translation as a kind of genre to enable the students appreciate the total essence of literature with aesthetic pleasure. CO 2. To enable the student to translate any given passage or stanza without any literary inhibition
4.	CORE	Introduction to Literary Theories	CO 1. To make the students understand the different avenues and perspectives in reaching the genre by way of various literary theories propounded by leading creative writers of different ages. CO 2. To enable the learner appreciate the theories of modern literature.
5.	CORE	English for Employment	CO 1. By the end of the course the students would be aware of the patterns of various competitive examinations and would improve the skills needed for employment in various sectors. CO 2. The students will be aware of the competitive exams that would enable them to make entry into jobs.
6.	ELECTIVE	Literary Criticism II	CO 1. To introduce the students to the origin and development of Literary Criticism CO 2. To help them understand the critical evaluation from ancient to the modern CO 3. To make the students to demonstrate an ability to grasp and synthesize ideas CO 4. To enable the students the critical ability to analytically evaluate literature
<b>B.A. HISTORY</b>			
<b>SEMESTER I</b>			



1.	CORE	History of India upto 900 A.D.	CO 1. To enable the students to appear for the Competitive Examinations. CO 2. To understand about early civilizations of India. CO 3. To study about early religions of India and administration of early rulers.
2.	CORE	History of Tamil Nadu Sangam Age To 1565 AD	CO 1. To explain the Political, Social and Economic conditions of ancient TamilNadu CO 2. To enable the students understand the antiquity of Tamil Nadu CO 3. To make the students feel proud of their glory of cultural heritage of Tamils.
3.	ALLIED	Modern Governments I	CO 1. To make the Students understand the basic concepts of constitution. CO 2. To impart them to analyze the working of political institutions CO 3. To enable the students shine in Competitive Examinations.
4.	ALLIED	Introduction to Public Administration I	CO 1. To enable the students to understand the administrative machinery CO 2. To know the qualities of leadership and decision making CO 3. To promote the understanding of political structure and economic environments
5.	ELECTIVE	Freedom Movement in India Since 1801 A.D	CO 1. To know the Early movements of India CO 2. To understand the Rise of Nationalism and the Emergence of Indian National Congress CO 3. To study about Gandhian Movements and the contribution of Freedom fighters.
<b>SEMESTER II</b>			
1.	CORE	History of India 900 to 1761 A.D.	CO 1. To know the foundation of Slave dynasty CO 2. To make the students understand the establishment of Islamic power in India CO 3. To know the great contribution of Mughal Architecture.
2.	CORE	History of Tamilnadu 1565 to	CO 1. To appreciate the administration

		1947 A.D.	and achievements of the Tamil rulers. CO 2. To make the students to understand the significance of Tamil Country under Nayaks. CO 3. To assess the role of Tamil Nadu in India's Freedom Movement.
3.	ALLIED	Modern Governments II	CO 1. To make the Students to study about various Constitutions. CO 2. To impart them the working of Political Institutions CO 3. To enable the students shine in Competitive Examinations
4.	ALLIED	Public Administration in India	CO 1. To enable the students prepare for competitive examinations CO 2. To understand the evolution of Public Administration in India CO 3. To study the administration of state government
5.	ELECTIVE	Constitution of India	CO 1. To make the students to learn the Constitution of India. CO 2. To make them aware of the actual working of political institutions in India CO 3. To enable the students shine in competitive examinations.
<b>SEMESTER III</b>			
1.	CORE	History Of India (1761-1947 A.D)	<b>CO 1.</b> To provide historical background of the conquest of India by the European Powers. <b>CO 2.</b> To give knowledge about the Socio Religious Reform Movements among the students community <b>CO 3.</b> To enable the students understand the different facets of the Indian National Movement.
2.	CORE	Contemporary History of Tamilnadu ( 1947 – 2006 A.D.)	CO 1. To understand the political leaders of the contemporary Tamil Nadu. CO 2. To identify the social schemes and programmes in Tamil Nadu. CO 3. To explain the political, social and economic development in contemporary Tamil Nadu.
3.	ALLIED	Fundamentals of Tourism	CO 1. To know the meaning of Tourism CO 2. To understand the development of

			Tourism as an Industry CO 3. To enable the students knowing the economic, social and cultural values of Tourism
4.	SKILL	Panchayat Raj	CO 1. To impart the main duties of Panchayat Administration. CO 2. To make aware of programmes for the progress of Villagers. CO 3. To make the students realize the importance of the decentralization.
<b>SEMESTER IV</b>			
1.	CORE	Contemporary History of India (1947 - 2005 A.D.)	CO 1. To know the contemporary history of India so as to become responsible citizens CO 2. To enable the students understand the current problems in India so that they could find answer to them. CO 3. To know the development of independent India.
2.	CORE	History of Europe (1453 - 1789A.D.)	CO 1. To know importance of Geographical Discoveries CO 2. To understand the fall of Papacy in Europe CO 3. To study about enlightened despotism
3.	ALLIED	Tourism Business	CO 1. To study the cultural aspects of temples and archaeological monuments. CO 2. To develop the practical skill in travel formalities and in guiding the Tourists CO 3. To study the transportation and accommodation facilities in India.
4.	SKILL	Journalism	CO 1. To understand the importance of journalism in India CO 2. To make the students viable for future work in T.V, Radio, Newspaper and Web media. CO 3. To create awareness towards the multifarious acts to protect truth and morality in the society.
<b>SEMESTER V</b>			
1.	CORE	History of Europe (1789-1919 A.D.)	CO 1. To understand the age of revolutions CO 2. To study the unification of Italy

			and Germany CO 3. To know about the liberal movements in Europe
2.	CORE	History of World Civilization	CO 1. To know about civilizations of various countries CO 2. To make the students understand the value of civilizations CO 3. To analyze the evolution features and legacy of World civilizations
3.	CORE	Elements of Historiography	CO 1. To understand the meaning, scope and purpose of History CO 2. To analyse the research contributions of Historians and research techniques in History. CO 3. To understand the methodology of historical writing.
4.	CORE	History of the USA (from Colonization to 1865 A.D.)	CO 1. To identify the significant events that contributed to the development of the United States. CO 2. To discuss the major historical events in American history from colonization to the Civil War. CO 3. To discuss the sources of historical change in the American Society.
5.	ELECTIVE	Women's Studies	CO 1. To appreciate the Universality of issues and factors pertaining to women. CO 2. To identity the diversity and regional perspective of women. CO 3. To develop self-esteem and initiate discussion on current issues.
6.	ELECTIVE	Fundamentals of Computer	CO 1. To learn the basics of computer and its data representation. CO 2. To know about input, output units and Computer Languages. CO 3. To make students to use the Multi facilities available in computers.
7.	ELECTIVE	History of Science and Technology Since 1453 A.D	CO 1. To create an interest in the students to know more about scientific and Technological innovations CO 2. To illustrate the technological growth in nineteenth century CO 3. To estimate the services of

			scientists in promoting India as a potential nation
8.	SKILL	Archives Keeping	CO 1. To know the origin of Archives in Ancient period. CO 2. To understand the development of Archives. CO 3. To ascertain the values of Archives Keeping.
<b>SEMESTER VI</b>			
1.	CORE	History Of The Modern World (1919-1991a.D.)	CO 1. To study the causes of the Second World War CO 2. To know about Nazism, Fascism and the impact of Cold War CO 3. To analyze the importance of Regional alliances
2.	CORE	History Of The Usa (1865 - 1945 A.D.)	CO 1. To identify the events contributing to the development of the United States. CO 2. To discuss the interpretations of major historical events in American history from Reconstruction to the Second World War. CO 3. To discuss the sources of historical change and explain relationship pertaining to historical transformations.
3.	ELECTIVE	Constitutional History of India (1773 – 1950 A.D)	CO 1. To know the Constitutional developments in India. CO 2. To enrich the knowledge of the students with the form of Government by which they are governed. CO 3. To install a deep interest in the preservation of unity, integrity and solidarity of our Nation
4.	ELECTIVE	History of Madurai	CO 1. To understand and appreciate the historical significance of Madurai. CO 2. To analyze the economic development of Madurai. CO 3. To assess the cultural importance of Madurai.
5.	ELECTIVE	Archaeology	CO 1. To explain the importance of archaeology in the study of history. CO 2. To learn the different methods of

			archaeological excavation. CO 3. To expose and excavate the various archaeological sites in India.
6.	ELECTIVE	Tourism in India	CO 1. To create an awareness among the students on Indian Tourism CO 2. To encourage the visiting habits of Students to various Tourist spots. CO 3. To explain the importance of the historical monuments and National heritage. CO 4. To study the Transport and accommodation facilities for the Tourists.
7.	SKILL	Indian Architecture	CO 1. To appreciate the rich architectural heritage of India CO 2. To identify the different architectural styles of different regions of India. CO 3. To enrich the knowledge of the students with the various architectural forms of India.
8.	SKILL	Epigraphy	CO 1. To realise the students about the importance of epigraphic evidence as a primary source of history. CO 2. To enable students understand the evolution of Tamil Script. CO 3. To teach students the technical know-how to estampage the inscriptions.
9.	SKILL	Intellectuals of India	CO 1. To enable the students understand the Freedom fighters CO 2. To make the students aware of the leaders of socio-religious reform movements CO 3. To understand the achievements of the leaders of Indian Women
<b>B.COM.</b>			
<b>SEMESTER I</b>			
1.	CORE	Managerial Economics	CO 1. Develop an understanding of the applications of managerial economics. CO 2. Interpret regression analysis and discuss why it's employed in decision-making.



			CO 3. Discuss optimization and utility including consumer behavior.
2.	CORE	Marketing	CO 1. To provide basic knowledge of concepts, principles, tools and techniques of marketing
3.	CORE	Financial Accounting – I	CO 1. To help students to acquire conceptual knowledge of the financial accounting and to impart skills for recording various kinds of business transactions.
4.	ELECTIVE	Business Accounting	CO 1. To help to the students to know the basic accounting principles and impart basic skill to record the business transactions.
<b>SEMESTER II</b>			
1.	CORE	Economic Development of India	CO 1. Develop ideas of the basic characteristics of Indian economy, its potential on natural resources. CO 2. Understand the importance, causes and impact of population growth and its distribution, translate and relate them with economic development.
2.	CORE	Principles of Management	CO 1. To expose of the students to basic concepts of management.
3.	CORE	Financial Accounting –II	CO 1. To help the students to acquire the knowledge and impart the skills about different kinds of Financial Accounting Methods.
4.	ELECTIVE	Advertising and Salesmanship	CO 1. To familiarize the students with fundamentals of advertising and Salesmanship
<b>SEMESTER III</b>			
1.	CORE	Banking Theory Law and Practice	CO 1. To impart knowledge about the basic principles of Banking.
2.	CORE	Financial Accounting III	CO 1. To help the students to acquire the knowledge and impart skills about different kinds of Financial Accounting Methods.
3.	CORE	Business Statistics	CO 1. To familiarize the students with the application of statistics in business Decision making
4.	CORE	Cost Accounting	CO 1. To acquaint the students with

			basic concepts used in the cost accounting, various methods involved in cost ascertainment and cost accounting book keeping system.
5.	CORE	Fundamentals of Company Law	CO 1. To impart basic knowledge of the provisions of companies Act 2013.
6.	NME	Fundamentals of Computer	CO 1. To impart basic knowledge of computer and simple programs.
<b>SEMESTER IV</b>			
1.	CORE	Auditing	CO 1. To impart the knowledge of auditing principles and procedures.
2.	CORE	Business Mathematics	CO 1. To familiarize students with the application of mathematics in business decision making.
3.	CORE	Management Accounting	CO 1. To impart knowledge of profit planning, decision making and give information about budgeting.
4.	CORE	Financial Accounting– IV	CO 1. To enable students to gain expert knowledge on partnership Accounts.
5.	CORE	Services Marketing	CO 1. To enable students to gain expert knowledge on marketing of various services.
6.	NME	Goods and Services Tax	CO 1. To understand the concept and the importance of goods and services tax in the Context of Indian economy.
<b>SEMESTER V</b>			
1.	CORE	Financial Accounting – V	CO 1. To familiarize the students with the principles of joint stock Company Accounts.
2.	CORE	Business Laws	CO 1. To impart basic Knowledge of the important business legislations.
3.	CORE	Income Tax Law and Practice –I	CO 1. To provide the basic knowledge and equip students with application of principles and provisions of income tax Act 1961 and latest relevant Rules.
4.	CORE	Entrepreneurship Development	CO 1. To orient the learner towards entrepreneurship as a career option and creative thinking and behavior.
5.	SKILL	Export - Import Procedures and Documentation	CO 1. To impart basic knowledge on Export and import documentation

			and procedures.
<b>SEMESTER VI</b>			
1.	CORE	Industrial Relations and Labor Laws	CO 1. To impart the basic Knowledge of the important labor legislations.
2.	CORE	Income Tax Law and Practice – II	CO 1. To acquaint students to know the latest income tax law and enable them to file income tax returns.
3.	ELECTIVE	Operations Research	CO 1. To acquaint the students with the use of quantitative model in decision making.
4.	ELECTIVE	Business Environment	CO 1. To provide the knowledge about different kinds of environment which affect business.
5.	CORE	Financial Accounting – VI	CO 1. To enable the students to understand the detailed concepts of Corporate accounting methods of different types of companies.
6.	ELECTIVE	Retail Marketing	CO 1. To acquire the knowledge of various functions, principles associated with Retail marketing.
7.	ELECTIVE	Human Resource Management	CO 1. To impart knowledge on the concepts and principles of HRM followed in different types of organization.
8.	ELECTIVE	Financial Markets and Services	CO 1. To understand the rules & regulation and functions of money market and capital market and their services.
9.	SKILL	M.S. Office & Tally – Theory	CO 1. To provide computer skill and knowledge for commerce students and help them to understand the usefulness of M.S. Office and Tally programs.
10.	SKILL	M.S.Office & Tally - Lab.	CO 1. To provide the practical knowledge about M.S.Office and Tally Programs.
11.	SKILL	Commerce Practical	CO 1. To enable the students to have practical knowledge of using various forms.
<b>B.COM CA</b>			
<b>SEMESTER I</b>			
1.	CORE	Introduction to Pc Software and Ms Office	CO 1. This syllabus trains students how to use MS Office applications to carry out office works.
2.	CORE	Pc Software and DTP – Lab	CO 1. This lab helps to understand the various steps in designing a creative and dynamic website. CO 2. They will able to write html,

			JavaScript, CSS and applet codes.
3.	CORE	Financial Accounting – I	CO 1. To help the students to acquire conceptual knowledge of the financial accounting and to impart skills for recording various kinds of business transactions
4.	SKILL	Business Accounting	CO 1. To help the students to know the basic accounting principles and impart basic skill to record the business transactions.
<b>SEMESTER II</b>			
1.	CORE	Business Application Programming	CO 1. This syllabus focus on the language and syntax of C as well as some basic programming concepts
2.	CORE	Business Application Programming Lab	CO 1. This course aims to improve students programming skills through application and extension of Java skills within the business domain. CO 2. This course builds on the knowledge and skills acquired in Fundamentals of Business Programming
3.	CORE	Financial Accounting – II	CO 1. To help the students to acquire the knowledge and impart the skills about different kinds of Financial Accounting methods.
4.	SKILL	Advertising and Salesmen ship	CO 1. To familiarize the students with fundamentals of adverting and salesmanship
<b>SEMESTER III</b>			
1.	CORE	Database Applications	CO 1. This syllabus help the students to analyze database requirements and understand the basic concepts of database maintain using SQL and PL/SQL.
2.	CORE	Database Applications – (Oracle) Lab	CO 1. Develop a broad understanding of database concepts and database management system software, data models, schemas and instances, data constraints, relational.
3.	CORE	Financial Accounting III	CO 1. To help the students to acquire the knowledge and impart skills about

			different kinds of Financial Accounting methods.
4.	ELECTIVE	Business Statistics	CO 1. To familiarize the students with the application of statistics in business decision making
5.	ELECTIVE	Cost Accounting	CO 1. To acquaint the students with basic concepts used in the cost accounting, various methods involved in cost ascertainment and cost accounting book keeping system.
6.	SKILL	Retail Marketing	CO 1. This syllabus covered for retail marketing in an around areas.
<b>SEMESTER IV</b>			
1.	CORE	Introduction to Visual Programming	CO 1. This syllabus is designed to guide the students in developing applications with GUI interfaces.
2.	CORE	Introduction to Visual Programming (Lab )	CO 1. It includes basic programming concepts, problem solving, programming logic, and the design of event-driven programming.
3.	CORE	Banking Theory Law and Practice	CO 1. To help the students to know about the basic principles of banking and its practices
4.	CORE	Business Mathematics	CO 1. To familiarize the students with the applications of mathematics in business decision making.
5.	CORE	Financial Accounting – IV	CO 1. To enable students to gain expert knowledge on partnership Accounts.
<b>SEMESTER V</b>			
1.	CORE	Financial Accounting – V	CO 1. To familiarize the students with the principles of joint stock Company Accounts.
2.	CORE	Business Laws	CO 1. To impart basic Knowledge of the important business legislations.
3.	CORE	Income Tax Law and Practice – I	CO 1. To provide the basic knowledge and equip students with application of principles and provisions of income tax Act 1961 and latest relevant Rules.
4.	CORE	Introduction to Multimedia And DTP	CO 1. This syllabus is designed to demonstrate knowledge of terminology related to desktop publishing, graphics and

			animation using Photoshop and Corel Draw.
5.	ELECTIVE	Multimedia & DTP (Lab )	CO 1. This course provides guidelines for creating effective, well-designed desktop publications. CO 2. Lecture and discussion topics with related assignments are used to develop an understanding of basic typography in relation to the elements and principles of design. Two lecture and two laboratory hours per week.
6.	SKILL	Export - Import Procedures and Documentation	CO 1. To impart basic knowledge on export and import documentation and procedures.
<b>SEMESTER VI</b>			
1.	CORE	Industrial Relations and Labour Laws	CO 1. To impart the basic Knowledge of the important labour legislations.
2.	CORE	Income Tax Law and Practice – II	CO 2. To make the students to know about latest Income Tax Rules and Regulations.
3.	CORE	Fundamentals of Internet And Web Technologies	CO 3. This syllabus is focus on the basic knowledge of internet and designing a web page using scripting languages.
4.	ELECTIVE	E-Commerce	CO 4. This syllabus is designed to help the students to know about the online business sector.
5.	SKILL	Commerce Practical	CO 5. To enable the students to have practical knowledge of using various forms.
<b>B.Sc. MATHS</b>			
<b>SEMESTER I</b>			
1.	CORE	Calculus	CO 1. To introduce nth derivative. CO 2. To introduce curvatures, evolutes and involutes. CO 3. To introduce double and triple integrals.
2.	CORE	Theory of Equations and Trigonometry	CO 1. To solve cubic and biquadratic equations CO 2. To find logarithm of complex numbers
3.	ALLIED	Programming in C	CO 1. To learn a computer language. CO 2. To write programs and run programs.



SEMESTER II			
1.	CORE	Differential Equations	CO 1. To solve linear equations with variable coefficients CO 2. To study partial differential equations CO 3. To know the applications in real life.
2.	CORE	Analytical Geometry of 3D and Vector Calculus	CO 1. To know about 3-Dimensions CO 2. To study vector differentiation and vector integration.
3.	ALLIED	Programming with C++	CO 1. To write a program efficiently. CO 2. To know OOPS.
SEMESTER III			
1.	CORE	Mechanics	CO 1. To provide the basic knowledge of equilibrium of a particle CO 2. To provide the basic knowledge of moving particle.
2.	ALLIED	Graph Theory	CO 1. To give a basic knowledge in graph theory CO 2. To study Eulerian graphs, Hamiltonian graphs, Trees.
3.	ELECTIVE	Fundamentals of Mathematics	CO 1. To introduce important elementary concepts of mathematics for non-mathematics students CO 2. To develop computational skills
SEMESTER IV			
1.	CORE	Basics of Analysis	CO 1. To understand the countable concepts in real number system CO 2. To study the behavior of sequences and series CO 3. To provide a good foundation for real analysis.
2.	ALLIED	Logic and Boolean Algebra	CO 1. To understand the logical concepts which are needed in mathematics. CO 2. To learn about Boolean algebra.
3.	ELECTIVE	Quantitative Aptitude	CO 1. To impart the Aptitude knowledge required for Competitive Examinations.
SEMESTER V			
1.	CORE	Modern Algebra	CO 1. To learn a method to count the elements of a finite group. CO 2. To construct a quotient groups using an integral domain.
2.	CORE	Real Analysis	CO 1. To analyze the real line structure.

