

## 2.6.1 Programme Outcomes, Programme Specific Outcomes and Course Outcomes

### Department of English

Programme Outcomes	Programme Specific Outcomes
Student should be proficient in oral communication and writing	Attempt creative writings.
Student should be able to write analytically in a variety of formats including essay, research papers and reflective writing.	Realize the importance of literature in creative aesthetic, mental, moral and intellectual development of individual and maintaining the healthy society.
Student understood the developments in the field of humanities have improves the quality of life and how they have satisfied aspirations, likes and dislikes and how they could modify them.	Developed interest in literature and language.
Student should be able to apply the critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.	Understand major and minor forms of literature.
Student should be able to identify analyse, interpret and describe the critical values, ideas and themes that appear in literary and cultural texts.	Understand the structure and function of grammatical units.
Student should be familiar with number of historical, geographical and cultural contexts.	

## Department of English

<b>Department of English</b>	<b>After successful completion of three year degree program in English student should be able to;</b>
<b>Programme Outcomes</b>	<ul style="list-style-type: none"> <li>• Understood how the developments in the field of Humanities have improves the quality of life and how they have satisfied the aspirations, intensions likes and dislikes and how they could modify them.</li> <li>• Students should be familiar with representative literary and cultural texts within a significant number of historical, geographical, and cultural contexts.</li> <li>• Students should be able to apply critical and theoretical approaches to the reading and analysis of literary and cultural texts in multiple genres.</li> <li>• Students should be able to identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary and cultural texts and understand the way these ideas, values, and themes inform and impact culture and society, both now and in the past.</li> <li>• Students should be able to write analytically in a variety of formats, including essays, research papers, reflective writing, and critical reviews of secondary sources.</li> <li>• Students should be able to ethically gather, understand, evaluate and synthesize information from a variety of written and electronic sources.</li> <li>• Students should be proficient in oral communication and writing.</li> </ul>
<b>Programs Specific Outcome</b>	<ul style="list-style-type: none"> <li>• Realized the importance of literature in creating aesthetic, mental, moral, intellectual development of an individual and maintaining a healthy society.</li> <li>• Understand major and minor forms of literature.</li> <li>• Have developed interest in literature and language.</li> <li>• Understand the structure and function of grammatical units.</li> <li>• Know the use of language at semantic and syntactic levels.</li> <li>• The students could use English effectively in formal and informal situations.</li> <li>• Attempt creative writings.</li> <li>• Know phonological and morphological aspects of English.</li> <li>• Be employable and ready to do jobs in industry, government, schools and offices.</li> <li>• Have enriched confidence to appear for competitive examinations</li> </ul>

## Course Outcomes

### Semester-I (F.Y.B.A. ENGLISH)

After completion of these courses students should be able to;	
Course	Outcomes
<b>Compulsory English</b>	<ol style="list-style-type: none"> <li>1) Students will acquaint with various genres literature prose, short stories and poetry.</li> <li>2) Students will be familiar with various types of written skills.</li> <li>3) Students will acquaint with various language skills.</li> <li>4) Students will get fluent in four basic skills of English Language i.e. Listening, Speaking, Reading &amp; Writing (LSRW).</li> <li>5) Student will practice various modes written skills.</li> </ol>
<b>DSC-Discipline Specific Course 1- ENG-A Reading Literature-Short Stories</b>	<ol style="list-style-type: none"> <li>1) Student will familiar with the basic forms of literature.</li> <li>2) Student will acquaint with the broader genres of literature in general.</li> <li>3) Student will develop understanding of literature, short stories.</li> <li>4) Student will develop reading skill and ability of understanding through literature.</li> </ol>

### Semester-II (F.Y.B.A ENGLISH)

After completion of these courses students should be able to;	
Course	Outcomes
<b>Compulsory English</b>	<ol style="list-style-type: none"> <li>1) Students will acquaint with various genres literature prose, short stories and poetry.</li> <li>2) Students will be familiar with various types of written skills.</li> <li>3) Students will acquaint with various language skills.</li> <li>4) Students will get fluent in four basic skills of English Language i.e. Listening, Speaking, Reading &amp; Writing (LSRW).</li> <li>5) Student will practice various modes written skills.</li> </ol>
<b>DSC-Discipline Specific Course 1- ENG-B Reading Literature-Poems</b>	<ol style="list-style-type: none"> <li>1) Student will familiar with the basic forms of literature.</li> <li>2) Student will acquaint with the broader genres of literature in general.</li> <li>3) Student will develop understanding of literature, poems.</li> <li>4) Student will develop reading skill and ability of understanding through literature.</li> </ol>

### Semester-I & II (F.Y.B.COM ENGLISH)

After completion of these courses students should be able	
Course	Outcomes
<b>ENG 101 – English for Business</b>	<ul style="list-style-type: none"><li>To improve oral and written competency in English of students.</li><li>To develop linguistic competency of Students through various grammatical and vocabulary exercises.</li></ul>

### Semester-I & II (F.Y.B.Sc ENGLISH)

After completion of these courses students should be able to;	
Course	Outcomes
<b>AEC – A English Communication</b>	<ol style="list-style-type: none"><li>To introduce the students with writing and reading skill.</li><li>To acquaint the students with the use of English language through different means.</li><li>To acquaint the students with the creative use of English language</li></ol>

### Semester-III (S.Y.B.A. ENGLISH)

After completion of these courses students should be able to;	
Course	Outcomes
<b>Compulsory English</b>	<ol style="list-style-type: none"><li>The Paper of Compulsory English is specifically framed from the viewpoint of value education which is the basis of quality life.</li><li>Selection of contents in all the courses will help the students to comprehend the worldly wisdom and commercial perception which will ultimately lead them to be successful and enjoy quality life.</li></ol>
<b>DSE-1-A (16<sup>th</sup> Century English Literature)</b>	<ol style="list-style-type: none"><li>To acquaint the students with the major literary trends and tendencies and prominent writers of the 16th and 17th Century English Literature.</li><li>To make the students aware about the literary history, salient features and sociocultural background of the period.</li><li>To help the students to grasp the content and critically appreciate the prescribed texts.</li><li>To inculcate amongst students a liking for the Elizabethan and Post Shakespearean literature.</li></ol>

<b>DSE-2-A- (18<sup>th</sup> Century English Literature)</b>	<ol style="list-style-type: none"> <li>1) Students will acquaint with basic ideas about the 18<sup>th</sup> Century English Literature with special reference to poetry.</li> <li>2) Students will be familiar about the literary history, salient features, socio-political and cultural background of the Romantic age.</li> <li>3) Students will grasp the content and critically appreciate the prescribed poems and novel.</li> <li>4) Students will acquaint with the various literary movements of the 18<sup>th</sup> and English Literature.</li> <li>5) Students will take keen interest in 18<sup>th</sup> Century English Literature.</li> </ol>
<b>DSC-1-C Study of Novel</b>	<ol style="list-style-type: none"> <li>1) Student will be acquainted with novel as genres of literature.</li> <li>2) Students will take interest in reading novel.</li> <li>3) Students will take interest in understanding novel.</li> <li>4) Student will develop their competence to study, understand, analyses and interpret novel.</li> <li>5) Student will acquaint with the key terms useful in the study of novel.</li> <li>6) Student will familiar with different types of novel.</li> </ol>
<b>SEC-1 Eng. For Competitive Examination</b>	<ol style="list-style-type: none"> <li>1) The students will be able to prepare for the competitive exams of various kinds especially meant for testing ability in English language.</li> <li>2) The students will be acquainted with the common question types asked in competitive examinations concerning English- grammar, vocabulary, comprehension, and other significant topics.</li> <li>3) This paper will encourage students to appear and prepare for the competitive exams.</li> <li>4) This will help the students to overcome the fear about English as a compulsory subject in various competitive Examinations.</li> </ol>

### **Semester-IV (S.Y.B.A. ENGLISH)**

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>Compulsory English</b>	<ol style="list-style-type: none"> <li>1) The Paper of Compulsory English is specifically framed from the viewpoint of value education which is the basis of quality life.</li> <li>2) Selection of contents in all the courses will help the students to comprehend the worldly wisdom and Commercial perception which will ultimately lead them to be successful and enjoy quality life.</li> </ol>

<b>DSE-1-B-(17<sup>th</sup> Century English Literature)</b>	<ol style="list-style-type: none"> <li>1) To acquaint the students with the major literary trends and tendencies and prominent writers of the 16th and 17th Century English Literature.</li> <li>2) To make the students aware about the literary history, salient features and sociocultural background of the period.</li> <li>3) To help the students to grasp the content and critically appreciate the prescribed texts.</li> <li>4) To inculcate amongst students a liking for the Elizabethan and Post Shakespearean literature.</li> </ol>
<b>DSE-2-B- (19<sup>th</sup> Century English Literature)</b>	<ol style="list-style-type: none"> <li>1) Students will acquaint with basic ideas about the 19<sup>th</sup> Century English Literature with special reference to poetry.</li> <li>2) Students will be familiar about the literary history, salient features, socio-political and cultural background of the Victorian age.</li> <li>3) Students will grasp the content and critically appreciate the prescribed poems and novel.</li> <li>4) Students will acquaint with the various literary movements of the 19<sup>th</sup> century English Literature.</li> <li>5) Students will take keen interest in 19<sup>th</sup> Century English Literature.</li> </ol>
<b>DSC-1- D Study of Drama</b>	<ol style="list-style-type: none"> <li>1) Student will be acquainted with drama as genres of literature.</li> <li>2) Students will take interest in reading drama.</li> <li>3) Students will take interest in understanding drama.</li> <li>4) Student will develop their competence to study, understand, analyses and interpret drama.</li> <li>5) Student will acquaint with the key terms useful in the study of drama.</li> <li>6) Student will familiar with different types of drama.</li> </ol>
<b>SEC-2 -Eng. For Competitive Examination</b>	<ol style="list-style-type: none"> <li>1) The students will be able to prepare for the competitive exams of various kinds especially meant for testing ability in English language.</li> <li>2) The students will be acquainted with the common question types asked in competitive examinations concerning English- grammar, vocabulary, comprehension, and other significant topics.</li> <li>3) This paper will encourage students to appear and prepare for the competitive exams.</li> <li>4) This will help the students to overcome the fear about English as a compulsory subject in various competitive exams.</li> </ol>

### Semester-V (T.Y.B.A. ENGLISH)

After completion of these courses students should be able to;	
Course	Outcomes
<b>AEC-Developing Communication Skill (Comp. Eng.)</b>	<ol style="list-style-type: none"> <li>1) Students will acquaint with various modes of communication</li> <li>2) Students will be familiar with various types of written communication</li> <li>3) Students will acquaint with various types of oral communication.</li> <li>4) Students will get fluent in four basic skills of English Language i.e. Listening, Speaking, Reading &amp; Writing (LSRW).</li> <li>5) Student will practice various modes of communication.</li> </ol>
<b>DSE-3-ENG-A Twentieth Century English Literature</b>	<ol style="list-style-type: none"> <li>1) The students will be familiar with development of poetry in English.</li> <li>2) The students will be acquainted with features and types of modern poetry, drama and novel.</li> <li>3) The students will be introduced with major poets, novelists and dramatists in modern English literature and contribution of them to English Literature.</li> <li>4) The students will comprehend literary trends, tendencies in British Poetry, Drama and Novel.</li> </ol>
<b>DSE-4-ENG-A The Study of English Language</b>	<ol style="list-style-type: none"> <li>1) To introduce the students to the properties, styles, and varieties of English language.</li> <li>2) To acquaint the students with grammatical forms and functions in English language.</li> <li>3) To enable the students, learn and practice morphological concepts and word formation processes.</li> <li>4) To introduce the students to the basic concepts in semantic, lexis and syntax in English language.</li> </ol>
<b>DSC-1-ENG-E Indian Writing in English</b>	<ol style="list-style-type: none"> <li>1) The students will be familiar with development of English Literature with reference to Poetry and Novel by Indian Writers.</li> <li>2) The students will be acquainted with major writers of Indian English Literature.</li> <li>3) The students will understand the content, techniques and styles of Indian writers in English.</li> <li>4) The students will comprehend trends, movements and features of Indian English writing with reference to Poetry and Novel.</li> </ol>

<b>SEC-3-ENG-English for Practical Purposes</b>	<ol style="list-style-type: none"> <li>1) Students will enable to learn and practice usages in spoken and written English.</li> <li>2) Students will acquaint with various skills in using practical English in real life situation.</li> <li>3) Students will encourage to prepare for attending job interviews, develop presentation skills, learn professional skills in communicative English.</li> <li>4) Student will able to exercise spoken and written English skills for their career development.</li> </ol>
<b>GEC-GE-ENG-A Film and Literature</b>	<ol style="list-style-type: none"> <li>1) To introduce the students the concept of film and its origin and development.</li> <li>2) To make the students able to understand the similarities and differences in film and literature</li> <li>3) To enable the students, explore the process of adaptation and come to an understanding of how film interacts with other cultural forms such as theatre and fiction.</li> <li>4) To help the students analyze and judge film as an adaptation of literary text.</li> <li>5) To develop among the students the ability to comprehend art of cinema making from a literary text.</li> </ol>

### **Semester-VI (T.Y.B.A. ENGLISH)**

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>AEC-Developing Communication Skill (Comp. Eng.)</b>	<ol style="list-style-type: none"> <li>1) Students will acquaint with various modes of communication</li> <li>2) Students will be familiar with various types of written communication</li> <li>3) Students will acquaint with various types of oral communication.</li> <li>4) Students will get fluent in four basic skills of English Language i.e. Listening, Speaking, Reading &amp; Writing (LSRW).</li> <li>5) Student will practice various modes of communication.</li> </ol>
<b>DSE-3-ENG-B Twentieth Century English Literature</b>	<ol style="list-style-type: none"> <li>1) The students will be familiar with development of poetry in English.</li> <li>2) The students will be acquainted with features and types of modern poetry, drama and novel.</li> <li>3) The students will be introduced with major poets, novelists and dramatists in modern English literature and contribution of them to English Literature.</li> <li>4) The students will comprehend literary trends, tendencies in British Poetry, Drama and Novel.</li> </ol>



