BA TAMIL		
Programme Outcome	Programme Specific Outcome	Course Outcome
 Tamil being one of the Ancient Languages in the world requires greater responsibility in the students to have a strong foundation and wider knowledge of the language To provide understanding of Grammar, History of literature, literature (sangam and modern), culture of Tamilnadu, Journalism, Folklore and creating literature of their own To get an updated knowledge of Tamil 	 Shown the direction to live a purposeful life as reflected through literature Trained in computers through Tamil Supported the differently challenged students to be on par with others Developed language and communicative skills. Developed aesthetic sense to appreciate literature and life. 	modern development of the behavioral, moral and ethicalJournalism is the
MA Tamil		
The students of this course complete their degree with the following benefits • Literary Knowledge: The students learn	• PS 01: Devotional Literature enables the students to learn about the various religious faiths and customs. It enhances unity among the students and shapes them to become the good citizens of the world	Creating interest in literature. Opens up job opportunities in translation, transformation and media. Developing language and increasing the critical attitude about literary studies. Imbuing the literary research attitude.

the entire literature of Tamil and apply the same in their day today life

- Competitive Examinations: This course of study gives adequate knowledge and competence to face competitive examinations
- **Profession:** • It produces lot of chances to get job opportunities in the field of teaching, news agencies, media, film agencies, documentation and the personality development. It is a platform to inculcate the importance of human values. sense of social service, responsibility and to carry out duties of a citizen. Critical temper and creative ability also prospers

• PS 02:

Through comparing, Modern and New literatures, the students can learn about the various cultures, worldwide ideas and human values

- PS 03. : The psychological and intellectual characters from this literature enlightens the wisdom of the pupil and provides the chance to increase their own personality with worldwide knowledge
- PS 04:

Enable to become writers, orators and linguists. Appreciate traditional arts and become artists. Equip students to take up competitive examinations. Analyze ancient literature and classics in the light of modern literature through review, rewriting and reconstruction. Attain academic excellence in teaching and research Course I&V– IkkalaIlakkiyamHAT1 A &HAT3A

- Develop a spirit of patriotism .
- Understand the plight of the people living in the society and Biological Struggles.
- Remember the life style of the Sangam people
- Recognize the heroic spirit of the ancient Tamil kings
- Evaluate the quality and morals of local life through Tamil literature
- Introducing the various Literary Genres and dramas and enable them to produce innovative ideas in modern literary theories
- Understanding the world wide modern literary theories and its impact literature and personality development in identifying the values and the principles of different types of personalities
- Prose Writers and their Impact in understanding the various prose writers and their writings
- Course II -Arallakkiyam-HAT1B Disciplinary Literature Introducing the book

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	Pathinen Keel Kanakku to familiarize the significance of human life.
	Course III Sittrilakkiyam HAT1C
	The aim of the course is to enable the students to analyze the work of the author intensively so that the students can have a deep insight into the period in which the work was written, the life styles of the people, historical information such as kings, forts and palaces, description of nature, knowledge of fauna and flora, various forms of love and above all the message of the author as embodied in the work. The study will motivate the students to develop their literary interests, tastes and creative abilities.
	 Course - IV, VIII- Tholkappiyam Eluthadhikaram - HAT1D,HAT2D Understand the Grammar used in Tholkappiyam. Understand and practice the methods of writing without errors. Learn to evaluate the alphabets. Learn to explore the origins of writing. Course VI Bakthi HAT2B Bakthi Literature Introducing the different Religious Bakthi Literature.