			CO 2. To study properties of the Riemann integral.
3.	CORE	Fundamentals of Statistics	CO 1. To analyze the data. CO 2. To analyze the qualitative characteristics – Attributes.
4.	CORE	Operations Research	CO 1. To find an optimal solution to the problem. CO 2. To study in what order we have to do the jobs. CO 3. To study at what time we have to replace a machine.
<b>SEMESTER VI</b>			
1.	CORE	Linear Algebra	CO 1. To introduce another algebraic system known as vector space. CO 2. To know Eigen values and Eigen vectors.
2.	CORE	Complex Analysis	CO 1. To study the differentiation of a complex valued function of a complex variable. CO 2. To study the integration of a complex valued function of a complex variable.
3.	CORE	Statistics	CO 1. To know probability and distribution functions CO 2. To study the tests of significance
<b>B.Sc. PHYSICS</b>			
<b>SEMESTER I</b>			
1.	CORE	Mechanics and Properties of Matter	CO 1. To study the motion of objects, understand the laws of motion and laws of gravitation. CO 2. To know the principle of conservation of momentum, energy and their consequences. CO 3. To identify the characteristics of solids and fluids in terms of their properties.
2.	SKILL	Programming In – C	CO 1. The purpose of this course is to introduce students about the key features and implementation of C, which is a powerful general purpose programming language available in all platforms and provide an in depth knowledge and skill in it.
3.	SKILL	Solar Energy	CO 1. To make the students to understand the present day crisis

			and need for conserving energy alternatives are provided.
4.	NME	Fundamentals of Physics –I	CO 1. To introduce some basic concept of Physics like measurement of physical quantities, states of matter, kinds of energies and energy sources to students studying other than Physics.
5.	CORE	ANALOG ELECTRONICS	CO 1. To enable the students to understand the aspects of analog electronics in a lucid and comprehensive manner.
<b>SEMESTER II</b>			
1.	CORE	Thermal Physics and Acoustics	CO 1. To understand the phenomena connected with heat capacities, conduction, convection and radiation, the process of making use of heat energy to do mechanical work.
2.	SKILL	Astrophysics	CO 1. Acquire knowledge of the Physical universe and its evolution. CO 2. Define and use fundamental principles and techniques of astronomy and astrophysics. CO 3. Understand and apply basic physics and computational techniques to solve problems in astrophysics, and interpret the results.
3.	SKILL	Medical Physics	CO 1. To understand the basics about the biological systems in our body, their behavior, and the diagnostic devices.
4.	NME	Fundamentals of Physics –II	CO 1. To introduce some basic concept of Physics like measurement of physical quantities, states of matter, kinds of energies and energy sources to students studying other than Physics.
<b>SEMESTER III</b>			
1.	CORE	Electricity and Electromagnetism	CO 1. Understand electricity and magnetism on a level that uses standard mathematical tools. CO 2. Develop a conception of space and time adequate for

			understanding electrodynamics.
<b>SEMESTER IV</b>			
1.	CORE	Optics and Spectroscopy	CO 1. To familiarize the fundamental laws concerning reflection and refraction. CO 2. To understand the phenomena like, interference, diffraction, and polarization. CO 3. To perceive the basic concept of spectroscopy.
<b>SEMESTER V</b>			
1.	CORE	Modern Physics	CO 1. To give an introductory account of the basic principles of atomic physics. CO 2. To impart knowledge on the theory of Relativity CO 3. To introduce the origin of Quantum theory
2.	SKILL	Nuclear Physics	CO 1. Understand the basic properties of nuclei and the atomic nucleus CO 2. Describe radioactivity and related phenomena. CO 3. Explain the various interactions of nuclear radiation with matter.
3.	SKILL	Nanophysics	CO 1. To create the basic knowledge in nano materials. CO 2. To understand the scientific perspective of nanomaterials. CO 3. To identify the techniques suitable for nanomaterial synthesis. CO 4. To know the significance of nanomaterials.
4.	CORE	Opto Electronics	CO 1. To give an introductory account of the basic principles of Optoelectronic devices. CO 2. To understand the principle and working of LASER CO 3. To gain information about fibre optic communication
<b>SEMESTER VI</b>			
1.	CORE	Classical and Statistical Mechanics	CO 1. To understand the mechanics of systems of particles and their equations of motion. CO 2. To study the concept of statistics of molecules.

2.	CORE	Solid State Physics	CO 1. To understand the different types of bonding in solid substances. CO 2. To understand the magnetic and dielectric properties of crystalline structures.
3.	CORE	Digital Electronics	CO 1. To enable the students to understand the aspects of Digital electronics in a lucid and comprehensive manner.
<b>B.Sc. COMPUTER SCIENCE</b>			
<b>SEMESTER I</b>			
1.	CORE	Programming In C	CO 1. Ability to work with textual information, characters and strings. CO 2. Ability to work with arrays of complex objects. Understanding a concept of object thinking within the framework of functional model. CO 3. Understanding a concept of functional hierarchical code organization.
2.	CORE	Lab - Programming In C	CO 1. Develop a C program. CO 2. Control the sequence of the program and give logical outputs. CO 3. Implement strings in your C program. CO 4. Store different data types in the same memory. CO 5. Manage I/O operations in your C program.
3.	ALLIED	Mathematical Foundations I	CO 1. Ability to apply mathematical logic to solve problems. CO 2. Understand sets, relations, functions, and discrete structures. CO 3. Able to use logical notation to define and reason about fundamental mathematical concepts such as sets, relations, and functions.
4.	SKILL	Lab - Office Automation	CO 1. To familiarize the students in preparation of documents and presentations with office

			automation tools.
5.	NME	Introduction To Computers And Office Automation	CO 1. Office tools course would enable the students in crafting professional word documents, excel.
<b>SEMESTER II</b>			
1.	CORE	Object Oriented Programming with C++	CO 1. Understand tokens, expressions, and control structures. CO 2. Explain arrays and strings and create programs using them. CO 3. Describe and use constructors and destructors. CO 4. Understand and employ file management.
2.	CORE	Lab - Object Oriented Programming with C++	CO 1. Describe OOPs concepts. CO 2. Use functions and pointers in your C++ program. CO 3. Understand tokens, expressions, and control structures. CO 4. Explain arrays and strings and create programs using them. CO 5. Describe and use constructors and destructors. CO 6. Understand and employ file management.
3.	ALLIED	Mathematical Foundations II	CO 1. Ability to apply mathematical logic to solve problems. Understand sets, relations, functions, and discrete structures.
4.	SKILL	Lab - Linux Programming	CO 1. Familiarize students with the Linux environment, and able to run commands on a standard Linux operating system.
5.	NME	Introduction to Internet	CO 1. Discuss elementary Internet concepts and history. CO 2. Make a successful Internet connection. CO 3. Demonstrate simple principles of Internet Protocol (IP) addressing. CO 4. Use and customize a web browser.



			<p>CO 5. Use e-mail to send and receive messages.</p> <p>CO 6. Create a website and publish a simple web page.</p>
<b>SEMESTER III</b>			
1.	CORE	Data Structures and Computer Algorithms	<p>CO 1. Ability to program data structures and use them in implementations of abstract data types.</p> <p>CO 2. Ability to devise novel solutions to small scale programming challenges involving data structures and recursion.</p> <p>CO 3. Understanding of basic algorithmic complexity.</p>
2.	CORE	Lab - Data Structures and Computer Algorithms	<p>CO 1. The course is designed to develop skills to design and analyze simple linear and non linear data structures.</p> <p>CO 2. It strengthen the ability to the students to identify and apply the suitable data structure for the given real world problem.</p> <p>CO 3. It enables them to gain knowledge in practical applications of data structures .</p>
3.	CORE	Digital Principles and Computer Organization	<p>CO 1. Design various combinational digital circuits using logic gates.</p> <p>CO 2. Design sequential circuits and analyze the design procedures.</p> <p>CO 3. State the fundamentals of computer systems and analyze the execution of an instruction.</p> <p>CO 4. Analyze different types of control design and identify hazards.</p>
4.	ALLIED	Resource Management Techniques	<p>CO 1. The main objective of Human Resource Management is to help the students to acquire and develop</p>
5.	SKILL	Lab - Multimedia	<p>CO 1. To make the students understand graphics concepts and develop, design and implement two and three dimensional graphical structures using Open GL.</p>

SEMESTER IV			
1.	CORE	Java Programming	CO 1. Covers software design, implementation, and testing using Java. CO 2. Introduces object-oriented design techniques and problem solving.
2.	CORE	Lab - Java Programming	CO 1. Able to write programs for solving real world problems using java collection frame work. CO 2. Able to write programs using abstract classes.
3.	CORE	System Software	CO 1. Demonstrate the installation process of various operating systems. CO 2. Implement virtualization by installing Virtual Machine software.
4.	ALLIED	Numerical Methods	CO 1. Demonstrate understanding of common numerical methods and how they are used to obtain approximate solutions to otherwise intractable mathematical problems. CO 2. Apply numerical methods to obtain approximate solutions to mathematical problems.
5.	SKILL	Lab - PHP Programming	CO 1. Analyze PHP scripts and determine their behavior. CO 2. Construct PHP scripts to create dynamic web content. CO 3. Create PHP scripts capable of inserting and modifying data in a MySQL database. CO 4. Design web pages with the ability to retrieve and present data from a MySQL database.
SEMESTER V			
1.	CORE	Relational Database Management Systems	CO 1. Understand the basic concepts and the applications of database systems. CO 2. Master the basics of SQL and construct queries using SQL. CO 3. Understand the relational

			database design principles.
2.	CORE	Operating System	CO 1. To make aware of different types of Operating System and their services. CO 2. To learn different process scheduling algorithms and synchronization techniques to achieve better performance of a computer system. CO 3. To know virtual memory concepts. CO 4. To learn secondary memory management.
3.	CORE	Software Engineering	CO 1. Be successful professionals in the field with solid fundamental knowledge of software engineering .
4.	CORE	Lab - Relational Database Management Systems	CO 1. Students get practical knowledge on designing and creating relational database systems. CO 2. Understand various advanced queries execution such as relational constraints, joins, set operations, aggregate functions, trigger views and embedded SQL.
5.	SKILL	Lab - Python Programming	CO 1. To be able to introduce core programming basics and program design with functions using Python programming language. CO 2. To understand a range of Object-Oriented Programming, as well as in-depth data and information processing techniques.
<b>SEMESTER VI</b>			
1.	CORE	Data Communication and Computer Networks	CO 1. Student will be able to understand various types of transmission media, network devices; and parameters of evaluation of performance for each media and device.
2.	CORE	Lab - Web Technology	CO 1. Analyze a web page and identify its elements and attributes. CO 2. Create web pages using XHTML and Cascading Style Sheets.

			<p>CO 3. Build dynamic web pages using JavaScript (Client side programming).</p> <p>CO 4. Create XML documents and Schemas.</p>
3.	CORE	Data Mining	<p>CO 1. To fully understand standard data mining methods and techniques such as association rules, data clustering and classification.</p> <p>CO 2. Learn new, advanced techniques for emerging applications (e.g. social network analysis, stream data mining).</p> <p>CO 3. Gain practical intuition about how to apply these techniques on datasets of realistic sizes using modern data analysis frameworks.</p>
4.	CORE	Project Work / Viva-Voce	<p>CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate &amp; state a research problem</p> <p>CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable</p> <p>CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any</p> <p>CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret &amp; analyze it and test the hypotheses wherever applicable</p> <p>CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical</p>

			<p>conclusions and propose suitable recommendations on the research problem</p> <p>CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners</p>
5.	SKILL	Quantitative Aptitude	<p>CO 1. Use their logical thinking and analytical abilities to solve Quantitative aptitude questions from company specific and other competitive tests.</p>
<b>B.Sc. INFORMATION TECHNOLOGY</b>			
<b>SEMESTER I</b>			
1.	CORE	Introduction to Information Technology and Programming in C	<p>CO 1. Ability to work with textual information, characters and strings.</p> <p>CO 2. Ability to work with arrays of complex objects. Understanding a concept of object thinking within the framework of functional model.</p> <p>CO 3. Understanding a concept of functional hierarchical code organization.</p>
2.	CORE	Lab - Programming in C	<p>CO 1. Develop a C program.</p> <p>CO 2. Control the sequence of the program and give logical outputs.</p> <p>CO 3. Implement strings in your C program.</p> <p>CO 4. Store different data types in the same memory.</p> <p>CO 5. Manage I/O operations in your C program.</p>
3.	ALLIED	Mathematical Foundations	<p>CO 1. Ability to apply mathematical logic to solve problems.</p> <p>CO 2. Understand sets, relations, functions, and discrete structures.</p> <p>CO 3. Able to use logical notation to define and reason about fundamental mathematical concepts such as sets, relations,</p>

			and functions.
4.	SKILL	Lab - Linux Programming	CO 1. Familiarize students with the Linux environment, and able to run commands on a standard Linux operating system.
5.	NME	Introduction to Information Technology	CO 1. This course provides an introduction to information technology and computing systems. CO 2. It covers both the history and theory of information systems as well as the practical application of technologies.
<b>SEMESTER II</b>			
1.	CORE	Object Oriented Programming with C++	CO 1. Understand tokens, expressions, and control structures. CO 2. Explain arrays and strings and create programs using them. CO 3. Describe and use constructors and destructors. CO 4. Understand and employ file management.
2.	CORE	Lab - Object Oriented Programming using C++	CO 1. Describe OOPs concepts. CO 2. Use functions and pointers in your C++ program. CO 3. Understand tokens, expressions, and control structures. CO 4. Explain arrays and strings and create programs using them. CO 5. Describe and use constructors and destructors. CO 6. Understand and employ file management.
3.	ALLIED	Resource Management Techniques	CO 1. The main objective of Human Resource Management is to help the students to acquire and develop. CO 2. This course focuses on issues and strategies required.
4.	SKILL	Lab - Desktop Publishing	CO 1. This course introduces students to the principles of design applicable to publications created using desktop publishing software and

			computer technology.
5.	NME	Internet and its Applications	<p>CO 1. This course is intended to teach the basics involved in publishing</p> <p>CO 2. This includes the 'language of the Web' - HTML, the fundamentals of how the Internet.</p>
<b>SEMESTER III</b>			
1.	CORE	. NET Programming using ASP	<p>CO 1. Explain how to create dynamic Web pages by using ASP.NET.</p> <p>CO 2. Configure an ASP.NET application by using.</p> <p>CO 3. Create a user interface on an ASP.NET page by using standard Web server controls.</p>
2.	CORE	Lab - . NET Programming using ASP	<p>CO 1. Explain how to create dynamic Web pages by using ASP.NET.</p> <p>CO 2. Configure an ASP.NET application by using.</p> <p>CO 3. Create a user interface on an ASP.NET page by using standard Web server controls.</p>
3.	CORE	Data Structures and Computer Algorithms	<p>CO 1. Ability to program data structures and use them in implementations of abstract data types.</p> <p>CO 2. Ability to devise novel solutions to small scale programming challenges involving data structures and recursion. Understanding of basic algorithmic complexity.</p>
4.	ALLIED	Digital Principles and Computer Organization	<p>CO 1. Design various combinational digital circuits using logic gates.</p> <p>CO 2. Design sequential circuits and analyze the design procedures.</p> <p>CO 3. State the fundamentals of computer systems and analyze the execution of an instruction.</p> <p>CO 4. Analyze different types of control design and identify hazards.</p>

5.	SKILL	Lab - Multimedia	CO 1. To make the students understand graphics concepts and develop, design and implement two and three dimensional graphical structures using OpenGL.
<b>SEMESTER IV</b>			
1.	CORE	Java Programming	CO 1. Covers software design, implementation, and testing using Java. CO 2. Introduces object-oriented design techniques and problem solving.
2.	CORE	Lab - Java Programming	CO 1. Able to write programs for solving real world problems using java collection frame work. CO 2. Able to write programs using abstract classes.
3.	CORE	Operating System Concepts	CO 1. To make aware of different types of Operating System and their services. CO 2. To learn different process scheduling algorithms and synchronization techniques to achieve better performance of a computer system. CO 3. To know virtual memory concepts. CO 4. To learn secondary memory management.
4.	ALLIED	Numerical Methods	CO 1. Demonstrate understanding of common numerical methods and how they are used to obtain approximate solutions to otherwise intractable mathematical problems. CO 2. Apply numerical methods to obtain approximate solutions to mathematical problems.
5.	SKILL	Lab - Web Programming Lab	CO 1. Analyze a web page and identify its elements and attributes. CO 2. Create web pages using XHTML and Cascading Style Sheets. CO 3. Build dynamic web pages using JavaScript (Client side programming).



			CO 4. Create XML documents and Schemas.
<b>SEMESTER V</b>			
1.	CORE	Computer Networks	CO 1. Explain basic concepts, OSI reference model, services and role of each layer of OSI model and TCP/IP, networks devices and transmission media, Analog and digital data transmission
2.	CORE	Software Engineering	CO 1. To provide the idea of decomposing the given problem into Analysis, Desing, Implementation, Testing and Maintenance phases.
3.	CORE	Relational Database Management System	CO 1. Understand the basic principles of database management systems. CO 2. Draw Entity-Relationship diagrams to represent simple database application scenarios CO 3. Write SQL queries for a given context in relational database. CO 4. Discuss normalization techniques with simple examples. CO 5. Describe transaction processing and concurrency control concepts.
4.	CORE	Lab - RDBMS	CO 1. Students get practical knowledge on designing and creating relational database systems. CO 2. Understand various advanced queries execution such as relational constraints, joins, set operations, aggregate functions, trigger, views and embedded SQL.
5.	SKILL	Lab - Networking	CO 1. To understand the working principle of various communication protocols. CO 2. To analyze the various routing algorithms. CO 3. To know the concept of data transfer between nodes
<b>SEMESTER VI</b>			
1.	CORE	Android Programming	CO 1. Install and configure Android

			<p>application development tools.</p> <p>CO 2. Design and develop user Interfaces for the Android platform.</p> <p>CO 3. Save state information across important operating system events.</p>
2.	CORE	Lab - Android Programming	<p>CO 1. Install and configure Android application development tools.</p> <p>CO 2. Design and develop user Interfaces for the Android platform.</p> <p>CO 3. Save state information across important operating system events.</p> <p>CO 4. Apply Java programming concepts to Android application development.</p>
3.	CORE	Computer Graphics	<p>CO 1. The course introduces the basic concepts of computer graphics.</p> <p>CO 2. It provides the necessary theoretical background and demonstrates the application of computer science to graphics.</p> <p>CO 3. The course further allows students to develop programming skills in computer graphics through programming assignments.</p>
4.	CORE	Project Work / Viva-Voce	<p>CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate&amp; state a research problem</p> <p>CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable</p> <p>CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational</p>

			<p>designs if any</p> <p>CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret &amp; analyze it and test the hypotheses wherever applicable</p> <p>CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem</p> <p>CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners</p>
5.	SKILL	Quantitative Aptitude	CO 1. Use their logical thinking and analytical abilities to solve Quantitative aptitude questions from company specific and other competitive tests.
<b>B.Sc. FORENSIC SCIENCE</b>			
<b>SEMESTER I</b>			
1.	CORE	Introduction to Forensic Science	<p>CO 1. The significance of forensic science to human society.</p> <p>CO 2. The fundamental principles and functions of forensic science.</p> <p>CO 3. The divisions in a forensic science laboratory.</p> <p>CO 4. The working of the forensic establishments in India and abroad.</p>
2.	CORE	Crime and Society	<p>CO 1. The importance of criminology.</p> <p>CO 2. The causes of criminal behavior.</p> <p>CO 3. The significance of criminal profiling to mitigate crime.</p> <p>CO 4. The consequences of crime in society.</p> <p>CO 5. The elements of criminal justice system.</p>
3.	SKILL	Basic Physics	CO 1. Students will demonstrate skills in scientific inquiry, problem solving and laboratory techniques

