BA '	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-IkkalallakkiyamHAT1 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

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

- understand the 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

- 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 Perivar, 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 selfmotivation, 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, 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 lifelong learning skills to become proactive 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 chip into the augmentation of student's personal and professional development

- Acquire in-depth knowledge of the process of developing new materials as well as gain expertise of well-defined area of research in Tamil
- Develop innovative

Have a thorough knowledge of the literature and a comprehensive understanding of scientific 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

methodologies to tackle issues identified and contributing to the development of technological knowledge and intellectual property.

Optimize
 counseling and
 guidance skills
 both for
 themselves and
 society. Develop
 and enhance
 leadership and
 teaching 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 selfdirection 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.

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. 	 Exposure to diverse cultures across the won through the core paper like world literature, por colonial literature, Indial literature among other which will broaden the students understanding and make them cultural literate. Keeping the changing needs of the society in mind, the green studies paper attempts to sensitize the students of the urgent need to safeguard and preserve the environment for posterity. The paper on translation studies intends to equipate the students with translation skills. The background paper intends to familiarize the students with the socion political and cultural contexts to enable a holistic understanding the specified literary test to enhance the students' presentation comprehension skills. If focuses on improving the students of the stude

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.

BSc Chemistry		
 To provide a fundamental knowledge about the basic concepts of Chemistry. To understand the basic concepts of organic, inorganic and physical chemistry. To provide adequate knowledge for the students to survive in the field of Chemistry. 	 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 To equip learners with concepts in comparative study of s- Block elements, p- Block elements, To understand the aspects in gaseous state, liquid state, colloids and nano materials, chemistry of alkanes, cycloalkanes, alkenes and alkynes and conformational analysis 	(a) To understand the nature of bonding in co-ordination 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 organ metallic compounds and their synthetic uses

- 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
- **(g)** To know metallic bonding and closed packed arrangement of atoms.
- (h) To understand the conducting behavior of metals(i) To understand the basic concepts of nuclear chemistry.

Organic Chemistry

- **(a)**To enable learners to understand the chemistry of organic compounds containing Oxygen and Nitrogen.
- **(b)** To familiarize them with heterocyclic and dyes.
- **(c)** To Provide learners with a knowledge of structural aspects of bimolecular.
- **(d)** To make them to understand the mechanisms of rearrangement reactions.
- **(e)** To familiarize them with the importance of organic spectroscopy.

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 behavior 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
(h) To know the thermodynamics of solutions
(i) To know the thermodynamics of phase changes

BSc Advanced Zoology & Biotechnology • Students gain knowledge	Understand the nature and	Cell Biology, Genetics and
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.	 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. 	 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 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
- 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.

Department of Computer Science

- 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.

courses.

Demonstrate mastery of computer science in the following core knowledge areas:

- i) Data Structures and programming Languages
- ii) Databases, software engineering and development.
- iii) 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.

MCOM

- 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 acquiring skills for Marketing Manager, sales manager, bank manager, Courset accountant, academicians, project management, research analysts, and over all administration abilities of the company

- 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, government jobs etc.

Managerial Economics

 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 the companies.

Financial Management

• 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 subtitling 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 Physics, curiosity, creativity and reasoned skepticism and understanding links of Physics to other disciplines and to societal issues should gave encouragement. With this in mind, we aim to provide a firm foundation in every aspect of Physics and to explain a broad spectrum of modern trends in physics and to develop experimental, computational and mathematics skills of students.

BSc Programme in Physics, an assessment of experimental uncertainties.

6.Provide an intellectually stimulating environment to develop skills and enthusiasms of students to the best of their potential.

7.Use Information
Communication Technology to gather knowledge at will.
8. Attract outstanding students from all backgrounds.
Objectives: The syllabi are framed in such a way that it bridges the gap between the plus two and post graduate levels of

framed in such a way that it bridges the gap between the plus two and post graduate levels of Physics by providing a more complete and logical framework in almost all areas of basic Physics.

agriculture. This syllabus will cater the basic requirements for their higher studies. This course will provide a theoretical basis for doing experiments in related areas.

SEMESTER II THERMAL PHYSICS AND ACOUSTICS

This course is to develop a working knowledge of Thermal and Acoustics and to use this knowledge to explore various applications related to topics in material science and the physics of condensed matter.

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.