<b>DSE-4-ENG-B The Study of English Language</b>	<ol style="list-style-type: none"> <li>1) To introduce the students to the properties, styles, and varieties of English language.</li> <li>2) To acquaint the students with grammatical forms and functions in English language.</li> <li>3) To enable the students, learn and practice morphological concepts and word formation processes.</li> <li>4) To introduce the students to the basic concepts in semantic, lexis and syntax in English language.</li> </ol>
<b>DSC-1-ENG-F Indian Writing in English</b>	<ol style="list-style-type: none"> <li>1) The students will be familiar with development of English Literature with reference to Poetry and Novel by Indian Writers.</li> <li>2) The students will be acquainted with major writers of Indian English Literature.</li> <li>3) The students will understand the content, techniques and styles of Indian writers in English.</li> <li>4) The students will comprehend trends, movements and features of Indian English writing with reference to Poetry and Novel.</li> </ol>
<b>SEC-4-ENG-English for Practical Purposes</b>	<ol style="list-style-type: none"> <li>1) Students will enable to learn and practice usages in spoken and written English.</li> <li>2) Students will acquaint with various skills in using practical English in real life situation.</li> <li>3) Students will encourage to prepare for attending job interviews, develop presentation skills, learn professional skills in communicative English.</li> <li>4) Student will able to exercise spoken and written English skills for their career development.</li> </ol>
<b>GEC-GE-ENG-B Film and Literature</b>	<ol style="list-style-type: none"> <li>1) To introduce the students the concept of film and its origin and development.</li> <li>2) To make the students able to understand the similarities and differences in film and literature</li> <li>3) To enable the students, explore the process of adaptation and come to an understanding of how film interacts with other cultural forms such as theatre and fiction.</li> <li>4) To help the students analyze and judge film as an adaptation of literary text.</li> <li>5) To develop among the students the ability to comprehend art of cinema making from a literary text.</li> </ol>

## Department of Economics

<b>Department of Economics</b>	<b>After successful completion of three year degree program in Economics student should be able to;</b>
<b>Programme Outcomes</b>	<ul style="list-style-type: none"> <li>• Students enable to develop academic proficiency in the subfields of Indian Government and Economic Politics, Comparative Government, International Relations, Public finance, Economical Theory.</li> <li>• Students enable to develop and be able to demonstrate skills in conducting as well as presenting research in Economics.</li> <li>• Students enable to analyze Economical policy problems and formulate New policy options.</li> <li>• Students enable to discuss the major theories and concepts of Economical science and its subfields, and also deliver thoughtful and well-articulated presentations of research.</li> <li>• Students enable to understand the philosophy of Indian Economy.</li> <li>• Students enable to appreciate the socio-economic factors which lead to the developing economy.</li> <li>• Students enable to develop and be able to Financial Literacy.</li> </ul>

### F.Y.B.A (Economics)

Course	Outcomes
(G-1 : GENERAL ECONOMICS) - Part – I Paper code Eco G-101(A): Principles of Micro-economics-1	<ul style="list-style-type: none"> <li>• Introduced the students to the basic principles of microeconomic theory.</li> <li>• To introduced the students behaviour of consumer, producer in Economy, Price determination in market and also factor pricing.</li> <li>• How to microeconomic concepts can be applied to analyze real life situations.</li> </ul>

### S.Y.B.A (Economics)

Course	Outcomes
Indian Economy Since 1980- I&II DSC Eco 231 C & DSC Eco 241 D	<ul style="list-style-type: none"><li>• To enable students to have understanding the various issues of Indian Economy.</li><li>• To develop the analysing capability in the context of current Indian Economic Problems.</li><li>• To able the students for appearing the MPSC, UPSC and other competitive Examinations.</li></ul>
CBCS Pattern Advanced Macro Economics-I&II DSE Eco 233 A & DSE Eco 243 B	<ul style="list-style-type: none"><li>• To acquaint the student knowledge of Macroeconomics concept and theories.</li><li>• To acquaint the student knowledge of Macroeconomics problem and policies.</li><li>• To develop the analysing capacity in applying theories to real life situation.</li></ul>
Agricultural Economics –I&II DSE Eco 232 A & DSE Eco 242 B	<ul style="list-style-type: none"><li>• To enable students basic concept of agriculture</li><li>• To introduce Agriculture Theory for various competitive exam</li><li>• To enable students have understand verious dimensions in Agriculture</li></ul>

### T.Y.B.A (Economics)

Course	Outcomes
DSC -1 (E & F) Eco-351 & 361 Indian Economy Since 1980 –III & IV	<ul style="list-style-type: none"><li>• To enable students to have understanding the various issues of Indian Economy.</li><li>• To develop the analysing capability in the context of current Indian Economic Problems.</li><li>• To able the students for appearing the MPSC, UPSC and other competitive Examinations</li></ul>
DSE -3 (A & B ) Eco-352(A) &362(A) Economics of Public Finance –I & II	<ul style="list-style-type: none"><li>• To enable students to have understanding the various issues of Public Finance and Policies.</li><li>• To develop the analyzing capability in the context of Public Finance and Policies.</li><li>• To enable the students for appearing the MPSC, UPSC and other competitive Examinations.</li></ul>

DSE-4(A & B) Eco-353 (A) & 363 (A) Theory of International Trade and Practices – I & II	<ul style="list-style-type: none"> <li>• To enable students to have understanding the various issues of International Trade and Practices.</li> <li>• To develop the analyzing capability in the text context of International Trade and Practices</li> <li>• To able the students for appearing the MPSC, UPSC and other competitive Examinations.</li> </ul>
SEC (3 & 4) Eco-354, Eco-364 Modern Banking & Indian Financial Market	<ul style="list-style-type: none"> <li>• To provide the students basic knowledge of Banking &amp; Financial market.</li> <li>• To provide the information of Indian Banking system.</li> <li>• To updated the students about new changes and technology in Banking.</li> <li>• To know the relevance of banking practices in modern competitive world.</li> </ul>
Generic Elective GE- 2 (A & B) Eco-355 & Eco-365 Indian Economic Environment- I & II	<ul style="list-style-type: none"> <li>• To introduce the students Economics Environment for Business.</li> <li>• To provide the information of Indian Economics Environment.</li> <li>• To update the students about new reform in Indian Economy.</li> <li>• To prepare the students for competitive examination.</li> </ul>

### F.Y.B.COM

Subject Name	Objectives	Outcomes
MICRO ECONOMICS	<ul style="list-style-type: none"><li>• Micro economics theory is to analyse how individual decision-makers, both consumers and producers, behave in a variety of <b>economic</b> environments.</li><li>• The common <b>goal</b> in all of these issues is to identify the incentives of the various participating agents and the trade-offs that they face.</li></ul>	<ul style="list-style-type: none"><li>• Micro economics theory is to analyse how individual decision-makers, both consumers and producers, behave in a variety of <b>economic</b> environments.</li><li>• The common <b>goal</b> in all of these issues is to identify the incentives of the various participating agents and the trade-offs that they face.</li></ul>

### S.Y.B.COM

MACRO ECONOMICS	<ul style="list-style-type: none"><li>• The objective of macroeconomic policies is to maximize the level of national income, providing <b>economic</b> growth to raise the utility and standard of living of participants in the economy.</li></ul>	<ul style="list-style-type: none"><li>• The outcome of macroeconomic policies is to maximize the level of national income, providing <b>economic</b> growth to raise the utility and standard of living of participants in the economy.</li></ul>
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### T.Y.B.COM

Subject Name	Objectives	Outcomes
INDIAN ECONOMIC SCENARIO	<ul style="list-style-type: none"><li>• To acquaint students with new concepts of Economics.</li><li>• To update the students about new changes brought in Indian Economy.</li></ul>	<ul style="list-style-type: none"><li>• To know the relevance Economic practices in modern competitive world.</li><li>• To make students competent to become success in competitive examination.</li></ul>

## Department of Geography

<b>Department of Geography</b>	<b>After successful completion of three year degree program in Geography student should be able to;</b>
<b>Programs Specific Outcome</b>	<ul style="list-style-type: none"> <li>• Geography is interdisciplinary subject having the constant status in all disciplines and Faculties. This subject is learn not only in Science, Commerce and Arts faculties but also in Engineering, IT, Survey of India, Tourist Industries, Military etc. In recent and advanced days traditional courses of geography could not provide the job opportunities to geography Students.</li> <li>• Urban Planner or Community Development: – Geography is a natural tie-in with urban or city planning. City planner’s work on zoning, land use, new developments, from a gas station renovation to the development of whole new sections of urban area. You’ll work with individual property owners, developers and other officials. If you are interested in this area, be sure to take Urban Geography and Urban Planning classes. An internship with a city planning agency is essential experience for this type of work.</li> <li>• Cartographer: – For those with cartography courses backgrounds may enjoy work as a cartographer. The news media, book publishers, atlas publishers, government agencies and others are looking for cartographers to help produce maps. This would likely require relocation.</li> <li>• GIS Specialist: – City Governments, Country Agencies and other Government and Private Agencies or Groups are often in need of experienced GIS professionals. Coursework and internship in GIS are especially important. Computer programming or engineering skills are very helpful in this arena- the more about computers and languages you know, the better off you are.</li> <li>• Climatologist: – Agencies like National Weather Services, News Media, the Weather Forecasting Channels, and other Government Entities occasionally need Climatologist. Admittedly, these Jobs usually go to those with Meteorology Degrees, a Geographer with experience and vast coursework in Meteorology and Climatology would definitely be an asset.</li> <li>• Transportation Management: – Like Urban and City Planning, there are opportunities in local Government but regional transit authorities or shipping, logistics, and</li> </ul>

	<p>transportation companies look kindly to someone with transportation Geography in their background and good computer and analytical skills.</p> <ul style="list-style-type: none"> <li>• Environmental Management: – A plethora of Environmental Assessment, cleanup, and management companies exist throughout the world today. A Geographer brings excellent skills for project management and the development of reports like Environmental impact reports. It's often a wide-open field with tremendous growth opportunities.</li> </ul>
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## Semester-I

Course	Outcomes
<b>Gg. 101:Physical Geography Part-I (Lithosphere)</b>	<ol style="list-style-type: none"> <li>1) To understand components, interactions on the Earth surface and in the interior of the Earth.</li> <li>2) To aware about the changes and degradation of land cover.</li> </ol>

## Semester-II

<b>Gg. 201:Physical Geography Part-Ii (Atmosphere &amp; Hydrosphere)</b>	<ol style="list-style-type: none"> <li>1) To understand components, interactions in the atmosphere &amp; hydrosphere.</li> <li>2) To aware about the climate changes and degradation natural resources.</li> </ol>
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## Semester-III

<b>DSC-C (Gg.231): General Cartography</b>	<ol style="list-style-type: none"> <li>1) To acquaint the knowledge about understanding of Cartographical concepts</li> </ol>
<b>Gg. 232 (DSE 1 A): Geography Of Tourism</b>	<ol style="list-style-type: none"> <li>1) To develop and communicate basic conceptual frame work of Geo Tourism.</li> <li>2) To realize its potentials and against achieved in the Indian context.</li> <li>3) To understand the various Geo tourism.</li> <li>4) To know the role and responsibilities, economic growth of Tourism industry in India.</li> <li>5) To evaluate the role of various organization of tourism.</li> <li>6) To know the importance of the sustainable tourism</li> <li>7) To develop Socio cultural aspects for the Tourism geography.</li> </ol>
<b>Gg. 234 (SEC 1): Regional Planning And Development</b>	<ol style="list-style-type: none"> <li>1) Student will become well aware about the Regional Planning and Development.</li> <li>2) Students will get the knowledge of planning, its limitation</li> <li>3) Students will be able to participate in planning and regional development</li> <li>4) Students will get knowledge about various approaches and models of regional planning and development.</li> <li>5) Students will be aware of the Special area development plans and Agro Ecological Zones of Maharashtra</li> </ol>

<b>Gg. 233 (DSE 2 A): Practical Geography (Scale and Map Projections)</b>	<ol style="list-style-type: none"> <li>1) To give basic information about various tools and techniques used in making maps.</li> <li>2) To understand the concept of scale at the initial stage</li> <li>3) To know how to draw the maps on various scale</li> <li>4) To acquaint the students with basic of Scale, Map Projections and cartographic Techniques</li> <li>5) To enable the students to use Scale Map Projections and cartographic techniques</li> </ol>
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## Semester-IV

<b>DSC-D (Gg. 241): Human Geography</b>	<ol style="list-style-type: none"> <li>1) To acquaint the knowledge about understanding of Human Races in the World.</li> </ol>
<b>Gg. 242 (DSE 1 B): Geography Of India</b>	<ol style="list-style-type: none"> <li>1) To make the students able to understand Geographical Personality of India.</li> <li>2) To study minerals and power resources in the specific regions of India.</li> <li>3) To study the nature of industries and their development in India.</li> <li>4) To aware the students about agricultural and demographic problems and make them able to find.</li> </ol>
<b>Gg. 244 (SEC 2): Remote Sensing And Gps Based Project Report</b>	<ol style="list-style-type: none"> <li>1) To understand the principles of Remote Sensing.</li> <li>2) To acquaint the students with fundamental concepts of Aerial Photography.</li> <li>3) To introduce students with advance techniques for data collection.</li> <li>4) To learn principles and applications of GPS.</li> <li>5) To learn basics of GPS based survey.</li> </ol>
<b>Gg. 243 (DSE 2 B): Practical Geography (Surveying)</b>	<ol style="list-style-type: none"> <li>1) To acquire knowledge of survey language and sense of technique of surveying.</li> <li>2) To know the scale and distance of surveying.</li> <li>3) To know how to draw layout by surveying of region.</li> <li>4) To acquaint the students with basic knowledge and technique of ground survey.</li> <li>5) To acquire the knowledge of survey instruments.</li> <li>6) To provide basic information about mechanism of survey instruments.</li> <li>7) To acquaint the knowledge how to use survey instruments.</li> <li>8) To know the importance of surveying and survey instruments.</li> </ol>