			<p>CO 2. Students will demonstrate understanding of places in the physical universe.</p> <p>CO 3. Students demonstrate a broad base of knowledge in physics.</p> <p>CO 4. Students will demonstrate understanding of laws of nature.</p>
4.	SKILL	Fundamentals of Computer Science	<p>CO 1. To learn the basics of computer and information technology</p> <p>CO 2. To understand the function of the operating system and DOS commands</p> <p>CO 3. To Learn about usage of Internet, E-mail and World Wide Web</p>
5.	NME	Basics of Forensic Science	<p>CO 1. Continue to set high professional standards.</p> <p>CO 2. Engage with forensic science regulator and other relevant stake holders</p> <p>CO 3. Maintain appropriate panels of assessors.</p> <p>CO 4. Have a long term aim of becoming a royal society</p>
<b>SEMESTER II</b>			
1.	CORE	Criminal Law	<p>CO 1. Elements of Criminal Procedure Code related to forensic science.</p> <p>CO 2. Acts and provisions of the Constitution of India related to forensic science.</p> <p>CO 3. Acts governing socio-economic crimes.</p> <p>CO 4. Acts governing environmental crimes.</p>
2.	CORE	Forensic Psychology	<p>CO 1. The overview of forensic psychology and its applications.</p> <p>CO 2. The legal aspects of forensic psychology.</p> <p>CO 3. The significance of criminal profiling.</p> <p>CO 4. The importance of psychological assessment in gauging criminal behavior.</p> <p>CO 5. The tools and techniques required for detection of deception.</p>

			CO 6. The critical assessment of advanced forensic techniques like polygraphy, narco analysis and brain electrical oscillation signatures.
3.	ELECTIVE	Chemistry	CO 1. Be able to demonstrate problem solving and critical thinking skills and also discuss forensic chemical principles CO 2. Be able to apply modern methods of forensic analysis in a laboratory setting CO 3. Be able to design appropriate experiments to achieve results in a safe and environmentally sensitive manner
4.	ALLIED	Psychology	CO 1. Develop knowledge and skills of a professional research psychologist CO 2. Develop knowledge and skills for teaching
5.	NME	Forensic Science and Society	CO 1. Importance of forensic engineering. CO 2. Importance of forensic archeology. CO 3. Importance of forensic intelligence.
6.	NME	Forensic Science and Criminal Justice System	CO 1. Administration of justice Criminological theory CO 2. Research and analytical methods CO 3. To teach students to critically think and to be able to communicate well in written and oral forms.
<b>SEMESTER III</b>			
1.	CORE	Forensic Dermatoglyphics	CO 1. The fundamental principles on which the science of fingerprinting is based. CO 2. Fingerprints are the most infallible means of identification. CO 3. The world's first fingerprint bureau was established in India. CO 4. The method of classifying criminal record by fingerprints was worked out in India, and by

			Indians. CO 5. The physical and chemical techniques of developing fingerprints on crime scene evidence. CO 6. The significance of foot, palm, ear and lip prints.
2.	CORE	Technological Methods in Forensic Science	CO 1. The importance of chromatographic and spectroscopic techniques in processing crime scene evidence. CO 2. The utility of colorimetry, electrophoresis and neutron activation analysis in identifying chemical and biological materials. CO 3. The significance of microscopy in visualizing trace evidence and comparing it with control samples. CO 4. The usefulness of photography and videography for recording the crime scenes.
3.	CORE	Criminalistics	CO 1. The methods of securing, searching and documenting crime scenes. CO 2. The art of collecting, packaging and preserving different types of physical and trace evidence at crime scenes. CO 3. The legal importance of chain of custody. CO 4. The tools and techniques for analysis of different types of crime scene evidence.
4.	ELECTIVE	Fundamentals of Biology	CO 1. Read, understand and critically interpret the primary biological literature CO 2. Design, conduct analyse and communicate biological research CO 3. Will be able to explain the organic evolution and its principles and mechanism
5.	SKILL	Introduction to Biometry	CO 1. The basis of biometry. CO 2. The classification of biometric

			processes. CO 3. The importance of behavioral biometry.
<b>SEMESTER IV</b>			
1.	CORE	Forensic Chemistry	CO 1. The methods of analyzing trace amounts of petroleum products in crime scene evidence. CO 2. The methods of analyzing contaminants in petroleum products. CO 3. The classification and characteristics of the narcotics, drugs and psychotropic substances. CO 4. The methods of identifying narcotics, drugs and psychotropic substances. CO 5. The forensic identification of illicit liquors. CO 6. The classification of explosives, including the synthesis and characterization of representative analogs. CO 7. The significance of bomb scene management.
2.	CORE	Questioned Documents	CO 1. The importance of examining questioned documents in crime cases. CO 2. The tools required for examination of questioned documents. CO 3. The significance of comparing hand writing samples. CO 4. The importance of detecting frauds and forgeries by analyzing questioned documents.
3.	CORE	Forensic Biology	CO 1. The significance of biological and serological evidence. CO 2. The forensic importance of hair evidence. CO 3. The importance of biological fluids – blood, urine, semen, saliva, sweat and milk – in crime investigations. CO 4. How wildlife forensics aid in

			conserving natural resources. CO 5. How forensic entomology assists in death investigations
4.	ELECTIVE	Biology	CO 1. Read, understand and critically interpret the primary biological literature CO 2. Design, conduct analyse and communicate biological research CO 3. Will be able to explain the organic evolution and its principles and mechanism
5.	SKILL	Handwriting Identification and Recognition	CO 1. Important features in handwriting identification. CO 2. Basis of handwriting characteristics. CO 3. Significance of forensic documentation.
<b>SEMESTER V</b>			
1.	CORE	Forensic Ballistics	CO 1. The classification of firearms and their firing mechanisms. CO 2. The methods of identifying firearms. CO 3. The characteristics of ammunition. CO 4. The importance of firearm evidence. CO 5. The nature of firearm injuries. CO 6. The methods for characterization of gunshot residue.
2.	CORE	Forensic Toxicology	CO 1. The significance of toxicological studies in forensic science. CO 2. The classification of poisons and their modes of actions. CO 3. The absorption of poisons in body fluids. CO 4. The forensic identification of illicit liquors. CO 5. The classification and characteristics of the narcotics, drugs and psychotropic substances. CO 6. The menace of designer drugs. CO 7. The methods of identifying and purifying narcotics, drugs and psychotropic substances.
3.	ELECTIVE	Digital Forensics	CO 1. The basics of digital forensics.



			CO 2. The cases which fall under the purview of digital crimes. CO 3. The types of digital crimes. CO 4. The elements involved in investigation of digital crimes.
4.	ELECTIVE	Economic Offences	CO 1. Basic economic and financial terminology. CO 2. Economic crimes in India are linked to several other crimes. CO 3. Economic crimes often have a bearing on national security. CO 4. Types of common economic offences and their consequences. CO 5. Steps involved in mitigating economic crimes.
5.	SKILL	Medical Jurisprudence	CO 1. Acquire knowledge in practice the Professional ethics CO 2. Understand the various concepts of the pharmaceutical legislation in India; CO 3. Learn the knowledge on schedules and functioning of various committees in the Drug and Cosmetic Act and rules CO 4. Understand the labelling requirements and packaging guidelines for drugs and cosmetics CO 5. Understand the Drug policy, DPCO, Patent and design act CO 6. Know about narcotic and psychotropic drugs, its productions and drug abuse, its controlling. CO 7. Understand the concepts of Dangerous Drugs Act, Pharmacy Act and Excise duties Act CO 8. Explain other laws as prescribed by the Pharmacy Council of India from time to time including International Laws
<b>SEMESTER VI</b>			
1.	CORE	Forensic Anthropology	CO 1. Importance of forensic anthropology in identification of persons.

			<p>CO 2. Different techniques of facial reconstruction and their forensic importance.</p> <p>CO 3. Significance of somatoscopy and somatometry.</p>
2.	CORE	Forensic Medicine	<p>CO 1. The duties of the first responding officer who receives a call on homicide or suicide case.</p> <p>CO 2. The steps involved in processing the death scene.</p> <p>CO 3. The importance of ascertaining whether the crime was staged to appear as suicide or accident.</p> <p>CO 4. The importance of bloodstain patterns in reconstructing the crime scene.</p> <p>CO 5. The importance of autopsy.</p> <p>CO 6. The importance of forensic odontology</p>
3.	ELECTIVE	Accident Investigations	<p>CO 1. Summarize the basic concepts of accidents, incidents, and investigations</p> <p>CO 2. Categorize types of incidents, the causes, and key facts about incidents</p> <p>CO 3. Identify contributing factors to incidents</p> <p>CO 4. Explain the investigation process</p>
4.	ELECTIVE	Dissertation	<p>CO 1. The dissertation will be based on a research topic in Forensic Science/Criminology.</p> <p>CO 2. The topic will be assigned in consultation with police and forensic science establishments, giving due consideration to the problem areas faced by these institutions.</p> <p>CO 3. The students will be expected to undertake extensive field work, in collaboration with mobile police laboratories.</p>
5.	SKILL	DNA Forensics	<p>CO 1. The basic principle of DNA analysis.</p> <p>CO 2. The forensic significance of DNA typing.</p> <p>CO 3. The importance of short tandem</p>

			<p>repeats and restriction fragment length polymorphism in DNA technique.</p> <p>CO 4. Role of DNA typing in parentage testing.</p>
<b>B.Sc. FORENSIC SCIENCE AND CRIMINOLOGY</b>			
<b>SEMESTER I</b>			
1	CORE	Introduction To Forensic Science	<p>CO 1. The significance of Forensic Science to human society.</p> <p>CO 2. The fundamental principles and functions of forensic science</p> <p>CO 3. The divisions in a forensic science laboratory</p> <p>CO 4. The working of the forensic establishments in India and abroad</p>
2	CORE	Crime And Society	<p>CO 1. The importance of criminology.</p> <p>CO 2. The causes of criminal behavior.</p> <p>CO 3. The significance of criminal profiling to mitigate crime.</p> <p>CO 4. The consequences of crime in society &amp; the elements of criminal justice system</p>
3	ELECTIVE	Basic Physics	<p>CO 1. Estimate errors in measurement</p> <p>CO 2. Select proper material for intended purpose by studying properties of materials.</p> <p>CO 3. Analyze surface tension property and properties of fluid</p> <p>CO 4. Enhance analytical approach in formulating and solving problems related to different physical situations.</p>
4	SKILL	Cyber Forensics	<p>CO 1. The protocols used for Transport Layer security such as SSL and TLS are briefed.</p> <p>CO 2. The implementation models of Network Layer Security protocol IPSec and the various Key management protocols are discussed.</p>
<b>SEMESTER II</b>			
1.	CORE	Criminology And Criminal justice System	<p>CO 1. The aim of the Course is to impart knowledge and develop skills relating to application of criminological and penological</p>

			thoughts in the administration of criminal justice system
2.	CORE	Forensic Psychology	CO 1. The legal aspects of forensic psychology CO 2. The significance of criminal profiling. CO 3. The importance of psychological assessment in gauging criminal behavior. The tools and techniques required for detection of deception. CO 4. The critical assessment of advanced forensic techniques like polygraphy, narco analysis and brain electrical oscillation signatures.
3.	ELECTIVE	Forensic Chemistry	CO 1. The methods of analyzing trace amounts of petroleum products in crime scene evidence. CO 2. The method of searching, collecting, preserving and analyzing arson evidence. CO 3. The classification of explosives, including the synthesis and characterization of representative analogs. CO 4. The classification and characteristics of the narcotics, drugs and psychotropic substances.
4.	SKILL	Police Investigation and Administration	CO 1. To identify specific periods related to the origins of Indian police and their developments CO 2. To examine the historical development and present organization and administration of Police departments CO 3. To examine early forms of investigative methods, its evolution and developmental processes CO 4. To examine the origins, meaning, development, experiences and the record of community policing CO 5. To examine the organizational

			development issues and future developments in police management
<b>SEMESTER III</b>			
1.	CORE	Forensic Dermatoglyphics	<p>CO 1. The fundamental principles on which the science of fingerprinting is based.</p> <p>CO 2. Fingerprints are the most infallible means of identification.</p> <p>CO 3. The method of classifying criminal record by fingerprints was worked out in India, and by Indians.</p> <p>CO 4. The physical and chemical techniques of developing fingerprints on crime scene evidence.</p> <p>CO 5. The significance of foot, palm, and ear and lip prints.</p>
2.	CORE	Instrumentation In Forensic Science	<p>CO 1. The importance of chromatographic and spectroscopic techniques in processing crime scene evidence.</p> <p>CO 2. The utility of calorimetric, electrophoresis and neutron activation analysis in identifying chemical and biological materials.</p> <p>CO 3. The significance of microscopy in visualizing trace evidence and comparing it with control samples</p> <p>CO 4. The usefulness of photography and videography for recording the crime scenes.</p>
3.	CORE	Criminalistics	<p>CO 1. The methods of securing, searching and documenting crime scenes</p> <p>CO 2. The art of collecting, packaging and preserving different types of physical and trace evidence at crime scenes.</p> <p>CO 3. The legal importance of chain of</p>

			<p>custody</p> <p>CO 4. The tools and techniques for analysis of different types of crime scene evidence.</p>
4.	ELECTIVE	Anthropology	<p>CO 1. Importance of forensic anthropology in identification of persons.</p> <p>CO 2. Different techniques of facial reconstruction and their forensic importance.</p> <p>CO 3. Significance of somatoscopy and somatometry.</p>
5.	SKILL	Introduction To Biometry	<p>CO 1. The basis of biometry</p> <p>CO 2. The classification of biometric processes.</p> <p>CO 3. The importance of behavioral biometry.</p>
<b>SEMESTER IV</b>			
1.	CORE	Questioned Documents	<p>CO 1. The importance of examining questioned documents in crime cases.</p> <p>CO 2. The tools required for examination of questioned documents</p> <p>CO 3. The significance of comparing hand writing samples.</p> <p>CO 4. The importance of detecting frauds and forgeries by analyzing questioned documents.</p>
2.	CORE	Forensic Biology	<p>CO 1. The significance of biological and serological evidence.</p> <p>CO 2. The forensic importance of hair evidence</p> <p>CO 3. The importance of biological fluids – blood, urine, semen, saliva, sweat and milk – in crime investigations.</p> <p>CO 4. How wildlife forensics aid in conserving natural resources &amp; How forensic entomology assists in death investigations.</p>
3.	CORE	Criminal Laws And Special Laws	<p>CO 1. Elements of Criminal Procedure Code related to forensic science.</p> <p>CO 2. Acts and provisions of the Constitution of India related to</p>

			forensic science CO 3. Acts governing socio-economic crimes CO 4. Acts governing environmental crimes
4.	ELECTIVE	Forensic Serology	CO 1. The importance of biological fluids – blood, urine, semen, saliva, sweat and milk – in crime investigations.. CO 2. The usefulness of genetic markers in forensic investigations CO 3. The forensic importance of bloodstain patterns
<b>SEMESTER V</b>			
1.	CORE	Forensic Ballistics	CO 1. The classification of firearms and their firing mechanisms. CO 2. The methods of identifying firearms & the characteristics of ammunition. CO 3. The importance of firearm evidence. & the nature of firearm injuries CO 4. The methods for characterization of gunshot residue.
2.	CORE	Forensic Toxicology	CO 1. The significance of toxicological studies in forensic science.. CO 2. The classification and characteristics of the narcotics, drugs and psychotropic substances. CO 3. The methods of identifying and purifying narcotics, drugs and psychotropic substances. CO 4. The physical and chemical techniques of developing fingerprints on crime scene evidence. CO 5. The significance of foot, palm, ear and lip prints.
3	ELECTIVE	Accident Investigations	CO 1. A broad understanding of accident investigation CO 2. Readily applicable accident investigation procedures & How to collect, analyze and

			<p>communicate data</p> <p>CO 3. An understanding of strategies to ensure the organization learns from safety failure</p>
4	ELECTIVE	Criminal Procedures And Evidence	<p>CO 1. A study of comparative criminal procedure helps students develop an ecumenical approach and broadens their vision.</p> <p>CO 2. It inspires them renew and revise their laws to be in tune with developed systems.</p> <p>CO 3. This paper mainly focuses on Criminal Procedure in India and Law relating to Evidence. The paper is taught with reference to India.</p>
5	SKILL	DNA TYPING	<p>CO 1. The basic principle of DNA analysis.</p> <p>CO 2. The forensic significance of DNA typing.</p> <p>CO 3. The importance of short tandem repeats and restriction fragment length polymorphism in DNA technique.</p> <p>CO 4. Role of DNA typing in parentage testing.</p>
6	ELECTIVE	Basics Of Criminology	<p>CO 1. The importance of criminology. And the causes of criminal behavior.</p> <p>CO 2. The significance of criminal profiling to mitigate crime and. the consequences of crime in society.</p> <p>CO 3. The elements of criminal justice system</p>
<b>SEMESTER VI</b>			
1.	CORE	Victimology	<p>CO 1. The Objectives of this paper is to familiarize the students of Criminology with the functioning of the various institutions of the criminal justice system and juvenile justice system.</p> <p>CO 2. The students are expected to make observational visits to a</p>



			<p>police station, a court of criminal trial, prisons, observation home, Juvenile Justice Board, Special home for boys and Special home for girls, Crime Records Bureau, Police Control Room, Vigilance Home, Institutions for the treatment of drug addicts, institutions assisting the victims of crime, including women and child victims.</p> <p>CO 3. The students will undertake the visits under the guidance of a faculty and will prepare a detailed report for evaluation for the final examination. Along with this each student should complete a minimum of three case studies and present it before the examiners.</p>
2.	CORE	Forensic Medicine	<p>CO 1. The duties of the first responding officer who receives a call on homicide or suicide case. and the steps involved in processing the death scene</p> <p>CO 2. The importance of ascertaining whether the crime was staged to appear as suicide or accident</p> <p>CO 3. The importance of bloodstain patterns in reconstructing the crime scene.</p> <p>CO 4. The importance of autopsy and the importance of forensic odontology</p>
3.	ELECTIVE	Instrumental Methods-Chemical	<p>CO 1. Understand the principles of methods and analytical instruments used in analysis of biological samples</p> <p>CO 2. Be able to apply these principles including analytical instrument operation to analysis of sample in the laboratory situation.</p> <p>CO 3. Interpret data and to clearly communicate findings in the form of written reports</p>
4.	SKILL	Counselling And Guidance	<p>CO 1. To develop willingness for</p>

			<p>choices and changes to face need challenges.</p> <p>CO 2. To develop willingness for choices and changes to face need challenges.</p> <p>CO 3. To identify and motivate the students from weaker sections of society and help the students in their period of turmoil and confusion</p> <p>CO 4. To identify and motivate the students from weaker sections of society and help the students in their period of turmoil and confusion.</p>
5.	ELECTIVE	Contemporary Crimes	<p>CO 1. To explore how forensic accounting, practices and forensic audit would enhance fraud prevention and detection in India.</p> <p>CO 2. To understand proven that educational level is affecting the effectiveness of use of techniques of fraud prevention and detection.</p>
<b>B.Sc. HOSPITAL MANAGEMENT</b>			
<b>SEMESTER I</b>			
1.	CORE	Introduction To Hospital Services	CO 1. To enable the students to understand the fundamental principles of management analyse the role of hospital service.
2.	ALLIED	Management For Hospital Services	<p>CO 1. To enable the students to understand the fundamental principles of management, analyze the role of planning and decision making in business, comprehend the various principles and structures in organizing</p> <p>CO 2. To keep abreast the concepts of staffing and directing in management, and apply the principles and techniques of controlling in business situations</p>
3.	SKILL	Hospital Maintenance	CO 1. To gain knowledge on the

			operations and maintenance aspects with reference to minimum utilization of resources in hospitals
4.	SKILL	Health Insurance	CO 1. To impart knowledge on various health insurance in health care applicable to patients and staff in hospital industry.
5.	ELECTIVE	Hospital Services	CO 1. To enable the students to understand the fundamental principles of hospital services and analyze the various principles and structures in hospital industry.
<b>SEMESTER II</b>			
1.	CORE	Economics For Hospital Management	CO 1. To enable the students understand about Business Economics by learning the fundamental concept of business economics, responsibilities of business economist, law of demand and competition prevail in the market.
2.	CORE	Blood Bank Services	CO 1. To impart knowledge on basic services provided in the blood bank
3.	ALLIED	Bio-Statistics	CO 1. To inculcate in the students a basic knowledge of Statistics and its application in the field of Hospital Industry.
4.	SKILL	Hospital House Keeping	CO 1. To familiarize the concept of housekeeping, its importance and role in hospitals
5.	SKILL	Drug Material Management	CO 1. To impart knowledge on managing a medical store and pharmacy in a hospital for smooth flow of drugs and allied requirements in patient care with minimum cost
6.	ELECTIVE	Personal Hygiene	CO 1. To create awareness about health care and the various health programmes
<b>SEMESTER III</b>			
1.	CORE	Organizational Behaviour	CO 1. To sensitize the students on the behavior of individuals and groups in organizations in terms

			of the key factors that influence organizational behavior CO 2. To analyze organizational behavioral issues in the context of organizational behavior theories, models and concepts.
2.	CORE	Health Concept	CO 1. To provide a basic insight into the main features of Indian health care delivery system
3.	CORE	Hospital Information System	CO 1. To enable the students understand the basic concepts and technologies used in the field of information systems CO 2. To develop an understanding of how various information systems work together to accomplish the information objectives of an organization.
4.	ALLIED	Biomedical Waste Management	CO 1. To impart knowledge on general and hazardous waste in health care and gain knowledge on legislation and policies related to health care waste management
<b>SEMESTER IV</b>			
1.	CORE	Accounting For Hospitals	CO 1. To enable the students develop conceptual understanding of the basic accounts system through book-keeping mechanism and to prepare financial statement
2.	CORE	Health Laws And Industrial Relations	CO 1. To create knowledge about legal obligation and responsibility in hospital management.
3.	ALLIED	Hospital Front Office Operations	CO 1. To enable the students to gain insights into various operations of front office in a hospital
4.	ALLIED	Infection Control	CO 1. To enable the students to gain skills in various infection control mechanisms and authorities in a hospital
<b>SEMESTER V</b>			
1.	CORE	Hospital Internship Training Report	CO 1. To facilitate the students to understand the basic concept and principles of functional areas of hospital management and make use of the tools, techniques and processes.