	• Course VII Kappiyam
	 HAT2C Analyze the importance of kappiyangal based on family values Evaluate how women are elevated to the stature of Goddesses in understanding how jealousy leads to destruction Learn how to attain God's love through purity. Develop a humanitarian spirit. Course IX & XIII Sangam Literature:HAT3A&HA T4A Concept of Agam and Puram Hero-Heroine of the Poem Description of Nature Emotional Expression of Characters Cultural Customs of the Text Recognize the excellence of ancient literature Understand the growth of Tamil language through ancient literature Learn values for life through ancient
	literature
	Develop a nature and loving attitude
	 Learn about war and its types and the different kings and their
	kingdoms through Ancient literature

	 relationship with other organisms and living a good life Learn the noble attitude of protecting oneself, regardless of one's misery Learn to forgive others and thank others for the timely help. Learn to practice virtue and good culture Explore the richness of the Tamil language Course -X, XIV: Tholkappiyam Porulathikaram - HAT3B, HAT4B Gain knowledge about grammar and its characteristics Learn psychodynamic and psychological Literature Learn about the feminine characteristics through illustrations, images and parables Able to identify Collective nouns, feminine and masculine gender Course - XI, XV -
	Tholkappiyam Sollathikaram - HAT3C, HAT4C • Learn to review the paper, Gender, Number, Location, Case, Question and answer

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	 Learn the names of different images and its discriminations Evaluate the grammar of the verbs, hypothetical usage and its noun types
	 Recall the characteristics of adjectives and the meaning of the erroneous adjectives. Understand and use words, terms and expressions from the Tamil language Course XII Thamizhukku Kaniniyin Payanpadu HAT3D Language and its use in
	 Computer The aim of the course is to enable the students to acquire a basic understanding of the history of computers, important accessories of computers, functions and uses of computers, Tamil language usage in computers, resources in the form of Tamil
	 software-word processors, browsers, search engines, fonts, spell checker, grammar checker etc. This will further enable the students to acquaint themselves with internet, official web-

sites, Tamil libraries, email, e-groups, chatting, e-journals, Tamil music/Radio stations in web, Tamil social web sites, e-commerce etc.

Course E I-Koyilkalaiyum Panbaadum Aatchikalaiyum -HATEA

Learn about the history and culture of Tamil Nadu and contribute to the Tamil art forms. Analyze the traditional norms of the Tamil people. Evaluate the art forms of the Tamil people. Impart spiritual and religious ideas in the learners,. Understand the influence of the culture and lifestyles of foreign culture upon the Tamil people. Learn about the history and culture of Tamilnadu and contribute to Tamil arts. Analyze the traditional norms of the Tamil people. Evaluate the art forms of the Tamil people. Impart spiritual and religious ideas in the learners. Understand the influence of the culture and lifestyles of foreign culture upon the Tamil people.

• Course E II Mozhiyiyal HATEB

Locate the development of language and its functions. Locate/ identify the phonetic scripts. Understand the morphological process. Examine the importance of linguistics. Identify the various speech organs and their articulation. Distinguish the various theories of language. Discuss the various semantic changes and the growth of vocabulary. Create transcription based sentences or passages. **Course E** • **IIISUTRULAAVIYAL** HATEC Study the art of guiding tourists. Learn the rules and regulations of the tourist industry. Understand the role of organizational management. Come to know about the developments in the tourism board. Evaluate the .importance of tourism . **Course E IV Periyariyal** • HATEB The study of Thanthai Periyar, will enable the students to understand the significant contribution made by the author to the society, the impact of his philosophy and writings on the society and the far reaching changes brought out by his path breaking and revolutionary ideas. This will enable the students to critically examine his life and works in a focused manner and to understand the underlying forces that shaped his life and philosophy and such an analysis will be a source of inspiration for the students

• Course E V -Oppilakiyam HATEE

Comparative Literature, comparing one literature with another. Gain an understanding about the various literatures of the world. Develop the skill of translation. Understand and analyze principles, style and narrative techniques of the different authors. Develop the skill in comparing and analyzing World literature, General literature, National Literature etc.. Learn to evaluate the writings of Tamil poets in contrast with authors of other languages.