## Semester-V

<b>Gg. 351 (DSC 1E) Environmental Geography</b>	<ol style="list-style-type: none"> <li>1) To create the environmental awareness amongst the students.</li> <li>2) 2. To acquaint the students with fundamental concepts of Environmental Geography.</li> <li>3) 3. To aware the students about the processes and patterns in the natural environment.</li> <li>4) 4. To acquaint the students with potentials of Environmental Geography.</li> <li>5) 5. To aware the students about use of resources with prudence.</li> <li>6) 6. To acquaint the students with different environmental policies.</li> </ol>
<b>Gg. 352 (DSE 3A) Economic Geography</b>	<ol style="list-style-type: none"> <li>1) To acquaint the students with the knowledge of economic realm in the world.</li> <li>2) To highlight the different economic activities.</li> <li>3) To study mineral and power resources in the specific regions of the world.</li> </ol>
<b>Gg. 353 (DSE 4A) Practical in Human Geography and Geo-Statistics.</b>	<ol style="list-style-type: none"> <li>1) To introduce the practical approach of Human Geography.</li> <li>2) To introduce the importance of statistical techniques in Human Geography.</li> <li>3) To introduce some basic research methods to the students.</li> </ol>
<b>Gg. 354(SEC 3) Field Techniques and Introduction to Project Report.</b>	<ol style="list-style-type: none"> <li>1) To introduce the analytical skill of field-work.</li> <li>2) To develop the skill of selection of appropriate technique for field study.</li> <li>3) To enable the student to frame different types of questionnaires to conduct a field study.</li> <li>4) 4) To develop the analytical interpretation and report writing based upon the data collected during a field study.</li> </ol>
<b>Gg. 355 (GE 1A) Disaster Risk Reduction.</b>	<ol style="list-style-type: none"> <li>1) To introduce the concept of disaster risk.</li> <li>2) To prepare DRM Plans and its implementation.</li> <li>3) To aware the students about the Disaster Risk Reduction/Mitigation strategies.</li> </ol>

## Semester-VI

<b>Gg. 361 (DSC 1F) Population Geography.</b>	<ol style="list-style-type: none"> <li>1) Understand the components of population change.</li> <li>2) Develop skills to use population information in the planning process.</li> <li>3) Understand the impact of planning activities on population size, composition, and distribution</li> <li>4) Population is an important resource. The development of any nation is depends on human resource. It is a prime deity to acquaint with the human resource of the nation.</li> <li>5) To understand the recent problems of population in the world as well as nation.</li> </ol>
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<b>Gg.362 (DSE 3B) Political Geography</b>	<ol style="list-style-type: none"> <li>1) To enable students to acquire knowledge of Political Geography.</li> <li>2) To understand basic concepts of Political Geography.</li> <li>3) To study various theories of Political Geography.</li> <li>4) 4) To understand the frontiers and Boundaries.</li> </ol>
<b>Gg. 363 (DSE 4B) Practical in Physical Geography</b>	<ol style="list-style-type: none"> <li>1) To introduce the students with SOI toposheets and to acquire the knowledge of toposheet Reading / interpretation.</li> <li>2) To acquaint the students with IMD weather maps and to gain the knowledge of weather map reading/ interpretation.</li> </ol>
<b>Gg. 364 (SEC 4) Geographical Information System.</b>	<ol style="list-style-type: none"> <li>1) To introduce the fundamentals and components of Geographic Information System .</li> <li>2) To provide details of spatial data structures and input, management and output processes.</li> <li>3) To aware about the application of GIS in various fields.</li> </ol>
<b>Gg. 365 (GE 1B): Sustainability And Development</b>	<ol style="list-style-type: none"> <li>1) It brings to attention the Students about the issues which surround Sustainable Development, including its Principles, Processes and Concepts, its Deciding factors, and Potentials it holds.</li> <li>2) Students will get the information and Importance of the MDGS.</li> <li>3) Students will be aware about National Environmental Policy.</li> </ol>

## Department of History

<b>Department of Electronics</b>	After successful completion of three year degree program in ( <b>B.A. HISTORY</b> ) a student should be able to;
<b>Programme Outcomes</b>	<hr style="border-top: 1px dashed black;"/> <ul style="list-style-type: none"> <li>• Understand basic concept of History.</li> <li>• Understand to the student aware of the application of the various concept in History.</li> <li>• To write study tour report.</li> <li>• Increasing student interest in History subject.</li> <li>• Contemplate the concept of History.</li> <li>• Studying human values among students from various legend in History.</li> <li>• To stimulate patriotism, nationalism and patriotism among the students through the subjects of History.</li> </ul>
<b>Programs Specific Outcome</b>	<ul style="list-style-type: none"> <li>• The syllabus provides chronological sequence of the “units” of the subject matter with proper placement of topic with their linkage for better understanding.</li> <li>• Develop an interest in student to study the history as discipline.</li> <li>• For making learning of history more relevant, meaningful and interesting.</li> <li>• Develop positive attitude and appreciate contribution of freedom fighters towards the independents of India.</li> <li>• The syllabus provides chronological sequence of the “units” of the subject matter with proper placement of topic with their linkage for better understanding.</li> </ul>

**Course Outcomes**  
**Semester-I &II ( F Y B A HISTORY )**

After completion of these courses students should be able to;	
Course	Outcomes
<b>DSC A-1 &amp;2 HIS- History of India (1857-1950)</b>	<ol style="list-style-type: none"> <li>1) To introduce various perspectives of the Indian Freedom Movement.</li> <li>2) To develop the spirit of nationalism among students.</li> <li>3) To bring an awareness among the students as responsible citizen of the country.</li> <li>4) To inculcate Liberty, Equality, and Fraternity among the students.</li> <li>5) To inculcate the rational thinking among the students.</li> </ol>

**Semester-III & IV ( SY BA. HISTORY )**

After completion of these courses students should be able to;	
Course	Outcomes
<b>DSC 231-241 HIS-History of Maratha (AD 1605-AD 1750)</b>	<ol style="list-style-type: none"> <li>1) To create and enhance interest about regional History among the students.</li> <li>2) To acknowledge students how SHIVAJI MAHARAJ created the empire in adverse circumstance.</li> <li>3) To motivate students for the research work of the Maratha History.</li> <li>4) Useful for the preparation of the competitive examination.</li> <li>5) To be able to understand the leadership and its characteristics.</li> </ol>
<b>DSE 232-242 HIS- History of United State of America (AD 1776- AD 1945)</b>	<ol style="list-style-type: none"> <li>1) To understand the importance of America (USA) in the world history.</li> <li>2) To study the foreign policy of America (USA).</li> <li>3) Focus on the Role of America (USA) in world politics.</li> <li>4) To evaluate the progressive era of America (USA) and its important the world.</li> <li>5) To study and the Role of America between two world wars.</li> <li>6) Focus on the Human Rights Movement in America (USA).</li> </ol>
<b>DSE 233-243 HIS- History of Ancient India (BC 3000 - AD 600)</b>	<ol style="list-style-type: none"> <li>1) To acquaint the students with different sources of Ancient Indian History.</li> <li>2) To enable the students to understand the Political, Socio-Economic and Cultural Developments in the Periods under study and appreciate the rich Cultural Heritage in India.</li> <li>3) To Survey the Sources of History of Ancient India.</li> <li>4) The Course intends to Provide and Understanding of the Social, Economic, Religious and Institutional Bases of Ancient India.</li> </ol>

<b>SEC HIS 234</b> <b>Research Methodology in History &amp; SEC HIS 244 An Introduction of Archives in India</b>	1) The paper is designed to provide adequate conceptual base, bring better understanding of history and its forces, help interrogate existing paradigms and challenge the outdated, help in developing critique, help research in terms of formulating hypotheses and develop broad frames of interaction with other social sciences and attain certain level of Interdisciplinary approach
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**Semester-V &VI (TY BA. HISTORY)**

After completion of these courses students should be able to;	
Course	Outcomes
<b>DSC 1 E 351 HIS- History of Modern Europe (AD 1781 – AD 1913)</b> <b>&amp;</b> <b>DSC 1 F 361 HIS- History of Modern Europe (AD 1914 – AD 1945)</b>	1) Understand the concept and meaning of the `History of Modern Europe`. 2) Explain important information of the `History of modern Europe`. 3) To introduce various perspectives of the History of modern Europe. iv. Cover an Important topic of the `History of Modern Europe` 1781 to 1945. 4) To inculcate Liberty, Equality and fraternity among the students.
<b>DSE 1 C HIS 352 History of India (AD 1750 – AD 1857)</b> <b>&amp;</b> <b>DSE 1 D HIS 362 History of India (AD 1750 – AD 1857)</b>	1) To introduce various perspectives of the Modern India 2) To develop the spirit of nationalism among students. 3) To bring an awareness among the students as responsible citizen of the country. 4) To inculcate Liberty, Equality, and Fraternity among the students. 5) To inculcate the rational thinking among the Students.
<b>DSE 2 C HIS 353 History of India (AD 1206 – AD 1526)</b> <b>&amp;</b> <b>DSE 2 D HIS 363 History of India (AD 1526 – AD 1707)</b>	1) Students learn about the various polity and sultanate period's (1206-1526) in India. 2) Students understand and review about the social, Economic and cultural information during the Sultanate period in Medieval India. 3) Students understand and review detail about the agricultural, trade and commerce position of women and religious condition in sultanate Period.

<b>SEC 3 HIS 354 Travel and Tourism in India &amp; SEC 4 HIS 364 An Introduction to Museum in India</b>	<ol style="list-style-type: none"> <li>1) Understand the concept and types of Tourism.</li> <li>2) Acquire adequate knowledge about various aspects in Tourism planning.</li> <li>3) Explain important information of some Historical tourist places.</li> <li>4) Develop career in Tourism industry.</li> </ol>
<b>GE 1 A HIS 355 Making of Contemporary India – 1 &amp; GE 1 B HIS 365 Making of Contemporary India - 2</b>	<ol style="list-style-type: none"> <li>1) This course presents some important vignettes of a complex, highly diverse India that is also witnessing unprecedented changes since its formal independence in 1947 from Great Britain.</li> <li>2) The course revolve around social dimensions of change, political democracy, economic transition from the state to the market, gender relations, India's economic globalization and changing world view. However, it would be helpful if students are aware of the socio-political dynamics at play in contemporary India and keep themselves abreast with current affairs and debates in the country to fully appreciate the various dimensions and contours if the subject matter in the course.</li> </ol>

## Department of Political Science

### Program Outcomes: B.A. Political Science

<b>Department of Political Science</b>	<b>After successful completion of three year degree program in Political Science student should be able to;</b>
<b>Program Outcomes</b>	<ul style="list-style-type: none"> <li>• Students enable to develop and be able to demonstrate skills in conducting as well as presenting research in political science.</li> <li>• Students enable to analyze political and policy problems and formulate policy options.</li> <li>• Students enable to develop academic proficiency in the subfields of Indian Government and Politics, Comparative Government, International Relations, Public Administration, Political Theory and Political Ideology.</li> <li>• Students enable to discuss the major theories and concepts of political science and its subfields and also deliver thoughtful and well-articulated presentations of research.</li> </ul>
<b>Program Specific Outcome</b>	<ul style="list-style-type: none"> <li>• Can Prepare for Competitive exams.</li> <li>• Can admit to MA Politics, LLB and MBA etc.</li> <li>• Work as a teacher in colleges, Jr. Colleges, high schools &amp; schools.</li> <li>• Serve as political party member, political adviser, and well citizen of India.</li> </ul>

### Course Outcomes

#### F.Y.B.A. Political Science

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>

<b>DSC-A-I The Indian Constitution</b>	<ol style="list-style-type: none"> <li>1) Students enable to explain the Constitutional process.</li> <li>2) Students enable to understand the process, concepts and working of Indian constitution.</li> <li>3) Students enable to understand the Making Process, Preamble, Salient features of Indian Constitution.</li> <li>4) Students enable to understand the Constitutional Bodies and Amendment Process.</li> </ol>
<b>DSC-A-II Indian Government</b>	<ol style="list-style-type: none"> <li>1) Students enable to explain the Government of Union and State.</li> <li>2) Students enable to understand Judiciary and Constitutional Commission.</li> <li>3) Students enable to understand the Composition, Powers and Functions, Lawmaking process of Union and State's Legislature.</li> <li>4) Students enable to understand the Comptroller and Auditor General, Lokpal, Lokayukta, Election Commission of India.</li> <li>5) Students enable to understand the Centre-State Relation and Civil Services.</li> </ol>

### **Semester–III**

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>DSC – 1C Introduction to Administration of Maharashtra</b>	<ol style="list-style-type: none"> <li>1) Students enable to understand the Historical, Geographical, Socio-Economical and Political Background of Maharashtra.</li> <li>2) Students enable to understand the Role of State Secretariat (Ministry).</li> <li>3) Students enable to understand the District Administration.</li> <li>4) Students enable to understand the Administration of Maharashtra- Silent Features.</li> </ol>

### **Semester–IV**

After completion of these courses' students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>DSC – 1D Introduction to Local and District Administration of Maharashtra</b>	<ol style="list-style-type: none"> <li>1) Students enable to understand the Rural and Urban Administration in Maharashtra.</li> <li>2) Students enable to understand the Position, Role and Function of District Police Superintendent (SP).</li> <li>3) Students enable to understand the Constitutional and Legal Board of Maharashtra (Structure and Functions).</li> <li>4) Students enable to understand the Minorities Development Board of Maharashtra.</li> </ol>

## Semester–V

After completion of these courses' students should be able to;	
Course	Outcomes
<b>TYBA (DSC-1E) Indian Political Thinker Part-I</b>	<ol style="list-style-type: none"><li>1) Students enable to explain the Dadabhai Naoroji's Thought of Economic, Eco-drain and Moral Exploitation Theory.</li><li>2) Students enable to understand the Lokmanya Tilak's Political Thought, Chatusutri and Views on Social Reform.</li><li>3) Students enable to describe the Role of Indian Freedom Movement.</li><li>4) Students enable to understand the Mahatma Gandhi's Thoughts on Truth, NonViolence, Satyagrah and Trust ship concept etc.</li></ol>

## Semester–VI

After completion of these courses students should be able to;	
Course	Outcomes
<b>TYBA(DSC-1E) Indian Political Thinker Part-II</b>	<ol style="list-style-type: none"><li>1) Students enable to understanding the core of administration and enhance ability to get proper knowledge of rural–Urban administration.</li><li>2) Students enable to understand the Gram Panchayat, Panchayat Samiti and Zilla Parishad in Maharashtra.</li><li>3) Students enable to understand the features of Municipalty, Muncipal Corporation and Other Urban Local Administration.</li><li>4) Students enable to understand Role of Law and Order.</li><li>5) Students enable to describe the Constitutional and Legal Board of Maharashtra (Structure and Functions).</li></ol>