<b>SEMESTER VI</b>			
1.	CORE	Ward Management	CO 1. To highlight the various aspects of ward management
2.	CORE	Patient Care Services	CO 1. To understand the processes of elective patient care and to further increase the satisfaction levels of patients
3.	CORE	Total Quality For Hospitals	CO 1. To facilitate among the students an understanding of TQM Principles, ISO 9000 Certification and the importance of TQM functions in the global scenario.
4.	CORE	Strategic Management For Hospitals	CO 1. To provide a basic theoretical framework of the concepts of various strategies adopted by the corporate companies and issues with regard to framing evaluation of strategy and to enable the students to identify the opportunities in hospital business
5.	ALLIED	Disaster Management	CO 1. To provide a basic theoretical framework of the concepts of various disasters and issues with regard to disaster preparedness and to enable the students to identify the opportunities in hospital service to manage disaster effects.
<b>B.Sc. TOURISM AND HOSPITALITY MANAGEMENT</b>			
<b>SEMESTER I</b>			
1.	CORE	Principles and Practices of Tourism	CO 1. To familiarize students with the basic concepts of travel and tourism discuss the terminology used. CO 2. To give an insight into how travel and tourism evolved over a period of time and reached the modern stage.
2.	CORE	Tourism Products of India	CO 1. To help the learners develop an understanding of the nature of different tourism products. CO 2. To provide insights into the process of developing and managing various tourism

			products and enhance the knowledge of students about various tourism products of India.
3.	ALLIED	Front office Theory	CO 1. To specific and measurable statements that define the knowledge, skills, and attitudes learners will demonstrate by the completion of a course
4.	ELECTIVE	Tourism Business	CO 1. To provide entertainment to tourists, organise tourism related activities such as cultural shows, fairs and festivals etc. CO 2. To take over and develop and manage places of tourist interest, parks, lakes, avenues, beaches and recreational places and spots.
<b>SEMESTER II</b>			
1.	CORE	Travel Management	CO 1. To Infer the root cause for motivation of travel. CO 2. To gain the knowledge about various international travel and tourism organizations.
2.	CORE	Global Tourism Geography	CO 1. To know the inter-relationship between geography and tourism and familiar with global tourism destinations. CO 2. To make tour plan and itineraries of various countries and time zones and to understand the international dateline, various time zones and GMT time variations
3.	ALLIED	Housekeeping Theory	CO 1. Help to prepare students to meet the challenges associated with the housekeeping department CO 2. Provide an overview of the key issues of housekeeping and maintenance management. CO 3. Understand the theoretical and practical knowledge that constitutes the work of housekeeping CO 4. Illustrate the complexities and demands of working in the industry

			through the scope of housekeeping
4.	ELECTIVE	Travel Agency Business	CO 1. To study the fundamental concept of tourism and to understand nature and types of tourism. CO 2. To Infer the root cause for motivation of travel and to gain the knowledge about various international travel and tourism organizations.
<b>SEMESTER III</b>			
1.	CORE	Tourism Itinerary Planning	CO 1. Understand the concept of tourism, basic about tourism industry. CO 2. Access and appropriately disseminate accurate and detailed product knowledge and destination information about different types of tourist. CO 3. Develop ongoing professional development strategies and plans to enhance industry knowledge and leadership skills for tourism industry sectors. CO 4. Evaluate about the different stakeholders and relevant agencies in the tourism industry and how these stakeholder plays their functions.
2.	CORE	Basic Air Fare & Ticketing	CO 1. Describe IATA codes CO 2. Define IATA areas CO 3. Explain IATA terms and definitions CO 4. Identify fare types CO 5. Select the most appropriate fare for a given itinerary/journey CO 6. Construct basic fares using the mileage system CO 7. Interpret ticketing entries and associated document entries CO 8. Identify baggage allowances, taxes, fees and charges CO 9. Identify payments
3.	ALLIED	Destination Planning and Development	CO 1. To facilitate the assessment of the tourism potential of a destination and prepare tourism

			<p>development plan as well as marketing techniques</p> <p>CO 2. To familiarize with the destination branding practices</p> <p>CO 3. To introduce advanced analysis and research in the field of destination development.</p>
4.	SKILL	MS Office	<p>CO 1. Learners will able to independently create professional-looking documents and presentations.</p> <p>CO 2. Learners will be familiar with some advanced Word and PowerPoint functions.</p> <p>CO 3. Learners will understand how to use Word and PowerPoint in a variety of professional, educational, and personal situations.</p>
<b>SEMESTER IV</b>			
1.	CORE	Eco Tourism	<p>CO 1. Contextualize tourism within broader cultural, environmental, political and economic dimensions of society.</p> <p>CO 2. Critique tourism practices for their implications locally and globally.</p>
2.	CORE	Food & Beverage Service Theory	<p>CO 1. Identify and describe the various food and beverage service positions.</p> <p>CO 2. Describe and demonstrate selling skills required in a food and beverage operation.</p> <p>CO 3. Perform various service styles.</p> <p>CO 4. Identify types and functions of tableware.</p>
3.	ALLIED	Front Office & House Keeping Practical	<p>CO 1. Develop an efficient communication system to operate within the front office and between the front office and departments such as housekeeping and maintenance.</p>
4.	SKILL	Tourism Business Communication	<p>CO 1. Interpret and evaluate tourism as a phenomenon and as a business system.</p>



			CO 2. Explain the diverse nature of tourism, including culture and place
<b>SEMESTER V</b>			
1.	CORE	Airlines and Airport Management	CO 1. Develop techniques on productivity and profitability, reduce cost and increase quality of products and services by effectively managing production process
2.	CORE	Food Production Theory	CO 1. Develop knowledge & interest in basic Indian food production. CO 2. Know different equipment used in cooking.
3.	CORE	Tourism Impact	CO 1. Understand fundamentals of tourism from the management, marketing and financial perspectives. CO 2. Understand the concepts of travel and tourism, the framework of the system, types and form of tourism as well as the impacts of tourism.
4.	CORE	Human Resources Management	CO 1. To gain the conceptual importance of HRM and to obtain knowledge about manpower planning and performance management system CO 2. To acquire the basic, understand of employee employer relation and to attain the handling various industrial issues with the help of HRM practices
5.	ALLIED	Technology for Tourism	CO 1. To help students learn about the concept and functions of travel agents and tour operations and the functional aspects of different departments in an agency.
6.	SKILL	Basic Accounting Concept	CO 1. Demonstrate the applicability of the concept of Accounting to understand the managerial Decisions and financial statements CO 2. Apply the Financial Statement Analysis associate with Financial Data in the organization.

			<p>CO 3. Analyse the complexities associated with management of cost of product and services in the Organization</p> <p>CO 4. Demonstrate how the concepts of accounting and costing could integrate while identification and resolution of problems pertaining to LM Sector</p>
<b>SEMESTER VI</b>			
<b>1.</b>	<b>CORE</b>	Tourism Policy and Planning	<p>CO 1. To familiarise students on tourism planning and policies for public and private sectors, the roles and initiatives of government in tourism development and to understand the need of managing resources in tourism development in the country and state through proper guidelines and planning.</p>
<b>2.</b>	<b>CORE</b>	Tourism Marketing Management	<p>CO 1. Understand fundamentals of tourism from the management, marketing and financial perspectives.</p> <p>CO 2. Understand the concepts of travel and tourism, the framework of the system, types and form of tourism as well as the impacts of tourism.</p> <p>CO 3. Describe the different types tourism resources of India, their importance in tourism and management.</p>
<b>3.</b>	<b>SKILL</b>	Event Management	<p>CO 1. Identify and Compare the role history plays in the development of meetings, conventions and event planning</p>
<b>4.</b>	<b>SKILL</b>	Personality Development	<p>CO 1. Develop skills to embrace change, handle setbacks, and thrive in dynamic work environments Improve both verbal and non-verbal communication abilities, active listening, and expressing ideas effectively.</p> <p>CO 2. Build self-confidence, overcome</p>

			self-doubt, and be able to assert oneself in professional settings.
<b>B.Sc. HOTEL MANAGEMENT AND CATERING SCIENCE</b>			
<b>SEMESTER I</b>			
1.	CORE	Food Production and Patisserie	CO 1. To impart knowledge on the basic concepts of food production CO 2. To study the basic concepts of Bakery
2.	CORE	Food Production and Patisserie Practical	CO 1. To gain knowledge on food commodities and basics of food preparation CO 2. To develop skills in the preparing and presentation of menus of continental→ cuisine
3.	ALLIED	Food and Beverage Service – I	CO 1. To study about the types of catering establishment and the attributes of food and beverage service personnel CO 2. To gain basic knowledge on the equipment, menu and skills necessary→ for food and beverage service
4.	ALLIED	Food and Beverage Service Practical – I	CO 1. To gain practical knowledge on food and beverage service equipment and basic cover laying CO 2. To compile five French classical menu and service procedure of courses→
5.	SKILL	Basic Front Office Operation	CO 1. To educate on the procedures and practices adopted for the co-ordination between guests and hotel service. CO 2. To impart knowledge on sales promotion activities and credit control measures→ adopted in hotels.
6.	SKILL	Basic Accommodation Operation	CO 1. To provide the knowledge backdrop required of a person working in housekeeping CO 2. To acquire knowledge of cleaning and laundry procedure and floor operations
7.	NME	Basic Catering Service	CO 1. To familiarize and to understand the structure of Catering Industry for non-catering students.
<b>SEMESTER II</b>			

1.	CORE	Food Production and Patisserie	CO 1. To impart knowledge on the basic concepts of food production CO 2. To study the basic concepts of Bakery
2.	CORE	Food and Beverage Service Practical – I	CO 1. To gain practical knowledge on food and beverage service equipment and basic cover laying CO 2. To compile five French classical menu and service procedure of courses—
3.	ALLIED	Basic Front Office Operation Practical	CO 1. This subject aims to explore the basic concepts and operations of the front office in hotels. It introduces the operating systems and standard.
4.	ALLIED	Basic Accommodation Operation Practical	CO 1. To impart skills in basic housekeeping operations
5.	SKILL	Hotel Accounts	CO 1. To give the students an insight into the practical accounting systems adopted in hotels. CO 2. To understand how to prepare final accounts of small business organization CO 3. To learn the basic of banking transactions
6.	SKILL	Hygiene & Sanitation	CO 1. To impart importance of Hygiene and Sanitation in Food Industry
7.	NME	Basic Rooms Division Management	CO 1. To impart management skills in Basic Rooms Division Department.
<b>SEMESTER III</b>			
1.	CORE	Industrial Exposure Training Report and Viva –Voce	CO 1. Students of B.Sc Hotel Management & Catering Science have to undergo Industrial Exposure Training at various Star Category Hotels for One Semester (90 Days) and have to submit a detailed report on Training and Viva- Voce will be conducted for the same.
<b>SEMESTER IV</b>			
1.	CORE	Quantity Food Production	CO 1. To gain knowledge on Indian cookery and regional cuisines of India. CO 2. To study the basics of quantity

			food production
2.	CORE	Quantity Food Production Practical	CO 1. To gain practical knowledge on the preparation and presentation of menus of Indian cuisine. CO 2. To gain practical knowledge on the preparation and presentation of regional cuisines of India. CO 3. To gain practical knowledge on preparation of bakery products
3.	CORE	Food and Beverage Service –II	CO 1. To gain knowledge of wines of different countries and types of wines CO 2. To gain knowledge of the manufacturing process and types of beer CO 3. To gain knowledge on the service of wine and beer
4.	CORE	Food & Beverage Service Practical – II	CO 1. To impart knowledge on compilation of French classical menu with wine suggestions. CO 2. To gain skill in service procedure of wines, spirits and cocktails.
5.	ALLIED	Front Office Operation	CO 1. To educate on the procedures and practices adopted for the co-ordination between guests and hotel services CO 2. To impart knowledge on sales promotion activities and credit control measures adopted in hotels
6.	ALLIED	Front Office Operation Practical	CO 3. To groom capable, courteous and friendly personnel for front office department of a hotel. CO 4. To impart skills in basic front office operations.
7.	ALLIED	Accommodation Operation	CO 1. To provide the knowledge backdrop required of a person working in housekeeping CO 2. To acquire knowledge of cleaning and laundry procedure and floor operations
8.	ALLIED	Food and Beverage Management - I	CO 1. To understand the regulation of cost and revenue of operating the catering activity in hotels and food and beverage establishments.

			CO 2. To formalize and update knowledge in order to improve the profitability and productivity of food and beverage service.
9.	SKILL	Hospitality Marketing	CO 1. To appraise the student to tackle the competitive market situation CO 2. To have clear distinctive study on hospitality products and their marketing ways
<b>SEMESTER V</b>			
1.	CORE	Advanced Food Production	CO 1. To gain a comprehensive knowledge on larder and larder preparations. CO 2. To acquire basic knowledge on international cuisine.
2.	CORE	Advanced Food Production Practical	CO 1. To learn the preparation of various larder Dishes CO 2. To gain practical knowledge on the preparation and presentation of menus of continental cuisine and international cuisine.
3.	CORE	Food and Beverage Service – III	CO 1. To gain a comprehensive knowledge on bar and banquet operations. CO 2. To acquire knowledge on restaurant planning, situation handling in the— restaurant and Guéridon service
4.	CORE	Food & Beverage Service Practical –III	CO 1. To gain basic knowledge on banquet and buffet service. CO 2. To impart knowledge on Guéridon service—
5.	ALLIED	Front Office Management	CO 1. To educate on the procedures and practices adopted for the co-ordination between guests and hotel services CO 2. To impart knowledge on sales promotion activities and credit control measures adopted in hotels
6.	ALLIED	Accommodation Management	CO 1. To provide the knowledge backdrop required of a person working in housekeeping CO 2. To acquire knowledge of cleaning and laundry procedure and floor operations

7.	ALLIED	Food and Beverage Management – II	CO 1. To understand concepts of Menu Engineering and Menu Merchandising. CO 2. To formalize and update knowledge in order to improve the profitability and productivity of food and beverage service.
8.	ALLIED	Principles of Management	CO 1. To make the students to understand the need and scope of management, function of a management, job description and specification for various staff working in a hotel.
9.	SKILL	Event Management	CO 1. To make the students to gain the basic knowledge about different hotel events and the situation to handle.
<b>SEMESTER VI</b>			
1.	CORE	Advanced Food Production Practical	CO 1. To learn the preparation of various larder Dishes CO 2. To gain practical knowledge on the preparation and presentation of menus of continental cuisine and international cuisine.
2.	CORE	Food & Beverage Service Practical –III	CO 1. To gain basic knowledge on banquet and buffet service. CO 2. To impart knowledge on Guéridon service
3.	ALLIED	Front Office Management Practical	CO 1. Manage Front office operations during the four stages of the guest cycle. CO 2. Manage front office equipment and stationery. CO 3. Manage time. CO 4. Monitor front office and staff appearance. CO 5. Monitor the operation of systems. CO 6. Keep staff informed.
4.	ALLIED	Accommodation Management Practical	CO 1. Equip learners with knowledge and skills required to work as part of a Hotel Front Office team. CO 2. Evaluate functional systems i.e., accounting, finance, marketing and management in the lodging and travel industry

			<p>CO 3. Apply human, financial, technical and facilities resource management into food service/lodging and travel operations</p> <p>CO 4. Demonstrate problem solving and critical thinking by applying skills and knowledge to different contexts in the hospitality and travel industry</p>
5.	ALLIED	Hotel Economics and Entrepreneurship	CO 1. To understand the economical aspects of hotel industry and self employment.
6.	ALLIED	Human Resource Management	<p>CO 1. To study the management practices that directly affect human resources who work for the organization</p> <p>CO 2. To enable to learn the essential concepts of Human Resource Management</p>
7.	SKILL	Business Statistics	<p>CO 1. To Understand About Scope Of Statistics, Characteristics, Function And Limitation.</p> <p>CO 2. To Understand Survey , Planning, Classification Of Data, Measures of Central Tendency and Dispersion, Business Forecasting in Hotels</p>
8.	SKILL	Food Processing and Preservation	CO 1. To understand preserving and canning of foods used in Food Technology.
9.	SKILL	Hotel Information Technology	CO 1. To familiarize and handle MS Office Software for making use of Word, PowerPoint, Excel, Access for day to day operations of a hotel.
<b>B.Sc. CULINARY SCIENCE</b>			
<b>SEMESTER I</b>			
1.	CORE	Principles of Culinary Arts – 1	CO 1. To Learn Cooking methodology, Organizational Structure of The Kitchen, Section of kitchen
2.	CORE	Bakery and Confectionery Art - I	<p>CO 1. To make the Students Good Baker</p> <p>CO 2. To improve Bakery Products and Confectionary Products</p>
3.	ALLIED	Fundamentals of Food and	CO 1. To Study about the types of



		Beverage Service	Catering Establishment and the attributes of Food and Beverage Service Personnel. CO 2. To Gain Basic Knowledge
4.	ALLIED	Food Safety and Hygiene	CO 1. To Learn How to work with Safety CO 2. To maintain hygiene Environment
5.	NME	Basic Culinary Practice - I	CO 1. Understand the importance of the kitchen department and the role it plays, know about various personnel in the kitchen and their duties and responsibilities. Understand the Various commodities used in the culinary.
<b>SEMESTER II</b>			
1.	CORE	Principles of Culinary Arts – II	CO 1. To Learn Cooking methodology, Organizational Structure of The Kitchen, Section of kitchen
2.	ALLIED	Nutrition and Food Science	CO 1. The Main concept of this paper to make the students understand the value & Importance of Nutrition & Health in food CO 2. To give a good knowledge of Health & Nutrition and its under disciplinary CO 3. To assess the Nutritional Status in food CO 4. The measures to overcome malnutrition deficiency CO 5. To understand the various food Standards CO 6. To know the Nutrition Education and its Methods
3.	ALLIED	Accommodation Operation Management	CO 1. To Understand Importance of Housekeeping Department CO 2. To Learn House Keeping Department Duties and Responsibility
4.	ALLIED	Contract Services and Purchasing System	CO 1. To make the student understand the concept of purchasing & the key issues and developments in managing supplier, customer management and supply chain partner.
5.	ELECTIVE	Front Office Management	CO 1. To learn Function of Front office