Course E VI -UDAGAVIYAL HATEG

Develop the skill of writing for communication media. Understand the importance of communication. Teach students how to use the internet. Understand how to bring social change through communication. Gain awareness of social issues. Students will understand mass media as a system of interrelated forces, including historical foundations, technological advances, economic dynamics, regulatory constraints, and ethical concerns. Students will be able to grasp the complex relationship between communication/media

theories and a diverse set of individual, social, and professional practices. Course E VII –
MOZHIPEYARPIYAL- HATEF
Understand the skills required to become a professional translator and what is meant by translation competence.Have an awareness of what it means to be a professional translator. Undertake an independent research activity. Evaluate personal language skills. Undertake a translation activity. Understand the creativity, lifestyle and the culture of other language authors. Develop the skill of creative writing – especially short stories. Learning and analyzing translated novels.
Course - SOFT SKILLS I,II,II,IV- PSSEA,PSSEB,PSSEC,PSSED
Language and Communication, Spoken and Presentation skills, Essentials of spoken and Presentation skills, Computing skills
Resilience – learning to keep going when things don't go according to plan, coping with the unfamiliar, managing disappointment and dealing with conflict. Teamwork – learning to

connect and work with others
to achieve a set task
Leadership – assessing the
requirements of a task,
identifying the strengths
within the team, utilizing the
diverse skills of the group to
achieve the set objective,
awareness of risk/safety
Communication –
demonstrating clear briefing
and listening skills, not being
afraid to ask for help and
support when necessary
Emotional maturity and
emotional health – learning to
handle emotions including
tolerance and behavioral
responses, building positive
friendships and bonding with
peers and classmates,
learning to show
understanding and to
demonstrate respect for the
opinions, personal space and
beliefs of others
Confidence and enthusiasm
for learning – developing self-
motivation, raised aspirations
and belief in one's own
abilities, defining and
committing to achieving one's
goals
Citizenship – raising
awareness of one's place and
role within a community
through volunteering and
conservation opportunities
Responsibility – for one's self,
learning self-reliance and
independence
Employability skills – time
and resource management,
C
conflict resolution, teaching
and mentoring others

		E* -Elective Paper
M.Phil		
 Understand the basic concepts of research and its methodologies of scholarly writing and evaluate its quality Develop and enhance their leadership and teaching abilities for careers demanding writing and communicativ e skills 	 The scholars will be able to have an insight into historical and cultural contexts specific to the latter half of the twentieth century literature nationally and regionally evaluate and interpret key theoretical issues and appreciate aesthetics dimensions of Tamil literature Identify language, themes, narratives, genres and political elements of the literary works. Equip them to communicate with wider range of audience and making connections to 	 Course I: Research Methodology Research Methodology is a hands on course designed to impart education in the foundational methods and techniques of academic research in Tamil Research scholars would examine and be practically exposed to the main components of a research framework i.e., problem definition, research design, data collection, ethical

logically and globally • Recognize and integrate life- long learning skills to become pro- active in personal and professional life	 present-day concerns from literary texts Adapt Blooms Taxonomy in Educational objectives. Optimize counseling and guidance skills both for themselves and society Publish their own individual article in journals through implementing the accumulated knowledge 	 issues in research, report writing, and presentation Once equipped with this knowledge, participants would be well-placed to conduct disciplined research under supervision in an area of their choosing In addition to their application in an academic setting, many of the methodologies discussed in this course would be similar to those deployed in professional research environments Course II- History of Tamil Research To know the value research one should be aware of the history of the research To identify the unique field of research and comparative study
Ph.D Advocate the Ph.D. research scholars with norms of scholarly research that chin into the	 Acquire in-depth knowledge of the process of developing new 	Have a thorough knowledge of the literature and a comprehensive understanding of scientific methods and techniques
that chip into the augmentation of student's personal and professional development	materials as well as gain expertise of well-defined area of research in Tamil • Develop innovative	methods and techniques applicable to their own research; Be able to demonstrate originality in the application of knowledge, together with a practical understanding of how