## Department of Physics

After successful completion of three year degree program in ( <b>B.Sc. PHYSICS</b> ) a student should be able to;	
<b>Programme Outcomes</b>	<ol style="list-style-type: none"> <li>1) Demonstrate and think in depth to understand the minor and major concepts in scientific and technological aspects in all disciplines of physics.</li> <li>2) Enrich the knowledge through problem solving and also think methodically to draw a logical conclusion.</li> <li>3) Develop analytical abilities towards real world problems and create an awareness of the impact of Physics on the society.</li> <li>4) Develop awareness to use modern techniques, decent equipment's, and also the scientific knowledge to design, record and analyze the results of Physics experiments.</li> </ol>
<b>Programs Specific Outcome</b>	<ol style="list-style-type: none"> <li>1) To have the knowledge of Physics through theory and practical's as well as knowledge of basic concepts of Physics in depth.</li> <li>2) To solve the problems in real life situations by applying various laws of Physics.</li> <li>3) To understand good laboratory practices and safety which can be useful in higher studies in Physics as well as other than Physics also.</li> <li>4) To develop the research oriented skills to handle the sophisticated instruments /equipment's.</li> </ol>

### Course Outcomes Semester-I (F. Y BSc. PHYSICS)

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>PHY-101: Basic Mechanics</b>	<ol style="list-style-type: none"> <li>1) Apply the linear and angular momentum, conservation laws of energy to solve problems</li> <li>2) Apply the concept of use of knowledge of mechanics to real life problems.</li> <li>3) Understanding of the course will create scientific temperament</li> <li>4) The students would learn about the behavior of physical bodies it provides the basic concepts related to the motion of all the objects around us in our daily life.</li> <li>5) The velocity and acceleration parameter give the knowledge about how the vehicles Move.</li> </ol>
<b>PHY-102: Dynamics and Elasticity</b>	<ol style="list-style-type: none"> <li>1) Study the behavior of rigid body dynamics</li> <li>2) To make the students to understand the dynamics involved in a rigid body.</li> <li>3) Learn how Young's modulus and rigidity modulus are defines and how they are evaluated for different shapes of practical relevance</li> </ol>



**Semester-II ( F. Y B.Sc. PHYSICS )**

After completion of these courses students should be able to;	
Course	Outcomes
<b>PHY-201: Electricity and Electrostatics</b>	<ol style="list-style-type: none"> <li>1) Gain knowledge of Gauss laws and solve the electric field for various geometric objects</li> <li>2) To understand the basic concepts of Electric field and Electric Potential.</li> </ol>
<b>PHY-202: Dielectrics, Magnetism And Electromagnetism</b>	<ol style="list-style-type: none"> <li>1) Enable to understand the concept of magnetic field.</li> <li>2) Understand the faradays laws of electromagnetic induction</li> <li>3) Enable to familiarize with the laws of electromagnetic induction</li> <li>4) Thorough knowledge in the basic concept of electromagnetic induction</li> <li>5) Able to derive the Maxwell's equation in free space and material media</li> </ol>

**Semester-III ( SY BSc. PHYSICS )**

After completion of these courses students should be able to;	
Course	Outcomes
<b>PHY-301: Thermodynamics and Kinetic theory of gases</b>	<ol style="list-style-type: none"> <li>1) Understand the concept of thermodynamics and there laws.</li> <li>2) Understand the Heat Engine and there uses</li> <li>3) Describe the thermodynamic function and there relations</li> <li>4) To study Maxwell Relations and Application.</li> </ol>
<b>PHY-302 (A): Electronics –I</b>	<ol style="list-style-type: none"> <li>1) Understand the basics of diode and working of rectifier circuits and characteristics</li> <li>2) Analyze the characteristics of transistor and transistor biasing circuits</li> <li>3) Understand the basic knowledge of semiconductor physics</li> <li>4) Learn how to construct a transistor amplifier and how its gain varies with frequency</li> <li>5) Understand the fundamentals of codes and number system</li> <li>6) Understand the binary arithmetic , logics and boolean functions</li> </ol>
<b>PHY 304: Skill Enhancement Course</b>	<ol style="list-style-type: none"> <li>1) Know the need of renewable energy resources, historical and latest developments</li> <li>2) Describe the use of solar energy and the various components used in the energy production with respect to applications like - heating, cooling, desalination, power generation, drying, cooking etc.</li> <li>3) Appreciate the need of Wind Energy and the various components used in energy generation and know the classifications.</li> <li>4) Understand the concept of Biomass energy resources</li> </ol>

**Semester-IV (S.Y BSc. PHYSICS)**

After completion of these courses students should be able to;	
Course	Outcomes
<b>PHY 401: Waves, Oscillations and Acoustics</b>	<ol style="list-style-type: none"> <li>1) Apply the concept of use of knowledge of Waves and Sound to real life problems</li> <li>2) Familiarize with general terms in acoustics like intensity, loudness, reverberation etc, and study in detail about production, detection, properties and uses of ultrasonic waves</li> <li>3) Analyze waves and oscillations</li> </ol>
<b>PHY 402: Optics and LASERS</b>	<ol style="list-style-type: none"> <li>1) Understand the natural behaviour of aberration in lens</li> <li>2) Study the theory and experiment of interference using air wedge, Newtons rings etc.</li> <li>3) Study the theory of diffraction by Fresnels and Ffraunhoffer methods</li> <li>4) Study the theories for production of polarization of light</li> <li>5) Explain different Laser used and make a comparison between them.</li> <li>6) Apply the gained basic knowledge of laser and working of different type of lasers</li> </ol>
<b>PHY 404: Electrical Circuits and Network Skills</b>	<ol style="list-style-type: none"> <li>1) After the completion of the course the student will acquire necessary skills/ hands on experience /working knowledge on multimeters, voltmeters, ammeters, electric circuit elements, dc power sources, ac/dc generators, inductors, capacitors, transformers, single phase and three phase motors, interfacing dc/ac motors to control and measure, relays and basics of electrical wiring.</li> <li>2) Study circuits in a systematic manner suitable for analysis and design.</li> <li>3) Analyze the electric circuit using network theorems.</li> </ol>



	<ul style="list-style-type: none"> <li>➤ छात्रों में विभिन्न कवितायों के माध्यम से सामाजिक राष्ट्रीय संवेदना को जागृत करना ।</li> </ul>
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### S. Y. B. A. SEM-III

OBJECTIVES	OUTCOMES
<b>MIL-I HINDI : लेखन कौशल : मीडिया एवं साहित्य (लघुकथा)</b>	
<ul style="list-style-type: none"> <li>➤ छात्रों को रचनात्मक लेखन के सैध्दांतिक से अवगत होंगे।</li> <li>➤ अभिव्यक्ति के विविध क्षेत्रों से परिचित होंगे ।</li> <li>➤ रचनात्मक लेखन के विविध रूपों से छात्रों का परिचय होगा ।</li> <li>➤ हिंदी लघुकथाओं के माध्यम से रचनात्मक लेखन की सर्जन प्रक्रिया का ज्ञान प्राप्त हो जाएगा ।</li> <li>➤ हिंदी लघुकथाओं के माध्यम से मानवीय मूल्यों का संवर्धन एवं संरक्षण करने का ज्ञान प्राप्त हो जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ छात्रों को रचनात्मक लेखन के सैध्दांतिक से अवगत कराना ।</li> <li>➤ अभिव्यक्ति के विविध क्षेत्रों का परिचय करवाना ।</li> <li>➤ रचनात्मक लेखन के विविध रूपों से छात्रों को परिचित कराना ।</li> <li>➤ हिंदी लघुकथाओं के माध्यम से रचनात्मक लेखन की सर्जन प्रक्रिया को दर्शाना ।</li> <li>➤ हिंदी लघुकथाओं के माध्यम से मानवीय मूल्यों का संवर्धन एवं संरक्षण करना ।</li> </ul>
<b>DSC- I (C) G-2 HINDI : कथेत्तर गद्य विधाएँ</b>	
<ul style="list-style-type: none"> <li>➤ कथेत्तर गद्य विधा का विकासात्मक परिचय हो जाएगा ।</li> <li>➤ कथेत्तर गद्य विधा की कालजयी रचनाओं से छात्रों को परिचित हो जाएगा ।</li> <li>➤ कथेत्तर गद्य विधा की रचनाओं के माध्यम से छात्रों में मानवीय मूल्य का संवर्धन करने का ज्ञान प्राप्त हो जाएगा ।</li> <li>➤ पठित साहित्य कृति के माध्यम से छात्र यात्रा साहित्य लेखन की कला को आत्मसात करेंगे ।</li> <li>➤ कथेत्तर गद्य विधा की रचनाओं के माध्यम से छात्रों में सामाजिक संवेदनशीलता अवगत होंगे ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ कथेत्तर गद्य विधा का विकासात्मक परिचय कराना ।</li> <li>➤ कथेत्तर गद्य विधा की कालजयी रचनाओं से छात्रों को परिचित कराना ।</li> <li>➤ कथेत्तर गद्य विधा की रचनाओं के माध्यम से छात्रों में मानवीय मूल्य का संवर्धन कराना ।</li> <li>➤ कथेत्तर गद्य विधा की रचनाओं के माध्यम से छात्रों में सामाजिक संवेदनशीलता को बढ़ावा देना ।</li> </ul>
<b>SEC - I HINDI : भाषिक संप्रेषण</b>	
<ul style="list-style-type: none"> <li>➤ हिंदी भाषा के भाषिक स्वरूप से छात्रों को परिचित होंगे।</li> <li>➤ भाषिक संप्रेषण की सैध्दांतिक से छात्रों को परिचित हो जाएगा ।</li> <li>➤ संप्रेषण के प्रमुख प्रकारों से छात्रों को परिचित परिचित होंगे ।</li> <li>➤ मौखिक संप्रेषण के विविध रूपों से छात्रों को अवगत होंगे।</li> <li>➤ लिखित संप्रेषण के विविध रूपों से छात्रों को अवगत हो जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी भाषा के भाषिक स्वरूप से छात्रों को परिचित कराना ।</li> <li>➤ भाषिक संप्रेषण की सैध्दांतिक से छात्रों को परिचित कराना ।</li> <li>➤ संप्रेषण के प्रमुख प्रकारों से छात्रों को परिचित कराना ।</li> <li>➤ मौखिक संप्रेषण के विविध रूपों से छात्रों को अवगत कराना ।</li> <li>➤ लिखित संप्रेषण के विविध रूपों से छात्रों को अवगत कराना ।</li> </ul>
<b>DSE-I (A) HINDI: काव्यशास्त्र</b>	
<ul style="list-style-type: none"> <li>➤</li> <li>➤ काव्यशास्त्र का सामान्य परिचय प्राप्त हो जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ काव्यशास्त्र का सामान्य परिचय कराना ।</li> </ul>

<ul style="list-style-type: none"> <li>➤ काव्य की विविधों से परिचित हो जायेंगे ।</li> <li>➤ अलंकारों का परिचय होगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ काव्य की विविधों से परिचित कराना ।</li> <li>➤ अलंकारों का परिचय कराना ।</li> </ul>
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### DSE-II (A) HINDI: उपन्यास विधा

<ul style="list-style-type: none"> <li>➤ हिंदी उपन्यास विधा का विकासात्मक परिचय प्राप्त हो जाएगा ।</li> <li>➤ हिंदी के प्रमुख उपन्यासकारों का सामान्य परिचय होगा ।</li> <li>➤ निर्धारित उपन्यास के माध्यम से छात्रों को मानवीय जीवन में समय महत्व, व्यक्ति की विश्वव्यापी स्वाधीनता वृद्धों की समस्या, मूल्य संवर्धन संयुक्त परिवार आदी से अवगत हो जाएगा ।</li> <li>➤ उपन्यास के माध्यम से सामाजिक उत्तरदायित्व के प्रति छात्रों में एहसास जागृत हो जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी उपन्यास विधा का विकासात्मक परिचय कराना ।</li> <li>➤ हिंदी के प्रमुख उपन्यासकारों का सामान्य परिचय देना ।</li> <li>➤ निर्धारित उपन्यास के माध्यम से छात्रों को मानवीय जीवन में समय महत्व, व्यक्ति की विश्वव्यापी स्वाधीनता वृद्धों की समस्या, मूल्य संवर्धन संयुक्त परिवार आदी से अवगत कराना ।</li> <li>➤ उपन्यास के माध्यम से सामाजिक उत्तरदायित्व के प्रति छात्रों में एहसास जगाना ।</li> </ul>
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### S. Y. B. A. SEM-IV

Objectives	Outcomes
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#### MIL-II HINDI : लेखन कौशल : मीडिया एवं साहित्य (गीत-नवगीत)

<ul style="list-style-type: none"> <li>➤ मीडिया लेखन कौशल से छात्रों से अवगत होंगे।</li> <li>➤ मीडिया लेखन कौशल के विविध प्रकारों से छात्रों को अवगत हो जाएगा ।</li> <li>➤ साहित्य लेखन कौशल से छात्रों को परिचित होगा ।</li> <li>➤ हिंदी गीत-नवगीतों के माध्यम से छात्रों में संवेदनशीलता विकसित हो जाएगी ।</li> <li>➤ हिंदी गीत-नवगीतों से छात्रों को परिचित हो जाएंगे ।</li> <li>➤ हिंदी गीत-नवगीतों के माध्यम से लेखन की सर्जन प्रक्रिया का ज्ञान प्राप्त हो जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ मीडिया लेखन कौशल से छात्रों से अवगत कराना ।</li> <li>➤ मीडिया लेखन कौशल के विविध प्रकारों से छात्रों को अवगत कराना ।</li> <li>➤ साहित्य लेखन कौशल से छात्रों को परिचित कराना ।</li> <li>➤ हिंदी गीत-नवगीतों के माध्यम से छात्रों में संवेदनशीलता विकसित कराना ।</li> <li>➤ हिंदी गीत-नवगीतों से छात्रों को परिचित कराना ।</li> <li>➤ हिंदी गीत-नवगीतों के माध्यम से लेखन की सर्जन प्रक्रिया को दर्शाना।</li> </ul>
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#### DSC- I (D) A G-2 HINDI : श्रेष्ठ हिंदी एकांकी