			Department, Reservation and Registration CO 2. To learn Mode of Reservation CO 3. To know how to Create Daily Report
6.	SKILL	Culinary Practical – I	CO 1. To understand the evolution of the catering industry CO 2. To study about Restaurant operations, and service equipment. CO 3. To understand about kitchen stewarding and pantry functions. CO 4. To enable the student to understand the importance of menu and menu planning. CO 5. To acquire in-depth knowledge about non-alcoholic beverages and tobacco.
7.	NME	Basic Culinary Practice - II	CO 1. To impart management skills in Bakery and Confectionery
<b>SEMESTER III</b>			
1.	CORE	Purchase and Cost Control	CO 1. To Learn How to calculate Food Cost Understand Formula of Profit and Lost CO 2. To Understand Yield Management, Production Control
2.	CORE	Global Cuisine and Gastronomy	CO 1. This course introduces the student to a variety of cultural ingredients and cooking styles used throughout the globe.
3.	ALLIED	Quantity Production and Banquet Management	CO 1. Develop knowledge & interest in basic Indian food production. CO 2. Know different equipment used in cooking.
4.	ALLIED	Principles of Management	CO 1. To Manage the Employee, How to lead the team CO 2. To Learn Function of Manager CO 3. Learn about Planning , Organizing
5.	ALLIED	Practice of Business Communication	CO 1. To Know Basic Concept of Communicate with guest and coo staff CO 2. To Observe Listening skill CO 3. To Learn Internal and External Communication
6.	ALLIED	Application of Computers	CO 1. To learn basic Computer

			knowledge CO 2. To understand Front office Department Software Important Internet and Hardware and software
7.	NME	Food Photography and Presentation	CO 1. The food photography course would teach students how to creatively imagine a food presentation picture to effectively represent the food items in a picture with an appealing and tantalizing look.
<b>SEMESTER IV</b>			
1.	CORE	Gardemanger and Presentation	CO 1. To understand more about Vegetable, Fruit , Non Edible Displays CO 2. To be familiarize with Storage , Sandwich Canapés, Garnish
2.	CORE	Bakery and Confectionary Art - II	CO 1. To Define the aims Organizational Structure equipments Raw Materials used in Bakery and Confectionary CO 2. To Give Examples and Methods of Preparing Yeast Dough Products. CO 3. To Find out the Methods of Preparing Pastries, Cakes and Cookies. CO 4. To identify the kinds of Icings and Preparatory Methods.
3.	ALLIED	Menu Function and Material Management	CO 1. To understand how the knowledge of materials management can be an advantage to logistics and supply chain operations.
4.	ALLIED	Hospitality Financial Accounting	CO 1. To give the students an insight into the practical accounting systems adopted in hotels. CO 2. To understand how to prepare final accounts of small business organization. CO 3. To learn the basic of banking transactions.
5.	ALLIED	Indian Cuisine and Culture	CO 1. Learners will be able to understand the usages of different spices, masalas, herbs and

			commodities used in Indian Cuisine.
6.	SKILL	Front Office Management Practical	CO 1. To impart the knowledge of the practical skills and to practice the role play of each areas in front office.
<b>SEMESTER V</b>			
1.	CORE	Food Production Operation – I	CO 1. To gain more knowledge about culinary maths and yield percentage. CO 2. To be familiarize with garde manger and charcuterie products. CO 3. To understand about kitchen planning, kitchen design, material & Storing, Kitchen stewarding.
2.	CORE	Hospitality Marketing Management	CO 1. To Understand about nature and scope of marketing CO 2. To be familiarize about marketing research, intelligent systems. CO 3. To understand briefly about pricing marketing and strategies. CO 4. Importance of promotion in marketing, promotion mix and green marketing.
3.	ALLIED	Hotel Law	CO 1. Examine the legislation that affects the planning and building of international hospitality facilities CO 2. Assess the legal issues involved in human resource management including recruitment, selection, discipline and dismissal within an international hospitality business environment CO 3. Demonstrate understanding of the rules regarding the rights and liabilities of hospitality managers under existing laws governing the international hotel industry CO 4. Employ professional and ethical standards relative to the international hospitality industry CO 5. Embrace appropriate courses of action when faced with legal

			problems CO 6. Discuss the key areas of international hospitality legislation that affect the provision of hospitality services CO 7. Support in-class discussions surrounding legal issues affecting the international hospitality sector.
4.	ALLIED	Food Engineering	CO 1. To understand the principle of Unit operation. CO 2. To acquaint with fundamentals of food engineering and its process. CO 3. To understand the basics of designing of food plant and systems.
5.	ALLIED	Food Processing and Preservation	CO 1. To impart thorough knowledge on the technical skills in various aspects of food processing and preservation. CO 2. To inculcate the students to work in a hygienic way. CO 3. To provide an employment potential in food processing and preservation /self-employment.
6.	SKILL	Advanced Culinary Practical	CO 1. To be familiarized with French menu from starters to desserts
<b>SEMESTER VI</b>			
1.	CORE	Kitchen Facility Planning	CO 1. To impart more knowledge about the design, architecture of the hotel CO 2. To understand about the kitchen layout, design and workspace in the kitchen
2.	CORE	Food Production Operation – II	CO 1. To impart more knowledge about the larder, duties & responsibilities, charcuterie products CO 2. To be familiarized about the forcemeat, chaud froid, appetizers & garnishes
3.	ALLIED	Food and Health Tourism	CO 1. Know the need for health and wellness in tourism. CO 2. Understand origin and development of health tourism. CO 3. Know the tools of wellness.

4.	SKILL	Chocolate and Ice Cream Manufacturing	CO 1. To demonstrate a working knowledge of terms, ingredients, equipment and tools. CO 2. To Employ safe food handling practices using contemporary guidelines CO 3. To Understand properties and functions of the basic ingredients used in candies CO 4. To temper chocolate and use it successfully in molds CO 5. To Produce confections using commercial ingredients and equipment
5.	PROJECT	Research Project	CO 1. 5 Star Kitchen Planning CO 2. Layout Menu Engineering CO 3. Cost CO 4. Related to Hospitality industry project topics CO 5. Feasibility of opening a healthy concept of restaurants Ex Fast food outlets CO 6. Feasibility of opening a star category hotel on highways CO 7. Comparison of Indian fast food outlets and western
<b>B.Sc. HOSPITALITY MANAGEMENT</b>			
<b>SEMESTER I</b>			
1.	CORE	Food Production – I	CO 1. Understand Origin, Concept of Culinary Preparations. CO 2. Understand the safety procedures and hygiene & food safety. CO 3. Understand the importance of the kitchen department and the role it plays, know about various personnel in the kitchen and their duties and responsibilities. CO 4. Understand the Various commodities used in the culinary.
2.	CORE	Food Production Practical – I	CO 1. To familiarize and handle various kitchen equipments, ingredients, cooking methods and basic continental foods.
3.	ALLIED	Food & Beverage Service – I	CO 1. To Study about the types of Catering Establishment and the attributes of Food and Beverage

			Service Personnel. CO 2. To Gain Basic Knowledge on the Equipment, Menu and skills necessary for food and Beverage service.
4.	ALLIED	Food & Beverage Service Practical – I	CO 1. To gain practical knowledge on Food and Beverage Service equipment and basic cover laying CO 2. To compile five French classical menu and service procedure of courses.
5.	SKILL	Front Office Operation – I	CO 1. To educate on the procedures and practices adopted for the co-ordination between guests and hotel service. CO 2. To impart knowledge on sales promotion activities and credit control measures adopted in hotels.
6.	SKILL	Front Office Operation Practical – I	CO 1. To Familiarize and handle various Front office procedures in the Hotel and to develop skills dealing with the guest.
7.	NME	Nutrition and Food Science	CO 1. To make the students to understand about Micro and Macronutrients, Food Adulteration and its impact on Human beings, and creating strong to understand towards Nutritional aspects of regional foods and recent trends in food service industry relevance to Nutrition and Health.
<b>SEMESTER II</b>			
1.	CORE	Food Production – II	CO 1. Understand about Mother sauces, Contemporary and Proprietary sauces, Condiments, Salads, Stocks Identify various types of meats and classification, selection procedures. CO 2. Various cuts of Meat, fish, recognize the importance of selection and storage of each meat, prepare and process various meats as per standards and specifications.

			CO 3. Understand about QTK, Equipment, menu planning, Cost control, Indenting, Volume feeding, Kitchen Layout
2.	CORE	Food Production Practical – I	CO 1. To familiarize and handle various kitchen equipments, ingredients, cooking methods and basic continental foods.
3.	ALLIED	Hotel Engineering & Maintenance	CO 1. After studying this subject students should be in a position to understand and appreciate the facilities that exist in a hotel building and its systems.
4.	SKILL	Food & Beverage Service Practical – I	CO 1. To gain practical knowledge on Food and Beverage Service equipment and basic cover laying CO 2. To compile five French classical menu and service procedure of courses.
5.	SKILL	Front Office Operation Practical – I	CO 1. To Familiarize and handle various Front office procedures in the Hotel and to develop skills dealing with the guest.
6.	SKILL	Accommodation Operation – I	CO 1. To provide basic skill and knowledge required for housekeeping personnel. CO 2. To have a sound knowledge of care and cleaning of various surfaces. CO 3. To understand the organizational hierarchy of housekeeping department
7.	SKILL	Accommodation Operation Practical- I	CO 1. To impart skills in basic housekeeping operations
8.	NME	Interior Designing	CO 1. To provide the knowledge of the history and developments in interior design CO 2. To provide knowledge on basic principles and concepts of interior decoration
<b>SEMESTER III</b>			
1.	CORE	Food Production - III	CO 1. Identify various types of soups used, preparations, classical international soups, garnishes and serving. CO 2. Identify various types of eggs,



			<p>classification, structure, selection uses and preparations and learn about culinary terms in western terminology</p> <p>CO 3. To Understand about Principles of Food Storage, Preservation of Food.</p>
2.	CORE	Food Production Practical – II	<p>CO 1. To familiarize students with various cuts of poultry, fish, Cuts of Meat by Demo.</p> <p>CO 2. To be familiarized with a set of Prepared Menus.</p>
3.	CORE	Hotel Economics	<p>CO 1. To give the students a basic exposure to the concepts of economics and its importance to the hotel industry.</p> <p>CO 2. So teachers are advised to explain these concepts with reference to hotel industry.</p>
4.	CORE	Hotel Accounting and Finance	<p>CO 1. To give the students an insight into the practical accounting systems adopted in hotels.</p> <p>CO 2. To understand how to prepare final accounts of small business organization.</p> <p>CO 3. To learn the basic of banking transactions.</p>
5.	ALLIED	Food & Beverage Service – II	<p>CO 1. To familiarize with Meals &amp; Menu Planning, Preparation for Service, Types of food service,</p> <p>CO 2. To be familiar with Sale control system, Tobacco</p>
6.	ALLIED	Food & Beverage Service Practical – II	<p>CO 1. To familiarize students with various aspects of Table layup service, Tray/ Trolley set up service.</p> <p>CO 2. To familiarize with Preparation for service, Procedure for service of a meal, Special food service.</p>
7.	ALLIED	Front Office Operations – II	<p>CO 1. To enable the students to handle guest check in and check outs Handle reservations and walk ins.</p>
8.	ALLIED	Event Management	<p>CO 1. To impart knowledge on the basic concepts of event management</p>
9.	ALLIED	Hotel Information	<p>CO 1. To learn the basics of computer</p>

		Technology	<p>and information technology</p> <p>CO 2. To understand the function of the operating system and DOS commands</p> <p>CO 3. To Learn about usage of Internet, E-mail and World Wide Web</p>
<b>SEMESTER IV</b>			
1.	CORE	Bakery and Confectionery	<p>CO 1. To provide the basic skills of bakery and confectionery</p> <p>CO 2. To provide the knowledge of techniques in bakery</p>
2.	CORE	Food Production Practical – II	<p>CO 1. To familiarize students with various cuts of poultry, fish, Cuts of Meat by Demo.</p> <p>CO 2. To be familiarized with a set of Prepared Menus.</p>
3.	CORE	Food And Beverage Service – III	<p>CO 1. To gain the knowledge about the spirits, alcoholic origin and cocktail methods</p> <p>CO 2. To study about the methods of preparation of various alcohols and spirits.</p>
4.	CORE	Food & Beverage Service Practical – II	<p>CO 1. To familiarize students with various aspects of Table layup service, Tray/ Trolley set up service.</p> <p>CO 2. To familiarize with Preparation for service, Procedure for service of a meal, Special food service.</p>
5.	ALLIED	Accommodation Operations – II	<p>CO 1. To learn about the advanced practices of housekeeping department</p> <p>CO 2. To make the students learn about the fibres, flower arrangement and interior decoration in detail</p>
6.	ALLIED	Fundamentals of Computer Applications Practical	<p>CO 1. To make the students learn about the basic concepts in computer applications</p>
7.	ALLIED	Hospitality Marketing Management	<p>CO 1. To appraise the students to tackle the competitive market situation</p> <p>CO 2. To have clear distinctive study on hospitality products and their marketing ways</p>
8.	ALLIED	Food and Beverage Management	<p>CO 1. To understand the regulation of cost and revenue of operating the catering activity in hotels and</p>

			food and beverage establishments CO 2. To familiarize and update knowledge in order to improve the profitability and productivity of food and beverage service
<b>SEMESTER V</b>			
1.	CORE	Organizational Behaviour	CO 1. The learners will be able to conceptualize the components of individual and group behaviour, understand the various work situations and apply behavioral techniques.
2.	CORE	Principles of Management	CO 1. To Make the students learn about the management techniques and objectives of an organization, also to understand the administrative techniques.
3.	CORE	Facility Management	CO 1. To educate on the operational and functional planning of food service facilities CO 2. To impart knowledge on the energy conservation practices in hotel industry.
4.	ALLIED	Front Office Management - I	CO 1. To educate on the procedures and practices adopted for the coordination between guests and hotel services. CO 2. To impart knowledge on sales promotion activities and credit control measures adopted in hotels.
5.	ALLIED	Front Office Management Practical	CO 1. To make the students perform the role play, thereby learn the regular activities of the front office personnel.
6.	ALLIED	International Tourism	CO 1. To create awareness about the issues of international tourism CO 2. To impart knowledge about the tourism in developing countries CO 3. To acquire knowledge on alternative international tourism
7.	ALLIED	Business Law	CO 1. To make the students understand the laws practiced in the hospitality business.
<b>SEMESTER VI</b>			
1.	CORE	Food Production – IV	CO 1. To make the students acquire

			knowledge of the various cuisines of different parts of the world.
2.	CORE	Food Production Practical III	CO 1. Demonstration and preparation of Concept Menus of various countries
3.	CORE	Food and Beverage Service – IV	CO 1. To make the students learn about the bar operations and services followed in Food and Beverage department.
4.	CORE	Food and Beverage Service Practical – III	CO 1. To impart knowledge on the planning of banquets, buffet planning, sequence of food serviced and the procedure of gueridon service.
5.	CORE	Human Resource Management	CO 1. To study the management practices that directly affect human resources who work for the organization CO 2. To enable to learn the essential concepts of human resource management
6.	ALLIED	Front Office Management – II	CO 1. To educate on the procedures and practices adopted for the co-ordination between guests and hotel services. CO 2. To impart knowledge on sales promotion activities and credit control measures adopted in hotels CO 3. To provide the study of safety measures to guests in a hotel
7.	ALLIED	Front Office Management Practical – II	CO 1. To make the students perform the role play, thereby learn the regular activities of the front office personnel.
8.	ALLIED	Hygiene and Sanitation	CO 1. To make the students understand about the hygiene and sanitation procedures to be followed in an organization
<b>B.Sc. FIRE AND SAFETY MANAGEMENT</b>			
<b>SEMESTER I</b>			
1.	CORE	Fire Prevention & Protection	CO 1. Have a greater awareness of fire and its associated dangers. CO 2. Understand the generic requirements of a Fire Marshal.

			<p>CO 3. Have the skills to initiate emergency procedures and promote a positive response from others.</p> <p>CO 4. Be able to identify fire safety hazards and risks in the workplace and report deficiencies.</p>
2.	CORE	Electrical Safety	<p>CO 1. Qualified and unqualified worker. Effects of electricity on human body.</p> <p>CO 2. Appreciate the need to isolate equipment and the techniques of safe isolation.</p> <p>CO 3. Documentation required ensuring that any risk to personnel is minimized.</p>
3.	ELECTIVE	Chemical Safety	<p>CO 1. It will provide an introduction to the scope of hazardous substances and the problems they pose at the places of work,</p> <p>CO 2. Improve the skills of participants in recognizing hazards and preventive safety work practices in relation of the production and use of chemicals,</p> <p>CO 3. Improve the skills of information retrieval and convey information to workers, employers and government officials.</p>
4.	SKILL	Fire Fighting & Rescue Operations Mock Drill (Practical)	<p>CO 1. Unskilled person to work under supervision of skilled person.</p> <p>CO 2. Safety Awareness to be created.</p> <p>CO 3. Importance of Mock Drill explained for Quick response in case of emergency.</p>
<b>SEMESTER II</b>			
1.	CORE	Principles of Safety Management	<p>CO 1. This course examines occupational safety and health practices needed to address occupational safety and health issues in the workplace.</p>
2.	CORE	Industrial Hygiene	<p>CO 1. An ability to formulate or design a system, process, procedure or program to meet desired needs.</p> <p>CO 2. An ability to develop and conduct</p>

			experiments or test hypotheses, analyze and interpret data and use scientific judgment to draw conclusions.
3.	ELECTIVE	Environmental Safety	<p>CO 1. Apply the basic concepts and fundamentals of environmental health sciences and key environmental health issues.</p> <p>CO 2. Develop the risk assessment concepts and make decisions about the environmental health issues.</p> <p>CO 3. Develop skills in analyzing, sensitizing and managing the community about environmental health issues.</p> <p>CO 4. Interpret in appropriate biological, chemical and physical terms the potential consequences of exposure to hazardous environmental / occupational agents</p> <p>CO 5. Diagnose the cause of environmental pollution and design appropriate control measures to improve the health outcomes</p>
4.	SKILL	Elementary First Aid (Practical)	<p>CO 1. Able to understand how and when to administer first aid</p> <p>CO 2. Able to provide appropriate treatment for the purpose of preserving life</p> <p>CO 3. Able to minimise the consequences of injury until the arrival of medical assistance</p> <p>CO 4. Able to provide appropriate treatment for an injury which does not require the attention of a medical practitioner or nurse</p> <p>CO 5. Familiar with health &amp; safety legislation on first aid in the workplace (e.g. Contents of First</p>

			Aid Box)
<b>SEMESTER III</b>			
1.	CORE	Constructional Safety	<p>CO 1. To articulate the importance of safety on the construction site.</p> <p>CO 2. Be aware of operating life cycle of infrastructure and its safe delivery, from safety in design through to operation.</p> <p>CO 3. To be able to interpret legislation including: the safety act and regulations, codes of practice, roles and responsibilities.</p> <p>CO 4. To understand the role of safety systems.</p>
2.	CORE	Environmental, Health and Safety (EHS) Laws & Acts	<p>CO 1. Apply the basic concepts and fundamentals of environmental health sciences and key environmental health issues.</p> <p>CO 2. Develop the risk assessment concepts and make decisions about the environmental health issues.</p> <p>CO 3. Develop skills in analyzing, sensitizing and managing the community about environmental health issues.</p> <p>CO 4. Interpret in appropriate biological, chemical and physical terms the potential consequences of exposure to hazardous environmental/occupational agents</p>
3.	CORE	Hazard Identification and Risk Assessment	<p>CO 1. Be able to identify the hazards and risks relating to a community/ enterprise.</p> <p>CO 2. Be able to specify the characteristics of hazards and risks, including appropriate specific hazard and risk descriptions.</p> <p>CO 3. Be able to specify the characteristics of a community/enterprise, including appropriate specific community/enterprise descriptions.</p>

			CO 4. Be able to determine the impact of hazards on a community/enterprise
4.	ELECTIVE	Fire Design Engineering	<p>CO 1. Determine the appropriate fire protection requirements by categorizing buildings by construction type, fire safety hazards and intended usage to ensure adequate life safety.</p> <p>CO 2. Assess the acceptability of the proposed design by predicting human behaviour during fire evacuation.</p> <p>CO 3. Troubleshoot issues with fire protection systems for the purpose of returning the system to working order</p>
5.	SKILL	Scaffolding & Work at Height (Practical)	<p>CO 1. To understand the basic concepts of safety</p> <p>CO 2. To enable the students to learn about various functions and activities of safety department.</p>
<b>SEMESTER IV</b>			
1.	CORE	Safety In Oil & Gas Sector	<p>CO 1. Students will become familiar with Oil &amp; Gas operations and activities at upstream, midstream and downstream stage.</p> <p>CO 2. Students will be able to describe characteristics of crude oil and the classification of petroleum products.</p>
2.	CORE	Food Safety (Haccp)	<p>CO 1. This course will provide students with information on basic microbiology, safety, personal hygiene, general handling of food.</p> <p>CO 2. Local legislation for the food.</p>
3.	CORE	Industrial Safety Management	<p>CO 1. Identify hazard and potential hazard areas.</p> <p>CO 2. Develop safety programs to prevent or mitigate damage or losses.</p> <p>CO 3. Assess safety practices and programs.</p> <p>CO 4. Conduct safety audits.</p>