ta id cc de te kr in pr • Oj cc gu bo th sc ar le	nethodologies to ackle issues dentified and ontributing to the levelopment of echnological mowledge and ntellectual property. Optimize ounseling and uidance skills oth for hemselves and ociety. Develop nd enhance eadership and eaching skills	research and enquiry are used to create and interpret knowledge in their field; Have developed the ability to critically evaluate current research and research techniques and methodologies; Have self- direction and originality in tackling and solving problems; Be able to act autonomously in the planning and implementation of research; Have gained oral presentation and scientific writing skills.
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Programme Outcome	Programme Specific Outcome	Course Outcome
 To provide creative and critical skills to the students to enable them to lead a fulfilling personal and professional life. Enhancement of aural/oral/writing skills through the ingenious usage of literary texts. 	 Educate students in both the literary and functional aspects of English language through literature. Promote lateral thinking in students, a key to quality research. The Modern English Grammar and Usage paper attempts to incorporate basic grammar and sentence variety to improve student's writing skills. It focuses on developing their skills to recognize errors, proof- read and revise their writings. 	 Exposure to diverse cultures across the world through the core papers like world literature, post colonial literature among others which will broaden the students understanding and make them culturally literate. Keeping the changing needs of the society in mind, the green studies paper attempts to sensitize the students on the urgent need to safeguard and preserve the environment for posterity. The paper on translation studies enables the students to incorporate the theoretical and inter-cultural knowledge in the practice of translation. It equips the students with translation skills to render a faithful translation. It enhances the students professional skills to position them on the job market. The background paper intends to familiarize the students with the sociopolitical and cultural contexts to enable a holistic understanding of the specified literary texts The soft skills paper attempts to enhance the students with the sociopolitical and cultural contexts to enable a holistic understanding of the specified literary texts

	crisis-management skills. It aims to inculcate business etiquette to achieve professional success.

BA Economics		
• To enrich the students with basic features of economy, and to development.	• The course enables the students to gain knowledge about the various theories and its application at micro and macro levels.	 Indian Economic Development The course provides knowledge with recent development of the economy and its impact on economic growth.
 To improve the understanding of the subject with various tools of statistical and mathematical tools. To provide knowledge about management policies and theories. To equip with history of Indian economy and economics of tourism. 	 To enrich the students with public policy and recent development in fiscal policy. To integrate the various theories and its application through mathematical analysis. 	 Managerial Economics & Mathematical Economics The course helps to gain knowledge about managerial levels with mathematic which would build the managerial skills.

Program Specific Outcome	Course Outcome
To know the fundamental concepts of atomic structure, periodicity of properties, chemical bonding, solid state and liquid crystals, inorganic and organic qualitative and quantitative analysis	 Inorganic Chemistry (a) To understand the nature of bonding in coordination compounds (b) To appreciate the biological and industrial importance of coordination compounds (c) To understand the chemistry of S,Se,As and Sb compounds. (d) To know the basic principles of metallurgy. (e) To understand chemistry of d-block and f-block elements (f) To understand the chemistry of organometallic compounds and their synthetic uses (g) To know metallic bonding and closed packed arrangement of atoms. (h) To understand the basic concepts of nuclear chemistry.
To equip learners with	Organic Chemistry
of s- Block elements, p- Block elements, To understand the aspects in gaseous state, liquid	(a)To enable leaners to understand the chemistry of organic compounds containing Oxygen and Nitrogen.(b) To familiarize them with heterocyclics and dyes.
	concepts of atomic structure, periodicity of properties, chemical bonding, solid state and liquid crystals, inorganic and organic qualitative and quantitative analysis To equip learners with concepts in comparative study of s- Block elements, p- Block elements, To understand the