<ul style="list-style-type: none"> <li>➤ एकांकी विधा का विकासात्मक परिचय हो जाएगा ।</li> <li>➤ प्रमुख एकांकीकारों का सामान्य परिचय हो जाएगा ।</li> <li>➤ एकांकीओं के माध्यम से रंगमंचीय प्रभाव का ज्ञान प्राप्त हो जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ एकांकी विधा का विकासात्मक परिचय कराना ।</li> <li>➤ प्रमुख एकांकीकारों का सामान्य परिचय कराना ।</li> <li>➤ एकांकीओं के माध्यम से रंगमंचीय प्रभाव को विशद कराना ।</li> </ul>
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#### SEC - I HINDI : अनुवाद विज्ञान

<ul style="list-style-type: none"> <li>➤ हिंदी भाषा के भाषिक स्वरूप से छात्रों को परि अनुवाद विज्ञान की प्रविधि से छात्रों को अवगत होंगे ।</li> <li>➤ अनुवाद विज्ञान की सैध्दांतिक विवेचना का ज्ञान प्राप्त हो जाएगा ।</li> <li>➤ साहित्यिक अनुवाद, मशीनी अनुवाद से छात्रों को अवगत हो जाएंगे ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ अनुवाद विज्ञान की प्रविधि से छात्रों को अवगत कराना ।</li> <li>➤ अनुवाद विज्ञान की सैध्दांतिक विवेचना कराना ।</li> <li>➤ साहित्यिक अनुवाद, मशीनी अनुवाद से छात्रों को अवगत कराना ।</li> <li>➤</li> </ul>
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<b>DSE-I (A) HINDI: काव्यशास्त्र</b>	
<ul style="list-style-type: none"> <li>➤ काव्यशास्त्र का सामान्य परिचय प्राप्त हो जाएगा ।</li> <li>➤ गद्य की विविधों से परिचित हो जायेंगे ।</li> <li>➤ शब्दशक्तियों का परिचय होगा ।</li> <li>➤ छंद एवं रसों का परिचय प्राप्त हो जाएगा ।</li> <li>➤ आलोचना की क्षमता विकसित हो जाएगी ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ काव्यशास्त्र का सामान्य परिचय कराना ।</li> <li>➤ गद्य की विविधों से परिचित कराना ।</li> <li>➤ शब्दशक्तियों का परिचय कराना ।</li> <li>➤ छंद एवं रसों का परिचय कराना ।</li> <li>➤ आलोचना की क्षमता विकसित कराना ।</li> </ul>
<b>DSE-II (B) HINDI: नाटक विधा</b>	
<ul style="list-style-type: none"> <li>➤ हिंदी नाटक विधा का विकासात्मक परिचय प्राप्त हो जाएगा ।</li> <li>➤ हिंदी नाटक और रंगमंच के परस्पर संबंधों का ज्ञान प्राप्त हो जाएगा ।</li> <li>➤ धरती आबा नाटक के माध्यम से आदिवासी समाज का चित्रण का ज्ञान प्राप्त होगा ।</li> <li>➤ आदिवासी साहित्य और संस्कृति से छात्रों को परिचित हो जाएंगे ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी नाटक विधा का विकासात्मक परिचय कराना।</li> <li>➤ हिंदी नाटक और रंगमंच के परस्पर संबंधों पर प्रकाश डालना ।</li> <li>➤ धरती आबा नाटक के माध्यम से आदिवासी समाज का चित्रण करना ।</li> <li>➤ आदिवासी साहित्य और संस्कृति से छात्रों को परिचित कराना ।</li> </ul>

### T. Y. B. A. SEM-V

OBJECTIVES	OUTCOMES
<b>MIL III HINDI :संपादन लेखन और साहित्य (मुद्रित माध्यम)</b>	
<ul style="list-style-type: none"> <li>➤ छात्र संपादकीय कला से अवगत होंगे ।</li> <li>➤ छात्र संपादक की योग्यता, दायित्व और महत्त्व से परिचित होंगे ।</li> <li>➤ संपादकीय लेखन के तत्व और प्रविधि का ज्ञान प्राप्त होगा।</li> <li>➤ विभिन्न समाचार पत्र और पत्रिकाओं के अल्लेखनीय संपादकीय से छात्रों का परिचय होगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ छात्रों को संपादकीय कला से अवगत कराना ।</li> <li>➤ संपादक की योग्यता, दायित्व और महत्त्व से परिचित करना ।</li> <li>➤ संपादकीय लेखन के तत्व और प्रविधि को दर्शाना.</li> <li>➤ विभिन्न समाचार पत्र और पत्रिकाओं के अल्लेखनीय संपादकीय से परिचित करवाना ।</li> </ul>
<b>DSC – E (A) G-3 HINDI : संपादन विशेष विधा - यात्रा साहित्य</b>	
<ul style="list-style-type: none"> <li>➤ इस पाठ्यक्रम को पढ़ने के उपरांत छात्रों को यात्रा साहित्य विधा का सैध्दांतिक ज्ञान प्राप्त हो जाएगा ।</li> <li>➤ पाठ्यक्रम को पढ़ने के उपरांत यात्रा साहित्य विद्या के विकासात्मक परिचय हो जाएगा ।</li> <li>➤ पठित साहित्य कृति के माध्यम से छात्र यात्रा साहित्य लेखन की कला को आत्मसात करेंगे ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ यात्रा साहित्य विद्या के सैध्दांतिक विवेचन से छात्रों को अवगत कराना ।</li> <li>➤ यात्रा साहित्य विद्या के विकासात्मक परिचय से छात्रों को परिचित कराना ।</li> <li>➤ यात्रा साहित्य विद्या के प्रमुख साहित्यकार तथा उनके यात्रा वर्णन का ज्ञान छात्रों को प्रदान करना।</li> <li>➤ मेरी जापान यात्रा इस साहित्य कृति के माध्यम से छात्रों में यात्रा साहित्य लेखन की कला से परिचित कराना ।</li> </ul>
<b>SEC III E HINDI : हिंदी व्याकरण तथा अभिव्यक्ति कौशल</b>	
<ul style="list-style-type: none"> <li>➤ व्याकरण के कारण हिंदी भाषा के मानक रूप को समझा जाएगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ छात्र को हिंदी भाषा की व्याकरणिक संरचना से अवगत कराना ।</li> <li>➤ छात्र को हिंदी शब्द संसाधन से परिचित कराना.</li> </ul>

<ul style="list-style-type: none"> <li>➤ हिंदी भाषा की संरचनात्मक ढाँचे की समझ छात्रों में आएगी।</li> <li>➤ हिंदी भाषा का शुद्ध-लेखन करने की क्षमता विकसित होगी।</li> <li>➤ पत्रकारिता, प्रकाशन विभाग, पटकथा लेखन आदि व्यावसायिक क्षेत्र में रोजगार के अवसर प्राप्त होंगे।</li> <li>➤ स्पर्धात्मक परीक्षा में (लिखित और मौखिकी) इसकी उपयोगिता सिद्ध होगी।</li> <li>➤ अभिव्यक्ति कौशल की क्षमता विकसित होगी।</li> <li>➤ शब्द-संसाधन के माध्यम से भाषा का शब्द-भंडार बढ़ेगा।</li> </ul>	<ul style="list-style-type: none"> <li>➤ छात्र को संक्षेपन करने की प्रक्रिया से अवगत कराना।</li> <li>➤ छात्र को पल्लवन करने की प्रक्रिया से अवगत कराना।</li> <li>➤ वक्तृत्व कला-कौशल की जानकारी से छात्रों को परिचित कराना।</li> <li>➤ वाद-विवाद कला-कौशल की जानकारी से छात्रों को परिचित कराना।</li> </ul>
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### DSE HINDI III (A) : हिंदी साहित्य का इतिहास (आदिकाल, भक्तिकाल और रीतिकाल)

<ul style="list-style-type: none"> <li>➤ हिंदी साहित्य के काल विभाजन तथा नामकरण से छात्र परिचित हो जायेंगे।</li> <li>➤ आदिकालीन साहित्य की प्रमुख परिस्थितियों, प्रवृत्तियों तथा प्रमुख रचनाकारों की रचनाकाओं का ज्ञान छात्रों को प्राप्त होगा।</li> <li>➤ भक्तिकालीन साहित्य की प्रमुख परिस्थितियों प्रवृत्तियों तथा प्रमुख रचनाकारों की रचनाकारों की रचनाओं से छात्र परिचित होंगे।</li> <li>➤ रीतिकालीन साहित्य की प्रमुख परिस्थितियों प्रवृत्तियों तथा प्रमुख रचनाकारों की रचनाओं का ज्ञान छात्रों को मिलेगा।</li> <li>➤ प्रस्तुत पाठ्यक्रम का अध्ययन छात्रों को नेट-सेट की परीक्षा तथा स्पर्धा परीक्षा की पूर्व तैयारी की दृष्टि से उपयोगी सिद्ध होगा।</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी साहित्य का काल विभाजन तथा नामकरण से छात्रों को अवगत कराना।</li> <li>➤ आदिकालीन साहित्य की प्रमुख परिस्थितियों, प्रवृत्तियों तथा प्रमुख रचनाकारों की रचनाकारों से छात्रों को परिचित कराना।</li> <li>➤ भक्तिकालीन साहित्य की प्रमुख परिस्थितियों प्रवृत्तियों तथा प्रमुख रचनाकारों की रचनाओं से छात्रों को परिचित कराना।</li> <li>➤ रीतिकालीन साहित्य की प्रमुख परिस्थितियों प्रवृत्तियों तथा प्रमुख रचनाकारों की रचनाओं से छात्रों को परिचित कराना।</li> </ul>
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### DSE HINDI IV (A) : हिंदी भाषा का विकास

<ul style="list-style-type: none"> <li>➤ भाषा की परिभाषाओं तथा विशेषताओं से छात्र परिचित होंगे।</li> <li>➤ भाषा के विविध रूपों का ज्ञान छात्रों को प्राप्त हो जाएगा।</li> <li>➤ भाषा की विविध बोलियों से छात्र परिचित होंगे।</li> <li>➤ भाषा के व्युत्पत्ति विषय सिद्धांत से छात्र परिचित होंगे।</li> <li>➤ हिंदी भाषा के विकास में खान्देश योगदान से छात्र परिचित होंगे।</li> <li>➤ भाषा के विकास में विविध संस्थाओं के योगदान से छात्र परिचित होंगे।</li> <li>➤ सेट-नेट की तथा स्पर्धा परीक्षाओं की पूर्व तैयारी हेतु यह पाठ्यक्रम उपयोगी सिद्ध होगा।</li> <li>➤ इस पाठ्यक्रम को पढ़ने के उपरांत छात्र भाषिक ज्ञान से परिपूर्ण बनेंगे।</li> </ul>	<ul style="list-style-type: none"> <li>➤ भाषा की परिभाषाओं तथा विशेषताओं से छात्रों को अवगत कराना।</li> <li>➤ भाषा के विविध रूपों का ज्ञान छात्रों को प्रदान करना।</li> <li>➤ विविध बोलियों के सामान्य परिचय से छात्रों को परिचित कराना।</li> <li>➤ भाषा के व्युत्पत्ति विषय सिद्धांत से छात्रों को परिचित कराना।</li> <li>➤ हिंदी के प्रचार एवं प्रसार में खान्देश के साहित्यकारों के योगदान से छात्रों को अवगत कराना।</li> <li>➤ हिंदी के प्रचार एवं प्रसार में विविध संस्थाओं के योगदान को उजागर करना।</li> </ul>
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### GE-I (A) HINDI: हिंदी की राष्ट्रीय काव्यधारा

<ul style="list-style-type: none"> <li>➤ हिंदी की राष्ट्रीय काव्यधारा से छात्र को परिचित हो जायेंगे।</li> <li>➤ हिंदी की राष्ट्रीय काव्यधारा का विकासात्मक परिचय का ज्ञान छात्रों को प्राप्त होगा।</li> <li>➤ हिंदी की राष्ट्रीय काव्यधारा के प्रमुख कवियों के जीवन एवं रचनाओं से छात्र परिचित होंगे, जिससे उन्हें भी राष्ट्रीय कविता-लेखन की प्रेरणा मिलेगी।</li> <li>➤ पाठ्यक्रम में समावेशित कविताओं के आधार पर छात्रों में राष्ट्र के प्रति अस्मिता, स्वाभिमान तथा गौरव का भाव जागृत हो जाएगा।</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी की राष्ट्रीय काव्यधारा से छात्रों को परिचित कराना।</li> <li>➤ हिंदी की राष्ट्रीय काव्यधारा का विकासात्मक परिचय प्रस्तुत करना।</li> <li>➤ हिंदी की राष्ट्रीय काव्यधारा के प्रमुख कवियों का सामान्य परिचय देना।</li> <li>➤ भारतीय स्वतंत्रता आंदोलन में हिंदी की राष्ट्रीय काव्यधारा के योगदान को उजागर करना।</li> <li>➤ पाठ्यक्रम में समावेशित कविताओं के आधार पर छात्रों में राष्ट्र के प्रति अस्मिता, स्वाभिमान तथा गौरव का भाव जागृत करना।</li> </ul>
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### T. Y. B. A. SEM- VI