			CO 5. Improve safety practices.
4.	ELECTIVE	Personal Protective Equipments (PPE)	<p>CO 1. Demonstrate basic knowledge of, and identify, the basic requirements of the use, management, maintenance, and storage of PPE.</p> <p>CO 2. Explain and develop a hazard assessment program which pertains to PPE including the warning methods and physical barriers, moral and financial reasons for promoting the wearing of PPE.</p> <p>CO 3. Ensure that PPE is worn not only to protect the user to some degree, but to create a safe workplace for all employees.</p>
<b>SEMESTER V</b>			
1.	CORE	Safety in Logistics & Warehouse Safety	<p>CO 1. Identify and Analyze Business Models, Business Strategies and, corresponding Competitive Advantage.</p> <p>CO 2. Formulate and implement Warehouse Best Practices and Strategies</p> <p>CO 3. Plan Warehouse and Logistics operations for optimum utilization of resources</p>
2.	CORE	Safety in Textile Industries	<p>CO 1. Preventing personal injury/illness and property damage associated with high risk tasks in workplaces including hot work, electrical work, work at height, work with hazardous energy, operations with machine guards, work inside confined space etc.</p> <p>CO 2. Applying proper procedures of safe handling, use, storage and disposal of hazardous chemicals and protecting employees from exposures of hazardous chemicals.</p> <p>CO 3. Managing risks at chemical laboratories through best practices and procedures effectively.</p>

3.	CORE	Hazardous Waste Management	<p>CO 1. Evaluate the subject from the technical, legal and economical points by learning of all terms related to general hazardous waste management.</p> <p>CO 2. Define the principles of hazardous waste management.</p> <p>CO 3. Examine the technical points that are required to set up a hazardous waste management system.</p> <p>CO 4. Apply the legal legislation related to hazardous waste management.</p> <p>CO 5. Make an economical analysis of the hazardous waste management system.</p>
4.	ELECTIVE	Safety in Mining Industries	<p>CO 1. To provide in depth knowledge on Safety in mines of various types.</p> <p>CO 2. To study, know and understand about the types of mines and various risk involved in the mining operations.</p> <p>CO 3. To get exposed to various types of accidents happened in mines and how to manage during accidents.</p>
5.	SKILL	Ergonomics & Physical Safety Practical	<p>CO 1. Studying the work procedure and understanding the relationships between the workers and working environments</p> <p>CO 2. To study the applications of ergonomic principles and physiology of workers</p> <p>CO 3. To know the concepts of personal protective equipment and its usages</p> <p>CO 4. To create the knowledge in process and equipment design in safety aspects</p>
6.	NME	Emergency Preparedness & Response	<p>CO 1. Provides students the ability to identify emergency situations and assess appropriate Emergency Preparedness (ERP) systems.</p> <p>CO 2. Students learn how to evaluate issues that arise prior to, during, and immediately following an</p>

			emergency, as well as any long-term recovery challenges.
<b>SEMESTER VI</b>			
1.	CORE	Lifting Equipments & Transport Safety	CO 1. Recognize various safety activities undertaken in transporting of hazardous goods CO 2. Understand the various symbols which are specific to the road safety and able to reduce the accidents occurred in the roads. CO 3. Apply for the safe transportation of hazardous goods, creating TREM card and safe loading and unloading procedure.
2.	CORE	Safety Inspection & Audit	CO 1. Recognise the purpose and benefits of safety inspections CO 2. Study how to plan and execute an effective and beneficial safety inspection CO 3. Practice how to use checklists to save time and improve inspection quality CO 4. Classify and document potential and actual hazards related to facilities and equipment
3.	CORE	Safety in Material Handling and Equipment Safety	CO 1. To present the potential hazards associated with handling materials and detail the work precautions for preventing injuries. CO 2. We will present how to properly store and handle materials, the personal protective equipment necessary, types of material handling equipment available and how to use them. CO 3. We will also discuss incident prevention and its importance related to material handling.
4.	CORE	Fire and Safety Internship Training Report and Viva – Voce	CO 1. To facilitate the students to understand the basic concept and principles of functional areas of FIRE AND SAFETY and make use of the tools, techniques and processes.
<b>BCA</b>			

SEMESTER I			
1.	CORE	Fundamentals of Computer and C Programming	<p>CO 1. Ability to work with textual information, characters and strings.</p> <p>CO 2. Ability to work with arrays of complex objects. Understanding a concept of object thinking within the framework of functional model.</p> <p>CO 3. Understanding a concept of functional hierarchical code organization.</p>
2.	CORE	Lab - Programming in C	<p>CO 1. Develop a C program.</p> <p>CO 2. Control the sequence of the program and give logical outputs.</p> <p>CO 3. Implement strings in your C program.</p> <p>CO 4. Store different data types in the same memory.</p> <p>CO 5. Manage I/O operations in your C program.</p>
3.	ALLIED	Discrete Mathematics	<p>CO 1. Write an argument using logical notation and determine if the argument is or is not valid.</p> <p>CO 2. Demonstrate the ability to write and evaluate a proof or outline the basic structure of and give examples of each proof technique described.</p> <p>CO 3. Understand the basic principles of sets and operations in sets.</p> <p>CO 4. Prove basic set equalities.</p> <p>CO 5. Apply counting principles to determine probabilities</p>
4.	SKILL	Lab - Office Automation	<p>CO 1. To perform documentation</p> <p>CO 2. To perform accounting operations</p> <p>CO 3. To perform presentation skills</p>
5.	NME	Computer Fundamentals	<p>CO 1. Understanding the concept of input and output devices of Computers</p> <p>CO 2. Learn the functional units and classify types of computers, how they process information and how individual computers</p>

			<p>interact with other computing systems and devices.</p> <p>CO 3. Understand an operating system and its working, and solve common problems related to operating systems</p> <p>CO 4. Learn basic word processing, Spreadsheet and Presentation Graphics Software skills.</p> <p>CO 5. Study to use the Internet safely, legally, and responsibly</p>
<b>SEMESTER II</b>			
1.	CORE	Object Oriented Programming with C++	<p>CO 1. Understand tokens, expressions, and control structures.</p> <p>CO 2. Explain arrays and strings and create programs using them.</p> <p>CO 3. Describe and use constructors and destructors.</p> <p>CO 4. Understand and employ file management.</p>
2.	CORE	Lab - Problem solving using C++	<p>CO 1. Student should be able to understand the logic building used in Programming.</p> <p>CO 2. Students should be able to write algorithms for solving various real life problems.</p> <p>CO 3. To convert algorithms into programs using C.</p>
3.	ALLIED	Computer based Financial accounting	<p>CO 1. To understand business and its role in society</p> <p>CO 2. To have an understanding of Business ethics and CSR</p> <p>CO 3. To comprehend the business environment and various dimensions</p> <p>CO 4. To familiarize Technology integration in business</p> <p>CO 5. To introduce the importance and fundamentals of business research</p>
4.	SKILL	Lab - Business accounting	<p>CO 1. Explain The Basic Concepts of financial accounting.</p> <p>CO 2. Students are equipped with the skill of preparing financial accounts.</p> <p>CO 3. Understanding the financial</p>

			<p>statements of various types of business units other than corporate</p> <p>CO 4. Calculate profits or losses from incomplete records</p> <p>CO 5. Prepare royalty accounts</p> <p>CO 6. Prepare accounts of consignment</p>
5.	NME	Internet applications	<p>CO 1. Analyze a web page and identify its elements and attributes.</p> <p>CO 2. Create web pages using XHTML and Cascading Style Sheets.</p> <p>CO 3. Build dynamic web pages using JavaScript (Client side programming).</p> <p>CO 4. Create XML documents and Schemas.</p> <p>CO 5. Build interactive web applications using AJAX.</p>
<b>SEMESTER III</b>			
1.	CORE	Java Programming	<p>CO 1. Covers software design, implementation, and testing using Java.</p> <p>CO 2. Introduces object-oriented design techniques and problem solving.</p>
2.	CORE	Lab - Java Programming	<p>CO 1. Able to write programs for solving real world problems using java collection frame work.</p> <p>CO 2. Able to write programs using abstract classes.</p>
3.	CORE	Digital Principles and Computer organization	<p>CO 1. Design various combinational digital circuits using logic gates.</p> <p>CO 2. Design sequential circuits and analyze the design procedures.</p> <p>CO 3. State the fundamentals of computer systems and analyze the execution of an instruction.</p> <p>CO 4. Analyze different types of control design and identify hazards.</p>
4.	ALLIED	E - Commerce	<p>CO 1. Understand the basic concepts and technologies used in the field of management information systems;</p> <p>CO 2. Have the knowledge of the different types of management information systems;</p>

			<p>CO 3. Understand the processes of developing and implementing information systems;</p> <p>CO 4. Be aware of the ethical, social, and security issues of information systems.</p>
5.	SKILL	Lab - Script Programming (HTML/Javascript/VBscript)	<p>CO 1. Understand, analyze and apply the role of languages like HTML, DHTML, CSS, XML, Javascript, VB Script</p> <p>CO 2. Protocols in the workings of the web and web applications</p> <p>CO 3. Analyze a web page and identify its elements and attributes.</p>
<b>SEMESTER IV</b>			
1.	CORE	Data Structures and Computer Algorithms	<p>CO 1. Ability to program data structures and use them in implementations of abstract data types.</p> <p>CO 2. Ability to devise novel solutions to small scale programming challenges involving data structures and recursion.</p> <p>CO 3. Understanding of basic algorithmic complexity.</p>
2.	CORE	Lab - Data Structures and Computer Algorithms	<p>CO 1. To develop skills to design and analyze simple linear and non linear data structures.</p> <p>CO 2. It strengthen the ability to the students to identify and apply the suitable data structure for the given real world problem.</p> <p>CO 3. It enables them to gain knowledge in practical applications of data structures.</p>
3.	CORE	Operating Systems	<p>CO 1. Students will learn how Operating System is Important for Computer System.</p> <p>CO 2. To make aware of different types of Operating System and their services.</p> <p>CO 3. To learn different process scheduling algorithms and synchronization techniques to achieve better performance of a computer system.</p>
4.	ALLIED	Computer Graphics and	CO 1. Understand the basics of

		Multimedia	<p>computer graphics, different graphics systems and applications of computer graphics.</p> <p>CO 2. Discuss various algorithms for scan conversion and filling of basic objects and their comparative analysis.</p> <p>CO 3. Use of geometric transformations on graphics objects and their application in composite form.</p> <p>CO 4. Extract scene with different clipping methods and its transformation to graphics display device.</p> <p>CO 5. Explore projections and visible surface detection techniques for display of 3D scene on 2D screen.</p> <p>CO 6. Render projected objects to naturalize the scene in 2D view and use of illumination models for this</p>
5.	SKILL	Lab - Linux Programming	CO 1. Familiarize students with the Linux environment, and able to run commands on a standard Linux operating system.
<b>SEMESTER V</b>			
1.	CORE	Database Management Systems	<p>CO 1. Understand the basic principles of database management systems.</p> <p>CO 2. Draw Entity-Relationship diagrams to represent simple database application scenarios</p> <p>CO 3. Write SQL queries for a given context in relational database.</p> <p>CO 4. Discuss normalization techniques with simple examples.</p> <p>CO 5. Describe transaction processing and concurrency control concepts.</p>
2.	CORE	Software Engineering	CO 1. How to apply the software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction,



			<p>and deployment</p> <p>CO 2. An ability to work in one or more significant application domains</p> <p>CO 3. Work as an individual and as part of a multidisciplinary team to develop and deliver quality software</p> <p>CO 4. Demonstrate an understanding of and apply current theories, models, and techniques that provide a basis for the software lifecycle</p> <p>CO 5. Demonstrate an ability to use the techniques and tools necessary for engineering practice</p>
3.	CORE	Dot Net Programming	<p>CO 1. Explain how to create dynamic Web pages by using ASP.NET.</p> <p>CO 2. Configure an ASP.NET application by using.</p> <p>CO 3. Create a user interface on an ASP.NET page by using standard Web server controls.</p>
4.	CORE	Lab - Dot Net Programming(VB.Net)	<p>CO 1. Explain how to create dynamic Web pages by using ASP.NET.</p> <p>CO 2. Configure an ASP.NET application by using.</p> <p>CO 3. Create a user interface on an ASP.NET page by using standard Web server controls.</p>
5.	ELECTIVE	Client / Server System	<p>CO 1. Explain Client-Server software, Context Switching and Protocol Software, I/o.</p> <p>CO 2. Define System Calls, Basic I/O Functions available in UNIX</p> <p>CO 3. Illustrate socket interface, TCP, UDP in detail.</p> <p>CO 4. Compare various client Software and various algorithms issue related to server software design.</p>
6.	SKILL	Lab - PHP and MySQL	<p>CO 1. List the major elements of the PHP &amp; MySQL work and explain why PHP is good for web development.</p> <p>CO 2. Learn how to take a static website and turn it into a</p>

			dynamic website run from a database using PHP and MySQL.
<b>SEMESTER VI</b>			
1.	CORE	Computer Networks	CO 1. Explain basic concepts, OSI reference model, services and role of each layer of OSI model and TCP/IP, networks devices and transmission media, Analog and digital data transmission CO 2. Apply channel allocation, framing, error and flow control techniques. CO 3. Describe the functions of Network Layer i.e. Logical addressing, subnetting & Routing Mechanism.
2.	CORE	Web Programming	CO 1. Structure and implement HTML/CSS. CO 2. Apply intermediate and advanced web development practices. CO 3. Implement basic JavaScript. CO 4. Create visualizations in accordance with UI/UX theories. CO 5. Develop a fully functioning website and deploy on a web server.
3.	CORE	Lab - Web Programming	CO 1. Analyze a web page and identify its elements and attributes. CO 2. Create web pages using XHTML and Cascading Style Sheets. CO 3. Build dynamic web pages using JavaScript (Client side programming). CO 4. Create XML documents and Schemas.
4.	ELECTIVE	Data Mining	CO 1. To fully understand standard data mining methods and techniques such as association rules, data clustering and classification. CO 2. Learn new, advanced techniques for emerging applications (e.g. social network analysis, stream data mining). CO 3. Gain practical intuition about how to apply these techniques on

			datasets of realistic sizes using modern data analysis frameworks.
5.	ELECTIVE	Project Work / Viva-Voce	<p>CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate &amp; state a research problem</p> <p>CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable</p> <p>CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any</p> <p>CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret &amp; analyze it and test the hypotheses wherever applicable</p> <p>CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem</p> <p>CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners</p>
6.	SKILL	Mobile Application Development	<p>CO 1. Install and configure Android application development tools.</p> <p>CO 2. Design and develop user Interfaces for the Android platform.</p> <p>CO 3. Save state information across important operating system events.</p> <p>CO 4. Apply Java programming</p>

			concepts to Android application development.
<b>BBA AVIATION MANAGEMENT</b>			
<b>SEMESTER I</b>			
1.	CORE	Management Process	CO 1. To enable the students to understand the fundamental principles of management analyze the role of planning and decision making in business comprehend the various principles and structures in organizing keep abreast the concepts of staffing and directing in management and apply the principles and techniques of controlling in business situations
2.	CORE	Fundamentals of Accounting	CO 1. To enable the students develop conceptual understanding of the basic accounts system through book-keeping mechanism and to prepare financial statement
3.	ALLIED	Economics for Executives	CO 1. To enable the students understand about Business Economics by learning the fundamental concept of business economics, responsibilities of business economist, law of demand and competition prevail in the market.
4.	SKILL	Introduction to Airline and Travel & Shipment	CO 1. To enable the students with an understanding of the basic principles, kinds and nature of airlines travel.
<b>SEMESTER II</b>			
1.	CORE	Environment of Business	CO 1. To enable the students understand the business and environment related factors and macro environmental issues by applying the knowledge of macroeconomic policies and their impact on business organization and strategy.
2.	CORE	Management Accounting	CO 1. To familiarize the students on various functions of accounting management and practices.
3.	ALLIED	Money and Banking	CO 1. To enable the students

			understand basic transactions of money and banking system in the modern business context in aviation industry.
4.	SKILL	Fundamentals of Entrepreneurship	CO 1. To enable the students to know about entrepreneurship, Role & Qualities of entrepreneur and challenges of women entrepreneur
<b>SEMESTER III</b>			
1.	CORE	Legal Aspects of Aviation Industry	CO 1. To enable the students understand basic knowledge about legal aspects and regulations in the aviation industry context.
2.	CORE	Financial Management	CO 1. To enlighten the students on various functions of financial management and practices.
3.	CORE	Computer Applications for Aviation	CO 1. To familiarize the students on fundamental concepts of a computer and MS office related package.
4.	CORE	Organizational Behavior	CO 1. To sensitize the students on the behavior of individuals and groups in organizations in terms of the key factors that influence organizational behavior and to analyze organizational
5.	ALLIED	Mathematics for Aviation	CO 1. To familiarize the students with basic methods of analytical geometry, set theory, business calculus, and their basic applications in practice, and enable them to connect the acquired knowledge and -skills with practical problems in economics
6.	SKILL	Salesmanship and Buyer Behavior	CO 1. The aim of this subject is to create awareness on product knowledge, knowledge of prospective buyers and all the market efforts of an enterprise through personal selling.
7.	SKILL	Personality Development	CO 1. To surface the students' personality through learning of personality traits, self

			confidence, self management and transactional analysis.
<b>SEMESTER IV</b>			
1.	CORE	Logistics for Aviation Management	CO 1. To enhance the students' understanding of logistics and facilitate the analysis of logistic modes.
2.	CORE	Marketing Management	CO 1. To enhance the marketing abilities in the students through providing an understanding of the basics concepts of marketing mix.
3.	CORE	Information Management	CO 1. To enable the students understand the basic concepts and technologies used in the field of information systems; develop an understanding of how various information systems work together to accomplish the information objectives of an organization.
4.	CORE	Human Resource Management	CO 1. To highlight the importance of HRM in an organization and to make the effective use of the workforce through proper direction of the organizational factors.
5.	ALLIED	Statistics for Aviation	CO 1. To inculcate in the students' knowledge of Statistics and its application in the field of Business.
6.	SKILL	Interview Skills	CO 1. The aim of this subject is to assist students in developing employability skills and personal qualities related to training and sustaining employment opportunities.
7.	SKILL	Presentation Skills	CO 1. To enable the students improve their interpersonal skills, in communication through effective presentation.
<b>SEMESTER V</b>			
1.	CORE	Operations Management for Aviation	CO 1. To sensitize the students about fundamental concepts of Production and Operation Management concepts and

			familiarize the principles in detail.
2.	CORE	Air Traffic Control	CO 1. To enable the students to gain insight about the various issues related to air traffic and control and how effectively they are used in the overall scheme by aviation management.
3.	CORE	Air Transportation Safety and Security	CO 1. To enlighten the students on various safety and security management and practices in transport industry.
4.	CORE	Airlines Insurance	CO 1. To make the student understand the concept and importance of insurance in aviation industry.
5.	ALLIED	Institutional Training and Report	CO 1. To facilitate the students to understand the basic concept and principles of functional areas of aviation and make use of the tools, techniques and processes.
6.	SKILL	Leadership and Communication Skills	CO 1. To make the students to aware about basic aspects of leadership, functions, goal setting in the business management context and to foster communication skills, reading skills and public speaking skills.
<b>SEMESTER VI</b>			
1.	CORE	Retail Management	CO 1. To provide a basic theoretical framework of the concepts of Retail Management and to enable the students to identify the retailing opportunities.
2.	CORE	Services Marketing for Aviation Industry	CO 1. To facilitate the students to understand the role of marketing mix in the Services Marketing context by providing a comprehensive and integrated coverage of Services Marketing in Indian business context.
3.	CORE	Aircraft Maintenance Management	CO 1. To facilitate among the students an understanding of principles and the importance of aircraft maintenance functions in the aviation scenario.
4.	CORE	Strategic Management for	CO 1. To provide a basic theoretical

		Aviation	framework of the concepts of various strategies adopted by the corporate companies and issues with regard to framing evaluation of strategy and to enable the students to identify the opportunities in business.
5.	ALLIED	Project Report	<p>CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate &amp; state a research problem</p> <p>CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable</p> <p>CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any</p> <p>CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret &amp; analyze it and test the hypotheses wherever applicable</p> <p>CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem</p> <p>CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners</p>
6.	SKILL	Employability Skills	CO 1. To provide and develop basic analytical and communication skills of the students to improve their ability.
<b>M.A. TAMIL</b>			