chemistry	nanomaterials, chemistry of alkanes,cycloalkanes, alkenes and alkynes and conformational analysis	 (c) To Provide learners with a knowledge of structural aspects of biomolecules. (d) To make them to understand the mechanisms of rearrangement reactions. (e) To familiarise them with the importance of organic spectroscopy.
To provide adequate knowledge for the students to survive in the field of Chemistry	To enable the students to acquire knowledge in the field of industrial Chemistry, polymer chemistry, pharmaceutical chemistry, leather chemistry, Soil and Agricultural chemistry Environmental chemistry	 Physical Chemistry (a) To know the reaction rates and pathways, energy changes involved chemical reactions, photochemical processes in the chemical systems (b) To know the conducting behaviour of ions (c) To understand the theory of electrical conductance (d) To understand the transformation of chemical energy into electrical energy in Galvanic cells (e) To understand the symmetry aspects in chemical systems (f) To know the various thermodynamic terms, first law of thermodynamics, second law of thermodynamics, concepts of entropy, master equations and its applications (g) To understand the energy changes involved in chemical equilibriums To know the third law of thermodynamics

 BSc Advanced Zoology & Biotechnology Students gain knowledge and skill in the fundamental of animals' sciences, the complex interaction among various living organism. Apply the knowledge of internal structure of cell. It functions in control of various metabolic functions of organism. Understanding of environmental conservation process and its importance . Pollution control and biodiversity and protection of endangered species. Developing empathy and love towards the animals. 	 Understand the nature and basic concepts of cell biology genetics, taxonomy, physiology, ecology and applied zoology. Analyze the relationship among animals and plants microbes. Perform procedures as per laboratory standards in the areas of taxonomy physiology, ecology and cell biology. Gains knowledge about research methodologies, effective communication and skills of problem solving methods. Contributes the knowledge for nation building. 	 Cell Biology, Genetics and Evolution Structural and functional aspects of basic unit of life. Mendalian and nonmendalian inheritance. Theories of evolution. Animal Physiology Students are taught the detailed concepts of digestion respiration excretion, the functioning of nerves and muscles. Applied Zoology Understand concepts of Fisheries, Fishing tools and site selection. Aqua culture system induced breeding techniques post harvesting.
Programme Outcome	Programme Specific Outcome	Course Outcome
 To build a strong foundation of knowledge in different areas of commerce To provide understanding of banking, corporate, finance To provide knowledge 	 The programme enables students to acquire knowledge about accounting laws and tax papers like company law, Business law, Income tax, corporate governance To enrich communication, ethical 	 Income tax law & Practice IT To provide a detailed understanding of the various provisions of IT act. To enable the students about the assessment

 about Income tax and human resource sector Get up with updated knowledge of implementing business practices. Equip with professional interpersonal & Entrepreneurial skills 	 values, teamwork, profession &leadership skills. To integrate knowledge and skill, attitude, which will sustain environment of learning & creativity among students, with an assurance for good careers. 	 procedures and tax planning Indirect Taxation To make the students to gain knowledge of the principles of Indirect Taxation To enable the students to gain knowledge of Goods and Services Act Entrepreneurial Development To enable the students to understand the concept of Entrepreneurship and to learn the professional behavior expected of an entrepreneur. To provide conceptual exposure on converting idea to a successful entrepreneurial firm.
 BCOM (A & F) After completing three years for Bachelors in commerce (BCOM) program, students would gain a thorough grounding in the fundamentals of commerce and finance. The commerce and finance. The commerce and finance focused curriculum offers a number of specializations and practical exposures which would equip the student to face the modern day challenges in commerce and business 	 Students will learn relevant financial accounting career skills, applying both quantitative and qualitative knowledge to their future careers in business. Learners can also acquire practical skills to work as tax consultant, audit assistant and other financial supporting services. 	 Financial Accounting To impart the knowledge of various accounting concepts Accounting Standard To install the knowledge about accounting procedures, methods and techniques.