Objectives	Outcomes
<b>MIL III HINDI : सिनेमा और साहित्य : (ईलेक्ट्रॉनिक माध्यम)</b>	
<ul style="list-style-type: none"> <li>➤ छात्रों हिंदी सिनेमा के ऐतिहासिकता से अवगत होंगे।</li> <li>➤ छात्रों को हिंदी सिनेमा और भारतीय समाज के संबंध की जानकारी प्राप्त होगी।</li> <li>➤ छात्रों को हिंदी सिनेमा के तकनीकी पक्ष का ज्ञान प्राप्त होगा।</li> <li>➤ मोहनदास साहित्यकृति पर आधारित सिनेमा से छात्रों का परिचय होगा।</li> <li>➤ छात्रों को मोहनदास की कहानी के माध्यम से सामाजिक यथार्थ का परिचय होगा।</li> </ul>	<ul style="list-style-type: none"> <li>➤ छात्रों को हिंदी सिनेमा के इतिहास से अवगत कराना।</li> <li>➤ सिनेमा और भारतीय समाज के संबंध का परिचय देना।</li> <li>➤ हिंदी सिनेमा के तकनीकी पक्ष से परिचित कराना।</li> <li>➤ साहित्यकृति पर आधारित सिनेमा से परिचित करवाना।</li> <li>➤ मोहनदास की कहानी के माध्यम से सामाजिक यथार्थ को दर्शाना।</li> </ul>
<b>DSC – F (A) G-3 HINDI : विशेष विधा : भारतीय संत काव्य</b>	
<ul style="list-style-type: none"> <li>➤ भारतीय संत काव्य से छात्र परिचित होंगे।</li> <li>➤ भारत के विभिन्न राज्यों की संस्कृति, परिवेश तथा परंपराओं का ज्ञान छात्रों को प्राप्त होगा।</li> <li>➤ भारत वर्ष के विभिन्न राज्यों के संतों का जीवन परिचय, रचना परिचय तथा संतों द्वारा किए गए सामाजिक कार्य का ज्ञान छात्रों को प्राप्त होगा।</li> <li>➤ पाठ्यग्रंथ में संकलित संतों तथा संत कवयित्रियों के पद पढ़कर छात्रों के मन में मूल्य संवर्धन तथा संरक्षण की प्रेरणा जगेगी।</li> <li>➤ संतों द्वारा किए गए सामाजिक कार्य तथा लिखे गए पदों से छात्र प्रेरित एवं प्रोत्साहित होंगे।</li> </ul>	<ul style="list-style-type: none"> <li>➤ भारतीय संत काव्य का परिचय कराना।</li> <li>➤ भारतीय संत काव्य परंपरा का विकासात्मक परिचय करवाना।</li> <li>➤ भारतीय संतों के काव्य का अध्ययन कराना।</li> <li>➤ भारतीय संत काव्य की विशेषताओं तथा उपलब्धियों का परिचय देना।</li> </ul>
<b>SEC IV E HINDI : हिंदी भाषा का मानकीकरण और अशुद्धि-शोधन</b>	
<ul style="list-style-type: none"> <li>➤ प्रस्तुत पाठ्यक्रम से छात्रों को हिंदी का मानक रूप सीखने को मिलेगा, जिससे छात्र हिंदी लेखन और उच्चारण शुद्ध रूप में कर सकेंगे।</li> <li>➤ यु. पी. एस. सी. परीक्षा में वैकल्पिक साहित्य विषय हिंदी के पाठ्यक्रम में हिंदी भाषा और नागरी लिपि का इतिहास एक स्वतंत्र खंड क समाविष्ट है. अतः प्रस्तुत पेपर के</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी भाषा के मानक रूप से परिचय कराना।</li> <li>➤ देवनागरी लिपि तथा हिंदी वर्तनी संबंधी नियमावली की जानकारी देना।</li> <li>➤ शासकीय पत्र प्रारूप-लेखन की क्षमता विकसित करना।</li> <li>➤ साक्षात्कार प्रणाली की क्षमता को विकसित करना।</li> </ul>



<p>अध्ययन करने से छात्रों को UPSC परीक्षा की दृष्टि से तैयारी करने में मददगार साबित होगा ।</p> <ul style="list-style-type: none"> <li>➤ शुद्ध-लेखन की क्षमता को विकसित होने से छात्रों को-पत्रकारिता, प्रकाशन विभाग, साहित्य-लेखन आदि क्षेत्रों में रोजगार के अवसर प्राप्ति में आसानी होगी ।</li> <li>➤ शासकीय पत्राचार के विभिन्न प्रारूप-लेखन की तैयारी प्रस्तुत पाठ्यक्रम को पढ़कर हो सकेगी ।</li> <li>➤ दूरदर्शन, रेडियो, समाचार-पत्र, पत्रिका आदि क्षेत्रों में साक्षात्कार का अत्यंत महत्त्व है. अतः साक्षात्कार प्रणाली को छात्र अवगत कर लेता है तो उसे इन क्षेत्रों में रोजगार के अवसर प्राप्त होंगे ।</li> <li>➤ प्रस्तुत पाठ्यक्रम का अध्ययन करने से छात्रों के व्यक्तित्व का विकास होगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ शुद्ध-लेखन की क्षमता को विकसित करना ।</li> </ul>
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### **DSE HINDI III (B) : हिंदी साहित्य का इतिहास (आधुनिक काल)**

<ul style="list-style-type: none"> <li>➤ भारतेन्दुकालीन काव्य की प्रमुख विशेषताओं का छात्रों को ज्ञान प्राप्त होगा ।</li> <li>➤ द्विवेदीकालीन काव्य की प्रमुख विशेषताओं का छात्रों को ज्ञान प्राप्त होगा ।</li> <li>➤ साहित्यिकवादों का छात्रों को परिचय प्राप्त होगा.</li> <li>➤ आधुनिक गद्यकारों के साहित्यिक योगदान से छात्रों का परिचय होगा ।</li> <li>➤ आधुनिक काल की पद्य एवं गद्य कृतियों से छात्र परिचित होंगे ।</li> <li>➤ प्रस्तुत पाठ्यक्रम का अध्ययन छात्रों को नेट/सेट की परीक्षा तथा प्रतियोगिता परीक्षाओं की पूर्व तैयारी की दृष्टि से उपयोगी सिद्ध होगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ हिंदी साहित्य इतिहास के आधुनिक काल के साहित्य से छात्रों को परिचित कराना ।</li> <li>➤ हिंदी साहित्य के आधुनिक काल के साहित्य की प्रमुख प्रवृत्तियों तथा रचनाकारों से छात्रों को अवगत कराना ।</li> <li>➤ हिंदी साहित्य इतिहास के आधुनिक काल के पद्य और गद्य साहित्य तथा प्रमुख साहित्यकारों का ज्ञान छात्रों को प्रदान करना ।</li> <li>➤ आधुनिक काल के साहित्य की प्रमुख उल्लेखनीय कृतियों का छात्रों को परिचय देना ।</li> </ul>
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### **DSE HINDI IV (B) : भाषा विज्ञान**

<ul style="list-style-type: none"> <li>➤ भाषा विज्ञान की परिभाषाएँ तथा भाषा विज्ञान के विविध अंगों से छात्र को परिचित होंगे ।</li> <li>➤ इस पाठ्यक्रम को पढ़कर भाषा विज्ञान तथा व्याकरण के तुलनात्मक ज्ञान छात्रों को प्राप्त होगा ।</li> <li>➤ ध्वनि विज्ञान से संबंधित विविध मुद्दों का ज्ञान छात्रों को प्राप्त होगा ।</li> <li>➤ पद (रूप) विज्ञान से संबंधित विविध मुद्दों का ज्ञान छात्रों को प्राप्त होगा ।</li> <li>➤ अर्थ विज्ञान से संबंधित विविध मुद्दों का ज्ञान छात्रों को प्राप्त होगा ।</li> <li>➤ यह पाठ्यक्रम नेट/सेट की परीक्षा तथा प्रतियोगिता परीक्षाओं की पूर्व तैयारी की दृष्टि से उपयोगी सिद्ध होगा ।</li> </ul>	<ul style="list-style-type: none"> <li>➤ भाषा विज्ञान की परिभाषाएँ तथा भाषा विज्ञान के विविध अंगों से छात्रों को परिचित कराना ।</li> <li>➤ भाषा विज्ञान तथा व्याकरण के तुलनात्मक अध्ययन का ज्ञान छात्रों को प्रदान कराना ।</li> <li>➤ ध्वनि विज्ञान से संबंधित विविध मुद्दों से छात्रों को परिचित कराना ।</li> <li>➤ वाक्य विज्ञान से संबंधित विविध मुद्दों का ज्ञान छात्रों को प्रदान करना ।</li> <li>➤ अर्थ विज्ञान से संबंधित विविध मुद्दों का ज्ञान छात्रों को प्रदान करना ।</li> </ul>
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### **GE-I (B) HINDI: खान्देश का लोकसाहित्य**

- लोकसाहित्य की सैध्दांतिकी से छात्र अवगत होंगे ।
- खानदेश के लोकसाहित्य और लोकसंस्कृति से छात्र परिचित होंगे ।
- छात्रों को खानदेश की प्रमुख बोलियाँ : अहिराणी, लेवा और आदिवासी के साहित्य का ज्ञान हो जाएगा ।
- लोकगीत, लोककथा, और लोकनाटय आदि से संबंधित प्रतिनिधि साहित्य रचना का अध्ययन और विश्लेषण करने से छात्रों में प्रादेशिक साहित्य के प्रति आस्था और अस्मिता का भाव जागृत होगा ।
- प्रस्तुत पाठ्यक्रम को पढ़कर छात्रों को लोक भाषा में साहित्य सर्जन की प्रेरणा मिलेगी ।

- लोकसाहित्य की सैध्दांतिकी से छात्रों को परिचित कराना ।
- खानदेश के लोकसाहित्य और लोकसंस्कृति से छात्रों को अवगत कराना ।
- छात्रों को खानदेश की प्रमुख बोलियाँ : अहिराणी, लेवा और आदिवासी के साहित्य से अवगत कराना।
- लोकगीत, लोककथा, और लोकनाटय आदि से संबंधित प्रतिनिधि साहित्य रचना का अध्ययन और विश्लेषण करना ।

## Department of Marathi

F. Y. B. A Sem. I	F. Y. B. A Sem. II
<p><b>DSC (A 1) Marathi Gen : Nivadak Daha Katha</b></p> <ol style="list-style-type: none"> <li>To introduce nature and importance of stories to students.</li> <li>To acquaint students the types of stories.</li> <li>To make students aware about human values</li> </ol>	<p><b>DSC (A 2) Marathi Gen : Kavyankur</b></p> <ol style="list-style-type: none"> <li>To introduce satire and irony in poetry.</li> <li>To introduce nature and salient features of poetry to students.</li> <li>To develop poetry writing ability among students.</li> </ol>
S. Y. B. A Sem. III	S. Y. B. A Sem. IV
<p><b>DSC (C) Marathi Gen : Shetkaryacha Asud</b></p> <ol style="list-style-type: none"> <li>To know the students features of vaicharik gaddya.</li> <li>To know the students form of vacharik gaddya.</li> <li>To inspire students to write vacharik gaddya.</li> </ol> <p><b>DSE (1 A) Avakali Pavasachya Darmyanchi Gosht (Novel)</b></p> <ol style="list-style-type: none"> <li>To know the students features of novel.</li> <li>To know the students form of novel.</li> <li>To inspire students to know the problems of society through novel.</li> </ol> <p><b>DSE (2 A) Sahitya Vichar</b></p> <ol style="list-style-type: none"> <li>To introduce Indian and western poetics.</li> <li>To know the students nature of literature.</li> <li>To know the students process of creation of Novel, Drama, Story etc.</li> </ol> <p><b>SEC (1) Proof Reading Skill</b></p> <ol style="list-style-type: none"> <li>To know the students importance of proof reading.</li> <li>To develop skill of proof reading.</li> </ol> <p><b>MIL (1) Print media writing skill</b></p> <p>CO 1 : To know the students nature of print media writing skill. CO 2 : To know the students nature of news writing skill.</p>	<p><b>DSC (D) Marathi Gen : Jeevanrang</b></p> <ol style="list-style-type: none"> <li>To know the students features of biography.</li> <li>To know the students the features of autobiography.</li> <li>To make students aware about the human values.</li> </ol> <p><b>DSE (1 B) Maze Vidyapeeth (poems)</b></p> <ol style="list-style-type: none"> <li>To develop poetry writing skill.</li> <li>To introduce satire and irony in poetry.</li> <li>To inspire students to know the social problems through poetry.</li> </ol> <p><b>DSE (2 B) Sahitya Vichar</b></p> <ol style="list-style-type: none"> <li>To know the students nature of literary language.</li> <li>To introduce `Rasa-Process` in literature.</li> <li>To introduce nature of literary criticism.</li> </ol> <p><b>SEC (2) Creative Writing Skill</b></p> <ol style="list-style-type: none"> <li>To know the students nature of creative writing.</li> <li>To know the students process of story writing.</li> <li>To know the students process of drama writing.</li> </ol> <p><b>MIL (2) Audible media</b></p> <p>CO 1 : To know the students nature of audible media. CO 2 : To develop the skill of dramatic writing.</p>

Department of Humanities

<b>T. Y. B. A Sem. V</b>	<b>T Y. B. A Sem. VI</b>
<p><b>Marathi Gen : Adhantar (Drama)</b></p> <ol style="list-style-type: none"><li>1. To know the students features of drama.</li><li>2. To know the students form of drama.</li><li>3. To arise sentiment among students through drama.</li></ol> <p><b>Marathi (S-3) History of Modern Marathi Literature</b></p> <ol style="list-style-type: none"><li>1. To know the students history of modern marathi story.</li><li>2. To know the students history of modern Marathi novel.</li></ol> <p><b>Marathi (S-4) Linguistic</b></p> <ol style="list-style-type: none"><li>1. To know the students nature of language.</li><li>2. To know the students functions of language.</li></ol>	<p><b>Marathi Gen : Nivdak Lalit Gaddya</b></p> <ol style="list-style-type: none"><li>1. To know the students nature of lalit gaddya.</li><li>2. To make students aware about human values.</li></ol> <p><b>Marathi (S-3) History of Modern Marathi Literature</b></p> <ol style="list-style-type: none"><li>1. To know the students history of modern marathi poetry.</li><li>2. To know the students history of modern marathi drama.</li></ol> <p><b>Marathi (S-4) Marathi Grammar</b></p> <ol style="list-style-type: none"><li>1. To know the students nature of marathi grammar.</li><li>2. To know the students functions of marathi grammar</li></ol>

# Department of Commerce

## F. Y. B. COM. SEM -I & II

Subject Name	Objectives	Outcomes
MARATHI	<ul style="list-style-type: none"> <li>• To introduce various famous entrepreneurs to commerce students.</li> <li>• To develop Marathi reading and linguistic comprehension of students.</li> <li>• To improve professional and entrepreneurial attitude of students through their success stories.</li> </ul>	<ul style="list-style-type: none"> <li>• To Acquaint Students with special challenges of starting new ventures</li> <li>• To know the qualities to become a successful entrepreneur.</li> </ul>
MICROECONOMICS	<ul style="list-style-type: none"> <li>• Micro economics theory is to analyze how individual decision-makers, both consumers and producers, behave in variety of <b>economic</b> environments.</li> <li>• The common <b>goal</b> in all of these issues is to identify the incentives of the various participating agents and the Trade-offs that they face.</li> </ul>	<ul style="list-style-type: none"> <li>• Micro economics theory is to analyze how individual decision-makers, both consumers and producers, behave in variety of <b>economic</b> environments.</li> <li>• The common <b>goal</b> in all of these issues is to identify the incentives of the various participating agents and the trade-offs that they face.</li> </ul>
FINANCIAL ACCOUNTING & COSTING	<ul style="list-style-type: none"> <li>• To lay a foundation for understanding the Accounting Standards issued by the ICAI.</li> <li>• To gain the ability to solve problems relating to settlement of obligations on dissolution of partnership firm and also relating to their business combinations</li> </ul>	<ul style="list-style-type: none"> <li>• To introduce the concepts used in Cost Accounting, elements of cost and the concept of cost sheet.</li> </ul>
COMPUTING SKILLS	<ul style="list-style-type: none"> <li>• To familiarize the Students with basics of Internet.</li> <li>• To understand the use of Office application..</li> </ul>	<ul style="list-style-type: none"> <li>• To understand the how of accountings of work.</li> <li>• To know the relevance of Tally accounting package in modern competitive world.</li> </ul>