SEMESTER I			
1.	ghLk	gz;iLa ,yf;fpak	<p>CO 1. jkpo; nkhopapd; njhd i kahd  ,yf;fpag ;fshd rq;f  ,yf;fpag ;fis  khzt;fSf;F mwpKfk  nra;jy;.</p> <p>CO 2. mfKk GwKk; vd;gjhf  mikAk rq ;f ,yf;fpag;fs;  gw;wp khzt;fSf;F  njhp tpj;jy ; rq;f  ,yf;fpag;fspd goik i a  khzt;fSf;F mwpTWj;Jjy;.</p> <p>CO 3. vL;Lj;njhif&gt; gj;Jg;ghLL  E}y;fisj jpwdha;T  Nehf;fpy; fw ;wy;.</p>
2.	ghLk	,yf;fzKk nkhopapaYk - vOj ;J	<p>CO 1. njhy;fhg;gpak jkpon;  ehfhpfj;jpd; gok;ngUk  rpd;dkhFk; jkpopy  Njhd;wpAs;s midj ;J  ,yf;fz&gt; ,yf;fpag ;fspYk  njhy;fhg;gpa ePNuhLLk CZ;L.</p> <p>CO 2. njhy;fhg;gpaj ;ijf fw ;wYk  xt;nthU j i yKiwapdUk  mLj ;j j i yKiwadUf;Ff  fw ;gpj;jYk&gt; xt;nthU jkpo;  khzt dpd fLi kahFk vd;w  Nehf;fk epiwNtWk ti fapy  KJfiy jkpopaypy  njhy;fhg;gpak fw  ;gpf;fg;gLfpwJ.</p> <p>CO 3. jkpo; vOj ;Jf;fisAk  mtw;wpd; jd;ikfisAk  mit nkhopapy; ,Lk;ngWk  KiwfisAk&gt; tuyhw;W  Nehf;fpYk&gt; ,d;iwa nkhopapy  mbg;giLapYk fw ;fr  nra;tNj ,j;jhspd;  Nehf;fkhFk; ,jd; %yk  jkpopd; xypaikg;igg; Ghpe;J  nfhs;syhk;</p>
3.	ghLk	mw ,yf;fpak	<p>CO 1. mw ,yf;fpag ;fis mwpKfg;gLj  jp&gt; rKjha tpOkpag;fisg;  NgZtjw;F topfhL;Ljy;</p> <p>CO 2. mw ,yf;fpag ;fs; fhL;Lk  ePjpf; fUj ;Jfis vLj;Jiuj  ;jy rq;f ,yf;fpa  ahg;gpypUe;J khWgLL ahg;G  tbtj;ij khzt;fSf;F  \$Wjy</p> <p>CO 3. mw ,yf;fpag ;fs; Njhd;wpa</p>

			<b>fhyfLLk</b>
4.	ghLk	xg;gpyf;fpak	CO 1. jkpopy; tsh;r;rpaiLeJ tUk ,yf;fpa Ma;Tg; gphpTfSs; xd;whd xg;gpyf;fpaj;jpid mjd; NfhL;ghL;Lg gpd;dZpfSLd; mwpKfk nra;jy;. CO 2. ,yf;fpak %yk xUikg;ghL;Lzh;tpidj J}z;Ljy; CO 3. ,yf;fpar; RitAzh;itAk nkhopaw ,dk gw ;wpa tphpe;j fz;NzhLLj;ijAk Vw ;gLj;Jjy;. 
5.	tpUg;gg;ghLk	jfty njhLh;gpay;	CO 1. njhLh;gp aiyg; Ghpe;Jnfhs;sy;> njhLh;gpay; tiffis mwpjy;. jfty njhLh;gpay; khjphpfSk NfhL;ghLfSk gw ;wpa tpsf;fk ngwy;. ,e;jpahtpy jfty njhLh;Gr; rhjdq;fspd; tsh;r;n gw;wpAk> jfty njhLh;gpy; mtw;wpd; gq ;F gw;wpAk czh;jy;. 
<b>SEMESTER II</b>			
1.	ghLk	rka ,yf;fpak	CO 1. gf;jp ,yf;fpaj ;jpid mwpKfk nra;tjd; %ykhf jkpo; ,yf;fpa tsh;r;rpapy rkaq ;fs; Mw;wpa njhz;bid mwp ar nra;jy;. CO 2. jkpopy; fhzyhFk rka ,yf;fpaj Njhw;wkaw> tsh;r;rp tif > gad;ghLfis czh;j;Jjy;. CO 3. Njthu fhyk Kjy; rpj ;jh;fspd fhyk, mUL;gpufhr ts;syhh> ,uhkypq;f fhyk ti uapy gf;jp ,yf;fpak tsh;e;J te;Js;s tpjj;ij vLj;Jf; \$wy 
2.	ghLk	,yf;fzKk nkhopapYk - nrhy ;	CO 1. jkpo;r nrhw;fspd; mikg;igAk mtw ;wpd ghFghL iLAK tuyhW Nehf;fpYk ; nkhopapay; mbg;giLapYk fw;W mwp ar nra;jy; ,j ;jhspd; Nehf;fk; ,jd; %yk jkpo;r; nrhw;fspd jd;ik iAak mtw ;wpd nraw;ghL;iLAK GhpeJnfhs;s ,aYk; 
3.	ghLk	,yf;fpaj jpwdha;T	CO 1. cyf mstpy; Ngrg;gLk jpwdha;Tf; NfhL;ghLfis 

			<p>khzth;fspd ftdj;jpw ;F nfhz;L nry;Yjy<sub>r</sub></p> <p>CO 2. jkpo;kugpy; cs;s NfhL;ghLfisAk ,yf;fpaq ;fisAk Gjpa Nehf;fj ;JLd fz;Lwpar; nra;tNjhL&gt; fw;Wf;nfhzL NfhL;ghLfisf nfhz;L Gjpa giLg;igj jpwdha;T nra;Ak jpwd tsh;j;jy<sub>r</sub></p> <p>CO 3. ,yf;fpaq ;fs;&gt; ,yf;fpag; giLg;GKi<sub>w</sub>&gt; ,yf;fpa Ma ;TKiwfs&gt; jpwdha;Tf nfhs;iffs;- Mfpadt<sub>w</sub>;iw mwpjy;.</p>
4.	ghLk	,yf;fpaKk MSik tsh;r;rpAk	<p>CO 1. cyfkakhftUk ,d;iwar #oypy; khzth;fSf;F Cf;fKiLk&gt; JzpTiLk&gt; fhye;jtwhik&gt; KbntLj;jy&gt; nray;gLjy&gt; Neh;ik&gt; xOf;fk Kjyhd MSikg; gz;Gfis ,yf;fpaj ;jpd top fw;gpj;J khzth;fspd MSik tsh;r;rpia Nkk;gLj ;jy ;</p> <p>CO 2. ,yf;fpaj ;jpy; cs;s MSikg; gz;Gfis khzth;fSf;F fz;Lwpar;ϖ nra;jy;.</p>
5.	tpUg;gg;ghLk	ehL;Lg;Gwtpay;	<p>CO 1. ehL;Lg;Gwtpay; tof;fhWfis mwpKfk nra;jy&gt; ehL;Lg;Gw ,yf;fpa ti<sub>ff</sub>is mwpjy;&gt; ehL;Lg;Gwtpay; NfhL;ghLfisf fw;wy;&gt; ehL;Lg;Gw kf;fspd tho;tpay \$Wfis mwptpaNyhL fhZjy<sub>r</sub></p> <p>CO 2. jkpoh;fspd; gz;ghLiL khzth;fSf;F vLj;Jf \$WtNjhL&gt; ehL;Lg;Gwtpaypd; NfhL;ghL;L newpfis khzth;fSf;F njh<sub>tp</sub>jy<sub>r</sub></p> <p>CO 3. ehL;Lg;Gw ,yf;fpaq ;fs;ϖ&gt; fiyfs Mfpat<sub>w</sub>;iw njhFj;J&gt; ghJfhf;f Ntz;ba mtrpaj;ij khzth;fSf;F mwpTWj;jy</p>
SEMESTER III			
1.	ghLk	fhg;gpa ,yf;fpak	<p>CO 1. jkpo;f; fhg;gpaq;fspd Njhw;wKk tsh;r;rpAk Fwpj;Jj; njh<sub>tp</sub>jy;&gt; fhg;gpaq ;fspd ti<sub>ff</sub>&gt; njhif&gt; nghUz;ik&gt; jkpo;f; fhg;gpa</p>

			<p>,ay;G kuG Fwpj;Jj jpwdha;T nra;jy; CO 2. <b>fij</b> khe;jh; gz;G eyid cstpau Nehf;fpy; fhzy;w fhg;gpa fhy kf;fspd tho;tpaiyf fz;Lwpjy ,yf;fpar; RitAzh;jy; CO 3. jkpo;f; fhg;gpaj;ij Guhzj ;jpd; tuyhw;NwhL khzth;fSf;F fw ;Wj w jUjy;.</p>
2.	ghLk	nghUs; 1 mfKk GwKk	<p>CO 1. gz;ilj; jkpo; ,yf;fpa mf Gw kuGfis ,yf;fz E}y ;top mwpar nra;jy; CO 2. ,yf;fpar; rhd;WfSLd; mfw Gw ,yf;fzq;fis vLj;Jf \$Wjy; CO 3. nghUspyf;fzk goejkpohpd; ,aw ;ifNahL xd;wpa tho;f;ifw newpfis vLj;Jf \$Wt;ij njspTgLj;Jjy</p>
3.	ghLk	<b>Ci</b> uahrphah;fSk <b>Ci</b> unewpfSk	<p>CO 1. <b>Ci</b>uapd Njhw;wk tsh;r;rp Fwpj ;J khzth;fSf;F vLj;Jf; \$wy;. CO 2. <b>Ci</b>uahrphah;fspd <b>Ci</b>uj;jpwd;fs;w rpwg;Gfisf; fw ;gpj;jy ;. CO 3. jpwdha;tpd; Kd;Ndhbfsfhf <b>Ci</b>uahrphah;fs; tpsq;fpaikia czh;j;Jjy</p>
4.	ghLk	rpw;wpyf;fpak	<p>CO 1. pw;wpyf;fpaj ;jpd; Njhw;wKk tsh;r;rpAk mwpjy; CO 2. ghLbay; E}y;fspd mbg;giLapy; rpw;wpyf;fz <b>ti</b>fikfis mwpjy CO 3. rpw;wpyf;fpa cj;jpfisAk nfhs;iffisAk mwpjy;&gt; rpw;wpyf;fpar; RitAzh;jy ;. CO 4. jkpo; rpw;wpyf;fpaj;jpd; mikg;igAk cs;SLf;fj;ijAk gw;wp khzth;fSf;F vLj;Jf; \$wy;.</p>
5.	tpUg;gg;ghLk	Ngr;Rf;fiy	<p>CO 1. Nk;LapYk gpw njhLh;G CLfq ;fspYk jaf;fkpd;wpr ruskhfg; Ngrg; gapw ;rp ngwy;. CO 2. nkhopia njspthf cr;rhpf;Fk jpwd tsh;j;jyw</p>
SEMESTER IV			

1.	ghLk	,f;fhy ,yf;fpak	CO 1. et Pd ,yf;fpaq ;fspd mbg;giLfis mwpjy;> ,yf;fpaq ;fspd r%f gad;fis mwpjy; CO 2. ftpij> GjpdK> rpWfij> ehLfK> fL;Liu Mfpa giLg;Gfis gue;JgLL GyikNahL fw ;gpj;jy ; CO 3. ,f;fhy ,yf;fpaj ;jpd; mikg;G
2.	ghLk	nghUs; 11 ahg;Gk; mzpAk	CO 1. njhy;fhg;gpak> ahg;gUq;fyk;> jz;bayq ;fhuk Mfpatw;wpd mbg;giLapy;> ahg;gpyf;fzk> mz ,yf;fzk> nka;g;ghL kugpay; Fwpj;j nra;jpfis mwpTWj;jy ; CO 2. ,yf;fpar; rhd;Wfis mwpar nra;jy;. CO 3. ftpijg giLg;ghw;w iyg ngwr; nra;jy ;.
3.	ghLk	,yf;fpa tuyhW	CO 1. rq;ffhyk njhLq;fp ,f;fhyk ti u tsh;e;Js;s jkpo ,yf;fpa tuyhw;Wg; gFjpfis mwpjy;. CO 2. jkpopy; ,yf;fpa tuyhW vOjg;gL;Ls;s Kiwfis mwpjy;., yf;fpa tuyhw;iwr; rhpahd KiwapYk> Gjpa Nehf;fpYk fw ;gpj;jy;. CO 3. ,yf;fpaj ;jpd; ti ffs;ϑ> giLg;gpyf;fpa NfhL;ghLfis mwpe;J nfhs;s gapw ;rp nfhLj;jy ;.
4.	ghLk	Muha;r;rp mwpKfk	CO 1. Muha;r;rpapd; Nehf;fj ;ij mwpar nra;jy; CO 2. Ma Tg; nghUz;ikia khzth;fSf;F vLj;Jiu;jy; CO 3. Ma ;T Kiwfisf; fw ;gpj;jy;ϑ
5.	ghLk	Ma;Tj;jpL Lf; fL;Liu	CO 1. Ma ;Tf; fLL iuapd j iyg;G Njh;T> Nehf;fk> mZFKiwfs;> gad;ghL> Ma ;TjuTfis j puL;Lk Kiwfs> fsMa;T Nkw;nfhs;Sk Kiwfs; Mfpatw;iw tpsf;Fjy;. CO 2. Ma Tj;jpLLf;fLL iufs; r%f gad;ghLbw;F toptFf;Fk; ti fapyϑ Cf;Ftpj;jy;. 
M.A. ENGLISH			

SEMESTER I			
1.	CORE	British Literature - I	<p>CO 1. Comprehend the significance of Elizabethan literature and the writers belonged and its impact on literary works produced world over.</p> <p>CO 2. Evaluate the significance of the socio-political and historical events which shaped the perspective of the Elizabethan Age</p>
2.	CORE	British Literature - II	<p>CO 1. Explain how socio-historical factors have influenced individual texts and how individual texts are representative of their age</p> <p>CO 2. Identify and explain the formal and literary features of each genre and text, and how they contribute to the complexity of values and emotions represented in the texts</p>
3.	CORE	Shakespeare	<p>CO 1. Identify qualities of Shakespeare's earlier texts and the issues of interpretation and language confronted by readers, actors, and viewers when approaching his writing.</p> <p>CO 2. Examine the development of Shakespeare's art and contribution to literature and culture.</p> <p>CO 3. Analyze texts to determine Shakespeare's purpose, historical and cultural perspective, and use of rhetorical and dramatic strategies in creating a play and /or poem.</p>
4.	CORE	Introduction to Comparative Literature	<p>CO 1. Know how to read closely, critically, and deeply in at least two different languages.</p> <p>CO 2. Be familiar with a broad range of literary texts written in one language, and with a more limited range of texts written in a second language.</p>

			<p>CO 3. Be familiar with the basic periods in the history of one literary tradition, and have at least some preliminary acquaintance with a second.</p> <p>CO 4. Have a critical and aesthetic appreciation of a variety of literary modes, genres and uses of figurative language.</p>
5.	ALLIED	Practical English Grammar	<p>CO 1. Students will heighten their awareness of correct usage of English grammar in writing and speaking</p> <p>CO 2. Students will improve their speaking ability in English both in terms of fluency and comprehensibility</p> <p>CO 3. Students will give oral presentations and receive feedback on their performance</p> <p>CO 4. Students will increase their reading speed and comprehension of academic articles</p>
<b>SEMESTER II</b>			
1.	CORE	British Literature – III	<p>CO 1. Develop a clear understanding of Renaissance Humanism that provides the basis for the texts suggested</p> <p>CO 2. Analyze the various elements of poetry, such as diction, tone, form, genre, imagery, figures of speech, symbolism, theme, etc.</p>
2.	CORE	British Literature - IV	<p>CO 1. To know several Shakespearean sonnets, understand the sonnet form, analyze particular Shakespearean sonnets, and appreciate Shakespeare's contribution to the form.</p> <p>CO 2. Gain insight into the age of Shakespeare and the uniqueness of Shakespearean creative output with regard to both his sonnets and plays</p>
3.	CORE	American Literature	<p>CO 1. Read, analyze, and interpret works by representative</p>

			American writers. Identify various literary techniques, methods, and ideas. Illustrate how literature reflects culture and society.
4.	CORE	Canadian Literature	CO 1. The students will become familiar with central aspects of Canadian culture and society through a study of the country's literature.
5.	ALLIED	Literature and Psychology	CO 1. Being basic treasure of knowledge by learning Vedas students will learn the ancient Indian wisdom encoded in Vedas. CO 2. Students will be enriched with all-encompassing idea of development and fulfillment of quest of knowledge in Indian Knowledge system. CO 3. Students will learn text of Ramayana, get idea of ancient Indian cultural and social enrichment and also understand Socio-cultural growth of that era. CO 4. Students will be enriched by learning Mahabharata having multi-dimensional plot discussing politics, philosophy, dharma, psychology, morality and many other such aspects
<b>SEMESTER III</b>			
1.	CORE	Modern and Post-Modern Literature	CO 1. Evaluates the reflection of postmodern perception of reality in literary works. CO 2. Explains the distinctions between postmodern and modern fiction.
2.	CORE	Indian Writing in English	CO 1. Awareness towards the problems of interpreting Indian Culture via the English Language and acquaintance with the work of significant Indian writers of Poetry, Prose Fiction and Drama.
3.	CORE	New Literatures in English	CO 1. To familiarize them to the colonial as well as postcolonial experience in those writings and



			to accustom with the non European, especially Asian, African, Australian and Latin American writings across genres.
4.	CORE	Translation: Theory and Practice	CO 1. Appraise the roles of translators, authors, clients, and readers in the translation process; CO 2. Select and apply the appropriate translation strategies in a professional context; CO 3. Evaluate the effects of different translation strategies; CO 4. Determine the links between culture and language and the challenges of translatability related to cultural differences; CO 5. Examine ethical issues in the translation process.
5.	ALLIED	English for Competitive Examinations	CO 1. To enable students to prepare for the competitive exams of various kinds especially meant for testing ability in English language. CO 2. To introduce students with the common question types asked in competitive examinations concerning English- grammar, vocabulary, comprehension, and other significant topics. CO 3. To encourage students to appear and prepare for the competitive exams. CO 4. To help the students to overcome the fear about English as a compulsory subject in various competitive exams.
<b>SEMESTER IV</b>			
1.	CORE	Introduction to Literary Criticism	CO 1. Explain the meaning, elements, and characteristics of literature; demonstrate skills in understanding literary piece; examine the techniques of early literary criticisms; and. describe the principles and steps in writing a well-organized literary analysis.
2.	CORE	Journalism and Mass	CO 1. Students will be able to identify

		Communication	<p>news values and comprehend the news process</p> <p>CO 2. Organize a news story according to the hard news structure Write different leads, the body text and ending</p> <p>CO 3. Demonstrate interviewing and newsgathering skills</p> <p>CO 4. Display editing skills including proof reading and headline writing</p>
3.	CORE	Study of English and English Language Teaching	<p>CO 1. Students will develop reading skills and reading speed . Students will read university texts and expand their vocabulary</p>
4.	CORE	Research Methodology	<p>CO 1. Students who complete this course will be able to understand and comprehend the basics in research methodology and applying them in research/ project work.</p> <p>CO 2. This course will help them to select an appropriate research design.</p> <p>CO 3. With the help of this course, students will be able to take up and implement a research project/ study.</p> <p>CO 4. The course will also enable them to collect the data, edit it properly and analyse it accordingly.</p> <p>CO 5. Thus, it will facilitate students' prosperity in higher education.</p> <p>CO 6. The Students will develop skills in qualitative and quantitative data analysis and presentation.</p> <p>CO 7. Students will be able to demonstrate the ability to choose methods appropriate to research objectives.</p>
5.	CORE	Project	<p>CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate&amp; state a</p>