BCOM (CS)		
 To impact knowledge and skills required to contribute to the corporate world. It is 100% placement oriented. This professional course makes students eligible to pursue ACS to become a company secretary. 	 The course enables students to acquire knowledge about accounting and law papers. Students become specialized in areas like company law, secretarial law, general laws, industrial laws, corporate laws and corporate governors. 	 Company Law & Secretarial Practice To enlighten the students knowledge on Company's act and secretarial practices. Corporate Accounting: To teach the basic concepts and real life procedures in company accounts. Financial Accounting To provide Basic knowledge about the accounting principles & procedures Courset Accounting To provide adequate knowledge on Courset accounting practice. Business Management To enable the students to know the intricacies of Business Management.
BSC Mathematics		
• Demonstrate basic manipulative skills in algebra, geometry, and trigonometry and beginnings calculus.	 Think in a critical manner Know when there is a need for information, to be able to identify, locate, evaluate, and 	 Linear Algebra Demonstrate algebraic facility with algebraic topics including linear, quadratic exponential,

 Apply the underlying unifying structures of mathematics (i.e., sets, relations and functions, logical structure) and the relationship among them. Communicate mathematical ideas both orally and in writing. Investigate and solve unfamiliar math problems 	effectively use that information for issue or problem at hand. • Formulate and develop mathematical arguments in logical manner. Acquire good knowledge and understanding in advanced areas of mathematics and statistics, chosen by the student from the given courses.	 logarithmic, and trigonometric functions. Produce and interpret graphs of basic functions of these types. Solve equations and inequalities, both algebraically and graphically. Solving and model applied problems.
 An ability to identify, formulate and develop solutions to computational challenges. An ability to design, implement and evaluate a computational system to meet desired needs within realistic constraints 	 A graduate with a BSc computer science degree will have the ability to, PS01. Demonstrate mastery of computer science in the following core knowledge areas: Data Structures and programming Languages Databases, software engineering and development. Computer Hardware and Architecture PSO 2 Apply problem solving skills and the knowledge of computer science to solve real world problems. 	 Students will be able to complete successfully and be able to program small to mid size programs on their own. Sufficient programming skills will require use of good practice. Preparation for career and or graduate study. Students will be prepared for a career in an information technology oriented business or industry, or for graduate study in computer science or other scientific or technical fields.

BBA		
 To provide adequate knowledge about management concepts to students. To evaluate business problems using analytical abilities and to solve them using ethical practices. To build and demonstrate leadership, teamwork, social skills and communicate effectively. 	 Recognizing the need to adopt business practices relevant to the opportunities and challenges of evolving global environment. Communicating in business context in a clear, concise coherent and professional manner. Identifying, evaluating, analyzing, interpreting and applying information to solve business problems and make right decisions. 	 Financial Accounting: Enables students to combine practical and theoretical knowledge of financial accounting. Develops awareness of emerging trends in financial accounting. Provides decision making skills to students in financial analysis context. Service Marketing Provides theoretical and practical basis for assessing service performance. Develops understanding of the state of the art service management thinking areas of marketing. Research Methodology Develops understanding on various kinds of research, objectives of doing research, research process, research designs and sampling. Enables students to conduct research on local issues to develop alternative solutions. Imparts data analytical skills and meaningful interpretation of data sets to solve business problems.

МСОМ		
	The students should	Managerial Economics
 This program could provide well trained professionals for the Industries, Banking sectors, Insurance companies, Financing companies, Logistics, distribution channel management, Application of IT in Business, Alternate investment etc. The graduates will get hands on experience in various aspects 	 The students should possess the knowledge, skills and attitudes during the end of the M.COM degree course. By virtue of the training and curriculum they can become Managers, accountants, Courset accountants, bank managers auditors, company secretary, teachers, professors, stock agents, 	 The students acquire the knowledge of demand forecasting in sales management, price fixing, market competitors and management business economically. Corporate Accounting The course aims to enlighten the students on the accounting procedures followed by
acquiring skills for Marketing Manager, sales manager, bank manager, Courset	government jobs etc.	Financial Management
accountant, academicians, project management, research analysts, and over all administration abilities of the company		• This course enables the students with knowledge about the capital budgeting, working capital and better financial management techniques.
		Project work and Viva-Voice
		• This gives practical exposure in project work, knowledge which will equip the students in Research work.