<p>MODERN OFFICE MANAGEMENT</p>	<ul style="list-style-type: none"> <li>• To understand the concept of office management.</li> <li>• To acquire operational skills of office management.</li> <li>• To develop the interest in methods and procedures of office management.</li> <li>• To know the secretarial procedure..</li> </ul>	<ul style="list-style-type: none"> <li>• To understand office lay out and environment in modern context.</li> <li>• To acquire the basic knowledge of office appliances and machines.</li> <li>• To understand office system.</li> <li>• To acquire knowledge of office meetings and proceedings.</li> </ul>
<p>QUANTITATIVE TECHNIQUES</p>	<ul style="list-style-type: none"> <li>• Measurements and the statistical, mathematical, or numerical analysis of data collected through polls, questionnaires, and surveys, or by manipulating pre-existing Statistical data using computational <b>techniques</b>.</li> </ul>	<ul style="list-style-type: none"> <li>• Measurements and the statistical ,mathematical, and surveys, or by manipulating pre-existing Statistical data using computational <b>techniques</b>.</li> </ul>
<p>MARKETING AND ADVERTISING</p>	<ul style="list-style-type: none"> <li>• To create awareness about Marketing</li> <li>• To understand basic concepts of Marketing</li> <li>• To establish link between Commerce / Business and Marketing</li> </ul>	<ul style="list-style-type: none"> <li>• To know the relevance of Marketing in modern competitive world.</li> <li>• To develop an analytical ability to Plan for various marketing strategy.</li> </ul>

**S. Y. B.Com. Sem. III and IV**

Subject Name	Objectives	Outcomes
BUSINESS SKILL	<ul style="list-style-type: none"> <li>• To equip students with the necessary soft skills to enhance their competitive edge in the job market</li> <li>• To imbibe in students positive attitude towards life and work.</li> <li>• To help students excel in their individual and professional lives using the soft skills</li> </ul>	<p>Student shall be able to–</p> <ul style="list-style-type: none"> <li>• Understand the significance and essence of a wide range of soft skills.</li> <li>• Learn how to apply soft skills in a wide range of routine social and professional settings.</li> <li>• Learn how to employ soft skills to improve inter personal relationships.</li> <li>• Learn how to employ soft skills to enhance employability and ensure workplace and career success..</li> </ul>
MACRO ECO NOMICS	<ul style="list-style-type: none"> <li>• The objective of macroeconomic policies is to maximize the level of national income, providing <b>economic</b> growth to raise the utility and standard of living of participants in the economy.</li> </ul>	<p>The objective of macroeconomic policies is to maximize the level of national income, Providing <b>economic</b> growth to raise the utility and standard of living of participants in the economy.</p>
BUSINESS AND TAX LAWS	<ul style="list-style-type: none"> <li>• Learn The Law &amp; Legal Principals of Contract Act 1872.</li> <li>• Draft legal documents including partnership deed &amp; service tax returns.</li> <li>• Understand the basic structure, rules &amp; powers of consumer protection act.</li> <li>• To know the provision regarding strikes and lockouts under industrial dispute act.</li> </ul>	<ul style="list-style-type: none"> <li>• Be acquainted with development of patents and environment protection act.</li> <li>• Students to gain a better underrating of the negotiable instrument act.</li> <li>• Learn how to analysis the legal constraints on business.</li> <li>• Be able to face the problems on various sides of Business and Tax Law.</li> </ul>
CORPORATE ACCOUNTING	<ul style="list-style-type: none"> <li>• To acquaint the students with modern updated computerized accounting system and software.</li> <li>• To develop an understanding of the rules of measurement and reporting relating to various components of corporate financial transactions.</li> </ul>	<ul style="list-style-type: none"> <li>• To provide working knowledge of accounting principles and procedures for recording of transactions related to corporate entities.</li> <li>• To provide working knowledge for preparing the corporate accounts and statements in accordance with the statutory requirements.</li> </ul>

<p>COMPUTING MANAGEMENT</p>	<ul style="list-style-type: none"> <li>• To Understand the Objectives of Computerized Accounting.</li> <li>• To know the Principles of Tally Software.</li> <li>• To acquire Computing Skills.</li> <li>• To Study various features of Tally.</li> <li>• To Acquaint with Modern Technology In Accounting.</li> <li>• To study of Goods and Services Tax Act.</li> <li>• To use Tally with GST.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate a basic understanding of computer hardware and software.</li> <li>• Demonstrate problem-solving skills.</li> <li>• Apply logical skills to programming in a variety of languages.</li> <li>• Utilize web technologies.</li> <li>• Present conclusions effectively, orally, and in writing.</li> <li>• Demonstrate basic understanding of network principles.</li> <li>• Working effectively in teams.</li> <li>• Apply the skills that are the focus of this program to business scenarios.</li> </ul>
<p>BUSINESS ENTREPRENEURS HIP</p>	<ul style="list-style-type: none"> <li>• To improve the knowledge, skills &amp; competencies of the potential &amp; existing entrepreneurs in various sector.</li> <li>• To improve life management skills of children and youth.</li> <li>• To provide intellectual resources to youth for their best future.</li> <li>• To improve social and economics kills.</li> <li>• To provide diverse opportunities for participation.</li> <li>• To empower to people to create business opportunities.</li> <li>• To boost the Entrepreneurship Development Programme.</li> <li>• To boost women and rural entrepreneurship.</li> </ul>	<ul style="list-style-type: none"> <li>• To understand different methods to assess the attractiveness of business opportunities.</li> <li>• To understand what characterizes an attractive business opportunity and common pit falls during the entrepreneurial process.</li> <li>• To products or services to market.</li> <li>• To understand different methods that can be used to minimize uncertainties at different stages of the entrepreneurial process.</li> <li>• To understand the dynamics of how teams develop and function as well as the various types of conflicts that can arise during team work</li> </ul>



COST ACCOUNTING	<ul style="list-style-type: none"> <li>• To acknowledge the students with the cost accounting concepts, Methods and techniques.</li> <li>• To enable the students to apply analytical tools &amp; techniques of cost accounting.</li> <li>• To lay a foundation for understanding the Labour &amp; Overheads accounting procedure.</li> <li>• To develop competence among the students.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate a basic understanding of computer hard ware and software.</li> <li>• Demonstrate problem-solving skills.</li> <li>• Apply logical skills to programming in a variety of languages.</li> <li>• Utilize web technologies.</li> <li>• Present conclusions effectively, orally, and in writing.</li> <li>• Demonstrate basic understanding of network principles.</li> <li>• Working effectively in teams.</li> <li>• Apply the skills that are the focus of this program to business scenarios.</li> </ul>
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<b>Retail Management</b>	<ul style="list-style-type: none"> <li>• To Introduce Basic Retailing Management Concepts.</li> <li>• Empowering Students with the Most Modern Techniques and Practices of Retailing as Seen and Experienced around the Globe.</li> <li>• Imparting Theoretical and Practical Knowledge to Ensure Understanding of the Dynamic of Modern Organized Retail Trade.</li> <li>• To understand analysis of store location, merchandising, products and pricing.</li> <li>• The learner will be able to determine a level of interest in pursuing a career in retail management.</li> </ul>	<ul style="list-style-type: none"> <li>• Explain the central role of retail in industrialized societies, and the impact of key market/retail trends up on this sector in the local and global contexts.</li> <li>• Identify the key stakeholders and the roles/responsibilities of retail towards these stakeholders</li> <li>• Understand and apply appropriate frameworks to develop high level retail marketing strategy, and identify</li> <li>• the role of marketing strategies in the building of brand equity and shareholder value in the retail industry</li> </ul>
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### T. Y. B. COM. SEM – V & VI

Subjet Name	Objectives	Outcomes
INDIAN ECONOMIC SCENARIO	<ul style="list-style-type: none"> <li>• To acquaint students with new concepts of Economics.</li> <li>• To update the students about new changes brought in Indian Economy.</li> </ul>	<ul style="list-style-type: none"> <li>• To know the relevance Economic practices in modern competitive world.</li> <li>• To make students competent to become success in competitive examination.</li> </ul>

PRINCIPLES OF AUDITING	<ul style="list-style-type: none"> <li>To acquaint students with new concepts of Auditing.</li> <li>To update the students about new changes brought in practices of Auditing.</li> </ul>	<ul style="list-style-type: none"> <li>To know the relevance Economic practices in modern competitive world.</li> <li>To make students competent to become success in competitive examination.</li> </ul>
INCOME TAX	<ul style="list-style-type: none"> <li>To know the various provisions relating to Income and Incomes tax computation.</li> <li>To get elementary working knowledge with application skill.</li> <li>understand the basic concepts of the Income Tax Act 1961 and get the elementary knowledge of scheme of taxation in India.</li> </ul>	<ul style="list-style-type: none"> <li>To compute Income and Tax of an Individual assesses under the Income tax Act.</li> </ul>
HUMAN RESOURCE MANAGEMENT	<ul style="list-style-type: none"> <li>To familiarize students with concepts of human resource planning, Job Analysis, Recruitment and selection procedures.</li> </ul>	<ul style="list-style-type: none"> <li>To introduce the concept, principles and practices of H.R.M.to the students.</li> </ul>
BUSINESS MANAGEMENT	<ul style="list-style-type: none"> <li>To introduce the concept of management to the students.</li> <li>To acquaint the student with modern management practices.</li> <li>To develop leadership skills and communication skills.</li> </ul>	<ul style="list-style-type: none"> <li>To familiarize the students with the nature and scope of management.</li> <li>To help the students to understand the concept of management. Also expose the students to latest trends in management.</li> <li>To introduce the concept, modern management techniques.</li> </ul>
ADVANCED ACCOUNTING-I	<ul style="list-style-type: none"> <li>To impart the students, knowledge about accounting treatment of functional aspects of Corporate and Non-corporate undertakings.</li> <li>To appraise the students about the application of accounting knowledge in preparation of financial Statements of Bank Accounts and Farm Activities.</li> <li>To develop competence among the students regarding advanced accounting</li> </ul>	<ul style="list-style-type: none"> <li>Understand the various concepts of Advanced Accounting</li> <li>Utilize working knowledge with application skill of Advanced Accounting.</li> <li>Preparing the Bank Companies Statements in accordance with the statutory requirements.</li> <li>Prepare Statements regarding Royalty Accounts and Insolvency Accounts.</li> <li>Understanding knowledge of Hire Purchase, Banking Companies and Farm Accounting.</li> </ul>

<p>ADVANCED ACCOUNTING-II</p>	<ul style="list-style-type: none"> <li>• To understand accounting knowledge in reading and Interpreting the financial statements of corporate entities.</li> <li>• To study the need and importance of Accounting Standard and its Functional Aspects.</li> <li>• To develop competence among the students regarding advanced accounting.</li> <li>• To apprise the students about the application of accounting knowledge of amalgamation, absorption, external</li> </ul>	<ul style="list-style-type: none"> <li>• . Understand the various concepts of Corporate Sector Accounting.</li> <li>• Developing techniques of reconstruction of Companies financial statement.</li> <li>• Preparing the Reconstructed Financial Statements. 4. Understanding knowledge of Liquidation of Companies.</li> </ul>
	<p>reconstructions and internal reconstructions.</p>	
<p>GOOD &amp; SERVICE TAX GST</p>	<ul style="list-style-type: none"> <li>• To equip students with the necessary soft skills to enhance their competitive edge in the job market.</li> <li>• To imbibe in students positive attitude towards life and work.</li> </ul>	<ul style="list-style-type: none"> <li>• To help student excel in their individual and professional lives using the soft skills.</li> </ul>

## Department of Physics

After successful completion of three year degree program in ( <b>B.Sc. PHYSICS</b> ) a student should be able to;	
<b>Programme Outcomes</b>	<ol style="list-style-type: none"> <li>1) Demonstrate and think in depth to understand the minor and major concepts in scientific and technological aspects in all disciplines of physics.</li> <li>2) Enrich the knowledge through problem solving and also think methodically to draw a logical conclusion.</li> <li>3) Develop analytical abilities towards real world problems and create an awareness of the impact of Physics on the society.</li> <li>4) Develop awareness to use modern techniques, decent equipment's, and also the scientific knowledge to design, record and analyze the results of Physics experiments.</li> </ol>
<b>Programs Specific Outcome</b>	<ol style="list-style-type: none"> <li>1) To have the knowledge of Physics through theory and practical's as well as knowledge of basic concepts of Physics in depth.</li> <li>2) To solve the problems in real life situations by applying various laws of Physics.</li> <li>3) To understand good laboratory practices and safety which can be useful in higher studies in Physics as well as other than Physics also.</li> <li>4) To develop the research oriented skills to handle the sophisticated instruments /equipment's.</li> </ol>

### Course Outcomes Semester-I (F. Y BSc. PHYSICS)

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>PHY-101: Basic Mechanics</b>	<ol style="list-style-type: none"> <li>1) Apply the linear and angular momentum, conservation laws of energy to solve problems</li> <li>2) Apply the concept of use of knowledge of mechanics to real life problems.</li> <li>3) Understanding of the course will create scientific temperament</li> <li>4) The students would learn about the behavior of physical bodies it provides the basic concepts related to the motion of all the objects around us in our daily life.</li> <li>5) The velocity and acceleration parameter give the knowledge about how the vehicles Move.</li> </ol>
<b>PHY-102: Dynamics and Elasticity</b>	<ol style="list-style-type: none"> <li>1) Study the behavior of rigid body dynamics</li> <li>2) To make the students to understand the dynamics involved in a rigid body.</li> <li>3) Learn how Young's modulus and rigidity modulus are defines and how they are evaluated for different shapes of practical relevance</li> </ol>