			<p>research problem</p> <p>CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable</p> <p>CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any</p> <p>CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret &amp; analyze it and test the hypotheses wherever applicable</p> <p>CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem</p> <p>CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners</p>
<b>M.COM</b>			
<b>SEMESTER I</b>			
1.	CORE	Financial Markets and Services	<p>CO 1. Enable the students to understand the practical applications of statistical techniques.</p> <p>CO 2. Develop the skills to understand the relationship among different variables.</p> <p>CO 3. Develop the skills to calculate simple and Compound Interest.</p> <p>CO 4. Understanding the relevance of the concept of inflation and cost of living.</p>
2.	CORE	Advanced Financial Accounting	<p>CO 1. To familiarize and develop an understanding of the skills of accounting principles for effective recording of business</p>

			<p>operations of an entity.</p> <p>CO 2. To define the function of accountancy in communicating, reporting and assuring financial information.</p>
3.	CORE	Auditing and Assurance	<p>CO 1. Evaluate the nature, purpose and scope of an audit and the legal, regulatory and ethical framework for auditing</p> <p>CO 2. Distinguish between the respective roles and responsibilities of directors and internal and external auditors</p> <p>CO 3. Demonstrate how the auditor obtains and accepts audit engagements and conducts a detailed investigation into an audit client to identify the risks of material misstatement (whether arising from fraud, error or other irregularities)</p> <p>CO 4. Describe the nature of internal control systems of relevance to the audit, including IT systems</p>
4.	CORE	Applied Cost Accounting	<p>CO 1. To create knowledge in the field of cost accounting.</p> <p>CO 2. To study about the various methods of costing that is used in business.</p>
5.	ALLIED	Banking Technology	<p>CO 1. The learners will become computer literate and will be able to access, create, save and manage documents, spreadsheets, make effective presentations, emails and use the internet effectively.</p> <p>CO 2. They will gain a comprehensive understanding of the E Commerce landscape, current and emerging business models and the technology and infrastructure underpinnings of the business.</p> <p>CO 3. They will be able to develop an understanding on how internet can help in growth of the</p>

			business.
<b>SEMESTER II</b>			
1.	CORE	Marketing Management	CO 1. To outline key marketing concepts and its application to different markets CO 2. To identify factors and processes essential for designing marketing strategy CO 3. To analyze and examine the implementation of marketing concepts and strategy to firms
2.	CORE	Company Law and Corporate Governance	CO 1. To teach Company Law in relation to the necessary legal framework to be adopted in the day to day functions of the company. CO 2. To cover various facets of Company Law such as Meeting of the Board and its Powers, Special Frauds Investigation Office, Compromise, Arrangement and Amalgamations of Companies, Prevention of Oppression of minority shareholders and Mismanagement of the company. CO 3. To understand the process of Winding up of the Companies. CO 4. The Role of the securities market regulator, SEBI in regulating the affairs of listed companies to ensure good corporate governance
3.	CORE	Entrepreneurial Development and Project Financing	CO 1. Understanding basic concepts in the area of entrepreneurship CO 2. Understanding the role and importance of entrepreneurship for economic development CO 3. Understanding the stages of the entrepreneurial process and the resources needed for the successful development of entrepreneurial ventures CO 4. Develop and strengthen the entrepreneurial quality, i.e. motivation or need for

			achievement. CO 5. Analyze environmental set up relating to small industry and small business.
4.	CORE	Financial Management	CO 1. Demonstrate understanding of the goals of the finance manager. CO 2. Identify the basic financial environment and institutions. CO 3. Perform analytical reviews of financial results, proposals, and plans. CO 4. Identify funding sources, instruments, and markets.
5.	ALLIED	Advanced Business Statistics	CO 1. To develop the students ability to deal with numerical and quantitative issues in business CO 2. To enable the use of statistical, graphical and algebraic techniques wherever relevant. CO 3. To have a proper understanding of Statistical applications in Economics and Management.
<b>SEMESTER III</b>			
1.	CORE	Advanced Corporate Accounting and Reporting	CO 1. Construct the financial statements of company within the frame work of Ind AS CO 2. Develop a process for redemption of Preference shares CO 3. Construct the Restructuring of capital structure in the financial statement of Joint stock company ltd. CO 4. Calibrate the procedure involved in Amalgamation of companies
2.	CORE	Security Analysis and Portfolio Management	CO 1. To provide a theoretical and practical background in the field of investments. CO 2. Designing and managing the bond as well as equity portfolios in the real word. CO 3. Valuing equity and debt instruments. CO 4. Measuring the portfolio performances.
3.	CORE	Strategic and Human Resource Management	CO 1. Explain the scope of HRM. CO 2. Understand the meaning and

			<p>nature of strategic HRM.</p> <p>CO 3. Appreciate how HR strategies are related to business strategies.</p> <p>CO 4. Describe how HR strategies can be informed by knowledge of labor markets and product markets locally, nationally and internationally.</p>
4.	CORE	Applied Direct Taxation and E-Filing	<p>CO 1. To enable the students to identify the basic concepts, definitions and terms related to Income Tax.</p> <p>CO 2. Students would identify the technical terms related to Income Tax.</p> <p>CO 3. To enable the students to determine the residential status of an individual and scope of total income.</p>
5.	ALLIED	Insurance and Risk Management	<p>CO 1. Evaluate the growth and Development of Insurance Business.</p> <p>CO 2. Understand the working and functioning of the Insurance Sector.</p> <p>CO 3. Study the inter-relationship between Insurance &amp; Risk Management.</p> <p>CO 4. Analyze the Role of Insurance Business Intermediaries.</p> <p>CO 5. Obtain an overview of Regulatory Framework of Insurance Sector.</p>
<b>SEMESTER IV</b>			
1.	CORE	Research Methodology	<p>CO 1. Students who complete this course will be able to understand and comprehend the basics in research methodology and applying them in research/project work.</p> <p>CO 2. This course will help them to select an appropriate research design.</p> <p>CO 3. With the help of this course, students will be able to take up and implement a research project/ study.</p>

			<p>CO 4. The course will also enable them to collect the data, edit it properly and analyse it accordingly.</p> <p>CO 5. Thus, it will facilitate students' prosperity in higher education. The Students will develop skills in qualitative and quantitative data analysis and presentation.</p> <p>CO 6. Students will be able to demonstrate the ability to choose methods appropriate to research objectives.</p>
2.	CORE	Operations Research / Project	<p>CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate &amp; state a research problem</p> <p>CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable</p> <p>CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any</p> <p>CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret &amp; analyze it and test the hypotheses wherever applicable</p> <p>CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem</p> <p>CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a</p>



			panel of examiners
3.	CORE	Computerised Accounting and Office Automation	CO 1. Understand the basics of computer systems and its components. CO 2. Understand and apply the basic concepts of a word processing package. CO 3. Understand and apply the basic concepts of electronic spreadsheet software. CO 4. Understand and apply the basic concepts of database management system. CO 5. Understand and create a presentation using PowerPoint tool.
4.	CORE	Applied Indirect Taxation	CO 1. To enable students to explain the basic concepts, definitions and terms related to Goods and Service tax (GST). CO 2. Students would explain the various terms related to Goods and Service tax (GST). CO 3. To enable students to distinguish the difference in concept of forward charge mechanism, reverse charge mechanism, composite supply, mixed supply and various exemptions under the new Goods and Service tax regime.
5.	CORE	Advanced Management Accounting	CO 1. Evaluate the effectiveness of alternative management accounting techniques and to apply them to organizational cost management practices; CO 2. Appraise current management accounting techniques and practices in their organizational context;
<b>M.Sc. FORENSIC SCIENCE AND CRIMINOLOGY</b>			
<b>SEMESTER I</b>			
1.	CORE	Forensic Science and Criminology	CO 1. This course provides knowledge to students will learn details about structure of Forensic Laboratories, different types of

			<p>crime in society, and various Acts and their relevant sections.</p> <p>CO 2. Will have knowledge of working and function of Police Organization, CBI, BPRD etc.</p>
2.	CORE	Medical Jurisprudence	<p>CO 1. Introduction to ethics &amp; human rights in medical law ·</p> <p>CO 2. Consent &amp; refusal ·</p> <p>CO 3. Negligence ·</p> <p>CO 4. Confidentiality and genetics ·</p> <p>CO 5. Control of fertility</p>
3.	CORE	Methods of Analysis – Physical, Chemical, Biology	<p>CO 1. Principle and Forensic applications of UV-visible spectroscopy.</p> <p>CO 2. Application of Thin layer chromatography and Gas chromatography.</p> <p>CO 3. Usages of Atomic absorption spectrophotometer.</p>
4.	CORE	Forensic Physics and Ballistics	<p>CO 1. Examine different types of trace evidence based on their properties.</p> <p>CO 2. Describe and identify various parts of firearms.</p> <p>CO 3. Examine and Compare fired and test bullets and cartridge cases.</p> <p>CO 4. Exhibit competency to collect GSR from crime scene and shooter.</p>
5.	CORE	Crime Scene Investigation – Outdoor, Indoor, Conveyance, others- Practical	<p>CO 1. Shall be able to learn about Crime, Crime Scene, various types of Crime Scenes, few basic reasons behind the commission of a crime, the crime scene investigation, Locard's Exchange principle, who are the members of a Crime Scene Team, the seven important stages of a crime scene investigation including Securing of crime scene, Scanning of crime scene, Sketching of the crime scene, Searching of evidence, Documentation of crime scene, Collection &amp; Packaging of evidence, Chain of Custody and</p>

			Reconstruction of Crime Scene.
<b>SEMESTER II</b>			
1.	CORE	Crime and Law	<p>CO 1. Demonstrate an understanding of how historical and contemporary social and legal contexts have shaped the various components of the criminal justice system</p> <p>CO 2. Apply criminological theories to explain deviant behaviors and the criminalization of non-conformity</p> <p>CO 3. Explain the construction of social structures and categories (e.g., race, class, gender) and their influence on laws and law enforcement, including the confluence of resultant criminogenic factors</p> <p>CO 4. Develop strategies to address issues of social change within the context of the criminal justice system</p>
2.	CORE	Forensic Biology and Serology and DNA Profiling	<p>CO 1. Identify and analyse different body fluids found in a crime scene.</p> <p>CO 2. Demonstrate the significance of microbes in forensic sciences, and overview of immunology.</p> <p>CO 3. Gain skills in DNA extraction and understand the significance of DNA Profiling in Forensic Sciences.</p>
3.	CORE	Medicine and Pharmacology	<p>CO 1. Learning this subject content will develop the ideas with the fundamental of analytical chemistry among the pupil.</p> <p>CO 2. It constructs the fundamental methodology to prepare different strength of solutions.</p> <p>CO 3. It facilitate the fellow pupil to predict the sources of mistakes and errors.</p>
4.	CORE	Questioned Document and Fingerprint Examination	<p>CO 1. To learn about core subjects of forensic</p> <p>CO 2. To provide knowledge about personal identification using</p>

			<p>fingerprint</p> <p>CO 3. To provide knowledge about handwriting and its basic concepts that will aid in detection of forgery and determining authorship.</p>
5.	CORE	Questioned Document and Fingerprint Examination – Practical	<p>CO 1. To learn about core subjects of forensic</p> <p>CO 2. To provide knowledge about personal identification using fingerprint</p> <p>CO 3. To provide knowledge about handwriting and its basic concepts that will aid in detection of forgery and determining authorship.</p>
<b>SEMESTER III</b>			
1.	CORE	Forensic Chemistry and Explosive and Forensic Chemistry Ballistics	<p>CO 1. The student will attain basic understanding of concepts relating to organic chemistry</p> <p>CO 2. The student will be able to define solutions and solvents</p> <p>CO 3. The student will be able to describe the concepts relating to inorganic chemistry</p>
2.	CORE	Cyber and Advanced Digital Forensics	<p>CO 1. Conduct digital investigations that conform to accepted professional standards and are based on the investigative process: identification, preservation, examination, analysis, and reporting;</p> <p>CO 2. Cite and adhere to the highest professional and ethical standards of conduct, including impartiality and the protection of personal privacy;</p> <p>CO 3. Identify and document potential security breaches of computer data that suggest violations of legal, ethical, moral, policy, and/or societal standards;</p>
3.	CORE	Forensic Toxicology and Narcotics	<p>CO 1. To understand the significance of toxicological studies in forensic science.</p> <p>CO 2. To know classification of poisons</p>

			<p>and their modes of actions.</p> <p>CO 3. To gain knowledge about absorption of poisons in body fluids.</p> <p>CO 4. To know about the forensic identification of illicit liquors.</p>
4.	CORE	Research Methodology and Statistics	<p>CO 1. Students who complete this course will be able to understand and comprehend the basics in research methodology and applying them in research/ project work.</p> <p>CO 2. This course will help them to select an appropriate research design.</p> <p>CO 3. With the help of this course, students will be able to take up and implement a research project/ study.</p> <p>CO 4. The course will also enable them to collect the data, edit it properly and analyse it accordingly.</p> <p>CO 5. Thus, it will facilitate students' prosperity in higher education.</p> <p>CO 6. The Students will develop skills in qualitative and quantitative data analysis and presentation.</p> <p>CO 7. Students will be able to demonstrate the ability to choose methods appropriate to research objectives.</p>
5.	NME	Forensic Anthropology and Odontology. and Forensic Photography	<p>CO 1. Describe the basic osteological &amp; dental anatomy with Forensic perspective and their relevance in the investigative process.</p> <p>CO 2. Explain various ancient DNA typing methods.</p> <p>CO 3. Apply the methods of craniofacial reconstruction and craniofacial superimposition.</p> <p>CO 4. Examine various types of graves and its forensic analysis.</p> <p>CO 5. Judge the approximate age, race, sex and stature of the deceased from the given combination of</p>

			bones.
6.	ALLIED	Practical: Explosive and Forensic Toxicology. Cyber and Advanced Digital Forensics	CO 1. Acquire the knowledge of type's cyber crimes and scientific procedure of cyber investigation. CO 2. Acquire knowledge to implement programs using advanced C programming language.
SEMESTER IV			
1.	CORE	Internship	CO 1. In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate & state a research problem CO 2. For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable CO 3. For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any CO 4. For a selected research topic, student manager will be able to compile relevant data, interpret & analyze it and test the hypotheses wherever applicable CO 5. Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem CO 6. Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners
2.	CORE	Project Report	
3.	CORE	Viva-Voce	
M.Sc. HOTEL MANAGEMENT AND CATERING SCIENCE			
SEMESTER I			
1.	CORE	Communication and Soft Skills	CO 1. To enable learners to develop their communicative

			<p>competence.</p> <p>CO 2. To facilitate them to have their soft skills.</p> <p>CO 3. To equip them with employability skills to enhance their prospect of placement</p>
2.	CORE	Food Production Management	<p>CO 1. Develop knowledge &amp; interest in basic Indian food production.</p> <p>CO 2. Know different equipment used in cooking.</p>
3.	CORE	Food & Beverage Service	<p>CO 1. Identify and describe the various food and beverage service positions</p> <p>2 describe and demonstrate selling skills required in a food and beverage</p>
4.	ELECTIVE	Accommodation Management	<p>CO 1. To provide basic skill and knowledge required for a house keeping personnel.</p> <p>CO 2. To have a sound knowledge of care and cleaning of various surfaces.</p> <p>CO 3. To understand the organizational hierarchy of housekeeping department.</p> <p>CO 4. To acquire the skills and knowledge on laundry, linen and uniform handling.</p> <p>CO 5. To enable abilities for handling fabrics of different kinds to know the purpose of use</p>
5.	ELECTIVE	Front Office Management	<p>CO 1. To Gain the Basic Knowledge about Hotel Industry</p> <p>CO 2. To Know about the Organization of Hotel as well as the Front Office department</p> <p>CO 3. To know about Front office Organization</p> <p>CO 4. To Impart the Knowledge about Qualities of a front Office Staff</p> <p>CO 5. To understand the ways of communication with guest</p> <p>CO 6. To know about various handling guests &amp; internal situations requiring management tactics/strategies</p>
6.	SKILL	Hygiene & Food Science	<p>CO 1. To understand the changes that</p>

			<p>occur in food composition at various stages of production, preparation, and control these so as to obtain a product, which has the most desirable colour, flavour, texture and taste.</p> <p>CO 2. Knowledge of food composition helps us to use food intelligently to fulfil our nutritional needs.</p> <p>CO 3. It improves the knowledge of laws that protect the quality of food supply as well as the requirement that advertisers make no false claims for their products.</p>
<b>SEMESTER II</b>			
1.	CORE	Bakery & Confectionery	<p>CO 1. To familiarize with bakery and confectionary with regard to bread making methods, cake making methods and remedies.</p> <p>CO 2. To enable them to learn about cookies and cooking temperatures of bakery products.</p>
2.	CORE	Food Production - Practical	CO 1. To gain practical exposure with regard to cooking of different country cuisines and to adopt in practice.
3.	CORE	Food & Beverage Service (Practical)	CO 1. To familiarize and handle various service equipments in the restaurant and to develop skills for the service of food.
4.	ELECTIVE	Hospitality Sales And Marketing	CO 1. To know about the various types of customer needs and to satisfy their needs.
5.	ELECTIVE	Event Management	CO 1. To make the students to gain the basic knowledge about different hotel events and the situation to handle.
6.	SKILL	Management Information System	CO 1. To make the students to understand the Fundamentals of Computer, Operating Systems, Database Management and Internet with relevance to Hotel Industry in a detailed manner.
7.	SKILL	Entrepreneurship Development	CO 1. To possess a well-grounded understanding of essential



			entrepreneurial business principles CO 2. To identify, appreciate, and assess the knowledge, attitudes, and skills of an entrepreneur.
<b>SEMESTER III</b>			
1.	CORE	Industrial Exposure Training Report / Viva-Voce	CO 1. Students of M.Sc Hotel Management and Catering Science have to undergo Industrial Exposure Training at various star category hotels for one semester (90 days) and have to submit a detailed report on training and viva will be conducted for the same.
2.	NME	Basics of Hotel Operations	CO 1. To have a basic knowledge about the Hotel industry and its operations. CO 2. To enable the students to know about the core major areas of a hotel.
<b>SEMESTER IV</b>			
1.	CORE	Food & Beverage Management and Control	CO 1. To understand the regulation of cost and revenue of operating the catering activity in hotels and food and beverage establishments. CO 2. To formalize and update knowledge in order to improve the profitability and productivity of food and beverage service. CO 3. To understand concepts of Menu engineering and Menu Merchandising. CO 4. To formalize and update knowledge in order to improve the profitability and productivity of food and beverage service.
2.	CORE	Facility Planning and Design	CO 1. To formulate the principles of facility management, complete an organization chart of a facility management department, plan space in an office environment, select and apply facility management. CO 2. The student will be able to decide

			<p>on outsourcing, relate facility management functions and users needs.</p> <p>CO 3. To formulate a brief management, plan space, plan maintenance.</p> <p>CO 4. To coherence b/w building life cycle and costs of services and maintenance, implement a post occupancy evaluation</p> <p>CO 5. Understanding of four main markets within the field of catering function, industrial, school and hospital catering.</p>
3.	ELECTIVE	Hotel Law	<p>CO 1. Understand about hospitality law, Principles, Contract, essential elements, Breach of contract.</p> <p>CO 2. To familiar with essential of contract of sale, kinds of goods, condition and warranty, modes delivery, Acceptance of deliver by buyer.</p> <p>CO 3. To understand about partnership, Company law and Industrial law.</p>
4.	ELECTIVE	Financial Management	<p>CO 1. Apply economic analysis for developing management policy.</p> <p>CO 2. Illustrate economic behaviour at the individual, firm and policy levels</p> <p>CO 3. Employ the 'economic way of thinking' for managerial decision making.</p>
5.	ELECTIVE	Research Methodology	<p>CO 1. Students who complete this course will be able to understand and comprehend the basics in research methodology and applying them in research/ project work.</p> <p>CO 2. This course will help them to select an appropriate research design.</p> <p>CO 3. With the help of this course, students will be able to take up and implement a research project/ study.</p> <p>CO 4. The course will also enable them</p>

			<p>to collect the data, edit it properly and analyse it accordingly.</p> <p>CO 5. Thus, it will facilitate students' prosperity in higher education.</p> <p>CO 6. The Students will develop skills in qualitative and quantitative data analysis and presentation.</p> <p>CO 7. Students will be able to demonstrate the ability to choose methods appropriate to research objectives.</p>
6.	SKILL	Cost and Management Accounting	<p>CO 1. Students should be able to determine product costs, formulate budgets and standards for planning and control, understand the role of responsibility accounting and performance measurement, and explain contemporary thinking in management accounting.</p>

**Dr.S.Thabasu Kannan**  
**Principal**

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