MA English		
 To disseminate knowledge of the subject specifically with depth and clarity helping the students to check their potential at various points through assignment and activities. Aids in discerning and discriminating things enlightening and empowering concepts through involvement in all academic traits. 	 Educate students in both the literary and functional aspects of English language through literature. To be familiar with major trends in literature. To learn the art of writing from media. 	 Shakespeare studies, acquire knowledge about Shakespeare plays, themes, techniques and Shakespeare criticism. The paper on women writing discusses the emerging voices of women in the area of literature. Literary criticism and theory paper intends to familiarize critics from Plato and also theories of literature. The paper on translation studies help the students to learn about kinds of translation subtiling and skills involved in translation. Soft skills paper - Life and management skills intends to enhance the students presentation and comprehensive skills, time management and Business etiquettes.
BSc Physics		
The basic knowledge of the discipline of Physics including phenomenology, theories and techniques, concepts and general principles. This should also support the ability to ask physical questions and to obtain solutions to physical questions by use of qualitative and quantitative reasoning and by experimental investigation. The important student attributes including appreciation of the physical	The programme also aims to develop the following abilities: 1. Read, understand and interpret physical information – verbal, mathematical and graphical. 2. Impart skills required to gather information from resources and use them. 3. To give need based education in physics of the highest quality at the undergraduate level. 4. Offer courses to the choice of the students. 5. Perform experiments and interpret the results of observation, including making an	MECHANICS AND PROPERTIES OF MATTER This course would empower the student to acquire engineering skills and practical knowledge, which help the students in their everyday life. The properties of solids especially knowledge of elasticity help the students to identify the materials suitable for the construction of buildings, houses etc. Properties of fluids especially knowledge of visCourseity and surface tension help the students in their daily life and

world and the discipline of	BSc Programme in Physics, an	agriculture. This syllabus will
Physics, curiosity, creativity	assessment of experimental	cater the basic requirements
and reasoned skepticism	uncertainties.	for their higher studies. This
and understanding links of Physics to other disciplines	6 .Provide an intellectually stimulating environment to	course will provide a theoretical basis for doing
and to societal issues	develop skills and enthusiasms of	experiments in related areas.
should gave	students to the best of their	
encouragement. With this in	potential.	SEMESTER II
mind, we aim to provide a	7.Use Information	THERMAL PHYSICS AND
firm foundation in every aspect of Physics and to	Communication Technology to gather knowledge at will.	ACOUSTICS This course is to
explain a broad spectrum of	8. Attract outstanding students	develop a working knowledge
modern trends in physics	from all backgrounds.	of Thermal and Acoustics and
and to develop	Objectives: The syllabi are	to use this knowledge to
experimental,	framed in such a way that it	explore various applications
computational and mathematics skills of	bridges the gap between the plus two and post graduate levels of	related to topics in material science and the physics of
students.	Physics by providing a more	condensed matter.
Students.	complete and logical framework	
	in almost all areas of basic	
	Physics.	Semester III
		OPTICS AND SPECTROSCOPY This course aims to
		provide necessary foundation
		in optics and Spectroscopy
		which prepare the students for
		an intensive study of advanced
		topics at a later stage. Covering the very important and
		fascinating areas of
		interference diffraction and
		polarization with many
		experiments associated with it.
		Semester IV
		ATOMIC PHYSICS
		The course describes
		the basic properties of atoms from non-relativistic to
		relativistic theory and from
		one- and two-electron systems
		to the buildup of the periodic
		system. Additionally it covers
		the theory and properties of simple molecules like H2, H2O
		and CO2. In the course time-

independent and time-
dependent scattering will be
discussed, including a range of
basic processes such as
photoelectric effect, Auger-
effect and tunneling. The
description of interaction
between atoms and the
electromagnetic field, (weak
and strong) is given a
particular attention.