**Semester-II ( F. Y B.Sc. PHYSICS )**

After completion of these courses students should be able to;	
Course	Outcomes
<b>PHY-201: Electricity and Electrostatics</b>	<ol style="list-style-type: none"><li>1) Gain knowledge of Gauss laws and solve the electric field for various geometric objects</li><li>2) To understand the basic concepts of Electric field and Electric Potential.</li></ol>
<b>PHY-202: Dielectrics, Magnetism And Electromagnetism</b>	<ol style="list-style-type: none"><li>1) Enable to understand the concept of magnetic field.</li><li>2) Understand the faradays laws of electromagnetic induction</li><li>3) Enable to familiarize with the laws of electromagnetic induction</li><li>4) Thorough knowledge in the basic concept of electromagnetic induction</li><li>5) Able to derive the Maxwell's equation in free space and material media</li></ol>

**Semester-III ( SY BSc. PHYSICS )**

After completion of these courses students should be able to;	
Course	Outcomes
<b>PHY-301: Thermodynamics and Kinetic theory of gases</b>	<ol style="list-style-type: none"><li>1) Understand the concept of thermodynamics and there laws.</li><li>2) Understand the Heat Engine and there uses</li><li>3) Describe the thermodynamic function and there relations</li><li>4) To study Maxwell Relations and Application.</li></ol>
<b>PHY-302 (A): Electronics –I</b>	<ol style="list-style-type: none"><li>1) Understand the basics of diode and working of rectifier circuits and characteristics</li><li>2) Analyze the characteristics of transistor and transistor biasing circuits</li><li>3) Understand the basic knowledge of semiconductor physics</li><li>4) Learn how to construct a transistor amplifier and how its gain varies with frequency</li><li>5) Understand the fundamentals of codes and number system</li><li>6) Understand the binary arithmetic , logics and boolean functions</li></ol>
<b>PHY 304: Skill Enhancement Course</b>	<ol style="list-style-type: none"><li>1) Know the need of renewable energy resources, historical and latest developments</li><li>2) Describe the use of solar energy and the various components used in the energy production with respect to applications like - heating, cooling, desalination, power generation, drying, cooking etc.</li><li>3) Appreciate the need of Wind Energy and the various components used in energy generation and know the classifications.</li><li>4) Understand the concept of Biomass energy resources</li></ol>

**Semester-IV (S.Y BSc. PHYSICS)**

After completion of these courses students should be able to;	
Course	Outcomes
<b>PHY 401: Waves, Oscillations and Acoustics</b>	<ol style="list-style-type: none"> <li>1) Apply the concept of use of knowledge of Waves and Sound to real life problems</li> <li>2) Familiarize with general terms in acoustics like intensity, loudness, reverberation etc, and study in detail about production, detection, properties and uses of ultrasonic waves</li> <li>3) Analyze waves and oscillations</li> </ol>
<b>PHY 402: Optics and LASERS</b>	<ol style="list-style-type: none"> <li>1) Understand the natural behaviour of aberration in lens</li> <li>2) Study the theory and experiment of interference using air wedge, Newtons rings etc.</li> <li>3) Study the theory of diffraction by Fresnels and Ffraunhoffer methods</li> <li>4) Study the theories for production of polarization of light</li> <li>5) Explain different Laser used and make a comparison between them.</li> <li>6) Apply the gained basic knowledge of laser and working of different type of lasers</li> </ol>
<b>PHY 404: Electrical Circuits and Network Skills</b>	<ol style="list-style-type: none"> <li>1) After the completion of the course the student will acquire necessary skills/ hands on experience /working knowledge on multimeters, voltmeters, ammeters, electric circuit elements, dc power sources, ac/dc generators, inductors, capacitors, transformers, single phase and three phase motors, interfacing dc/ac motors to control and measure, relays and basics of electrical wiring.</li> <li>2) Study circuits in a systematic manner suitable for analysis and design.</li> <li>3) Analyze the electric circuit using network theorems.</li> </ol>

## Department of Chemistry

After successful completion of three year degree program in (B.Sc. CHEMISTRY) a student should be able to;		
Sr. No.	Programme Outcomes (POs)	Program Specific Outcomes (PSOs)
1	To promote understanding of basic facts and concepts in Chemistry while retaining the excitement of Chemistry.	To develop ability and to acquire the knowledge of terms, facts, concepts, processes techniques and principles of subjects.
2	To make students capable of studying Chemistry in academic and Industrial courses.	To develop ability to apply the knowledge of contents of principles of chemistry.
3	To expose the students to various emerging new areas of Chemistry and apprise them with their prevalent in their future studies and their applications in various spheres of chemical sciences.	To inquire of new knowledge of chemistry and developments therein.
4	To develop problem solving skills in students.	To expose and to develop interest in the fields of chemistry.
5	To expose the students to different processes used in Industries and their applications.	To develop the power of appreciations, the achievements in Chemistry and role in nature and society.
6	To develop proper aptitude towards the subjects.	To develop skills required in chemistry such as the proper handling of apparatus and chemicals.

### Course Outcomes

#### Semester-I (FY BSc. CHEMISTRY)

After completion of these courses students should be able to;	
Course	Outcomes
<b>CH-101: Physical and Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) To expose &amp; develop interest in the field of chemistry.</li> <li>2) To develop ability &amp; to acquire the knowledge of terms, facts concept processes techniques &amp; principles of subject.</li> <li>3) To understand the fundamental principle and chemical analysis</li> </ol>

<b>CH-102: Organic and Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) To develop skills required in chemistry such as the proper handling of apparatus &amp; chemical analysis</li> <li>2) To develop ability to apply the knowledge of contents of principles of chemistry</li> </ol>
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### Semester-II (FY BSc. CHEMISTRY)

After completion of these courses students should be able to;	
Course	Outcomes
<b>CH-201: Physical and Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) To develop problem solving skills in students.</li> <li>2) To develop proper aptitude towards the subject.</li> <li>3) To develop ability to apply the knowledge of contents of principles of chemistry.</li> </ol>
<b>CH-202: Organic and Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) Determine analyses and evaluate the interpretations involve in chemistry.</li> <li>2) Develop thirst of chemical knowledge, become flexible and persistence learners and appreciate the need for lifelong learning.</li> <li>3) Develop and understanding, interest of Hydrocarbon Chemistry.</li> </ol>

### Semester-III ( SY BSc. CHEMISTRY)

After completion of these courses students should be able to;	
Course	Outcomes
<b>CH-301: Physical and Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) Know the qualitative properties of solution, the depression in freezing point, elevation in boiling point and osmotic pressure. Calculate molar and normal solution of various concentrations.</li> <li>2) Explains the application of colligative properties in determining molecular mass.</li> <li>3) Know the qualitative properties of solution, the depression in freezing point, elevation in boiling point and osmotic pressure.</li> <li>4) Compares the general characteristics electronic configuration of lanthanides and actinides, uses of lanthanides and actinides.</li> </ol>
<b>CH-302: Organic and Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) This course gives the quantitative ideas about the synthesis, properties and uses of such heterocyclic compounds like pyrole, pyridine quinolone, theophany, furan etc.. Different methods for the preparation of important Hetero cycles and their important reactions. Aromaticity, Huckel's rule and its applications</li> <li>2) Explains the different types of structural and stereo isomers CO<sub>2</sub> Represent organic molecules by Fischer, Flying wedge, Sawhorse and Newman projection formulas , Conformational isomerism of</li> </ol>



	<p>ethane, n-butane, cyclohexane, Conformational analysis of 1,4 cis and trans disubstituted cyclohexane.</p> <p>3) Explains the theories of acids and bases. Different solvents and solubility. Hard and soft acids and bases: definitions, Pearson HSAB concept, theories of Hardness and softness, application and limitation of HSAB concepts</p>
<b>CH-304</b> Basic Analytical Chemistry	<p>1) Develops accuracy and precision in doing experiments, understands the different errors and methods for minimizing errors. Explanation of MSDS. Explain significant figures, absolute error, relative error, mean, median, Give the theory behind the qualitative and quantitative analysis conducted in the laboratory. Study the importance of safety and security, responsibility types of hazards and risk in chemical laboratory. Understand the use of personal protective and other safety equipment's, handling of chemical in laboratory.</p> <p>2) Understand the route of explores for toxic chemicals. Learn good laboratory practices and its applications.</p> <p>3) Students are enabling to aware about PH, POH, derivation of Henderson's equation, Conduct acid base titrations, Different indicators used in titrations,</p> <p>4) complex metric titrations, Applications of titrations</p> <p>5) Students are enable to aware about Classification of chromatography, Mobile phase and stationary phase, Study the instrumentation, sample injection system, columns for HPLC and GC, Solvent treatment system and choice of mobile phase. To give an extended knowledge about chromatographic</p>
<b>CH-303 Chemistry Practical</b>	<p>1) Determine the miscibility temperature of phenol–water system</p> <p>2) Experimental demonstration of Conductometric and Potentiometric titrations of strong acid against strong base, weak acid against strong base.</p> <p>3) Simple Organic and Inorganic derivatives preparations</p>

**Semester-IV( SY BSc. CHEMISTRY)**

After completion of these courses students should be able to;	
Course	Outcomes
<b>CH-401:</b> Physical and Inorganic Chemistry	<ol style="list-style-type: none"> <li>1) Free energy and equilibrium, Gibbs and Helmholtz energies, spontaneous and non spontaneous reactions, changes in enthalpy, Entropy and free energy of reactions, Derivations of Clausius and Celsius chaperon equations.</li> <li>2) Electrochemistry discussed electrical properties of ionic solutions. Different types of cells and their formulations, applications. Solve the cell reactions and calculate cell EMF.</li> <li>3) Double salts and coordination compounds, coordination complexes and complex ions, coordination number, Unidentate, bidentate and polydentate ligands, chelating ligand and chelates, physical methods used in study of complex, Nomenclature of coordination compounds.</li> <li>4) Therotical knowledge about metals, non-metals and semiconductors. Understand the p-type semiconductor and n-type semiconductor. Their preparations and uses.</li> </ol>
<b>CH-402:</b> Organic and Inorganic Chemistry	<ol style="list-style-type: none"> <li>1) Synthesis of organic reaction is itself involves a large part of organic chemistry. This is called synthetic organic chemistry. This chapter involves different synthetic reagents for synthesis of malonic ester and Acetoacetic ester.</li> <li>2) Organometallic compounds are very important in biological bodies like hemoglobin,</li> <li>3) chlorophylls, Vitamin B<sub>12</sub> and also they can be used as chemical reagent. This course discussed about the synthesis and properties of these organometallics of Zinc, Magnesium, Lithium and Copper.</li> <li>4) to understand deferent theories like MOT, VBT, CFT, LCAO, Compare MO and VB theory, Know the meaning of various terms involved in coordination Chemistry ,To understand Werner's formulation of complexes and identify the types of</li> </ol>

	valences, Know the limitations of VBT, Know the shapes of d-orbitals and degeneracy of d-orbitals, Explain MO Theory and draw the MO diagrams for H <sub>2</sub> , He <sub>2</sub> , B <sub>2</sub> , N <sub>2</sub> , O <sub>2</sub> , CO and NO
<b>CH-403 Chemistry Practical</b>	<ol style="list-style-type: none"> <li>1) Experiments based on Gravimetric and Colorimetric analysis.</li> <li>2) Gravimetric estimation of Barium, Sulphate, Calcium using silica crucible</li> <li>3) Organic qualitative analysis in small quantity helps in type determination and reducing the consumption of chemicals.</li> <li>4) Determine the physical constants like boiling point and melting point of organic compounds.</li> <li>5) Recrystallisation of organic compounds from alcohol and water.</li> <li>6) Identify the organic compounds.</li> <li>7) Paper chromatography.</li> </ol>

#### Semester-V ( TY BSc. CHEMISTRY)

After completion of these courses students should be able to;	
Course	Outcomes
<b>CH-501: Principles of Physical Chemistry-I</b>	<ol style="list-style-type: none"> <li>1) To orient and acquaint the students towards the basic concepts of Quantum Chemistry</li> <li>2) To acquire knowledge about rates of chemical reactions and distinguishing the reaction of different order and their characteristics.</li> <li>3) To understand the basic principles of phase rules and phase diagrams.</li> <li>4) To learn the underlying principles of electrode reactions, electrochemical cells and applications of EMF.</li> </ol>
<b>CH-502: Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) To describe the VSEPR theory to predict shape of molecules from electron pairs.</li> <li>2) To describe the bonding in simple compounds using VBT.</li> <li>3) To describe the principles of VBT to predict hybridization of orbitals.</li> <li>4) To understand how CFT explains electronic structure, colour and magnetic properties of co-ordination compounds.</li> <li>5) To introduce the basic principles of MOT and electronic geometry of molecules.</li> </ol>

<b>CH-503 - Organic Reaction Mechanism</b>	<ol style="list-style-type: none"> <li>1) To study different types of organic reactions. To understand the mechanisms of different types of reactions.</li> <li>2) To distinguish between types of substrates and types of reagents.</li> <li>3) To understand ways of attack of reagent, breaking and formation of bonds in different reaction mechanisms.</li> <li>4) To study kinetics, evidences and factors affecting different types of reactions.</li> <li>5) To study stereochemistry of different reactions.</li> </ol>
<b>CH-504 Industrial Chemistry</b>	<ol style="list-style-type: none"> <li>1) Basic requirements of Chemical Industry, different terms, operations and processes involved in chemical Industry.</li> <li>2) Describe Copy Right Act, Patent Act and Trade Marks, Bureau of Indian Standards (BIS) and International Organization for Standardization (ISO).</li> <li>3) Basic requirements, raw materials, different processes and operations involved in Sugar Industry and also different grades of sugar and uses of by-products of sugar industry.</li> <li>4) Importance of fermented products, basic requirements, theory and process of alcohol making, fractional distillation and various terms involved in Fermentation Industry.</li> <li>5) Understand Occurrence of Petroleum, theories of formation of Petroleum and different terms Viz. Knocking, Anti-Knock Compounds, Octane number, Cetane number, Gasohol and Power alcohol etc.</li> <li>6) Manufacturing processes involved in Industrial Organic Synthesis such as Methanol, Isopropanol, Glycerol, Acetylene and Aromatic hydrocarbon. Toluene from petroleum with their uses</li> </ol>
<b>CH-505 - Analytical Instrumentation</b>	<ol style="list-style-type: none"> <li>1) To develop an understanding of the range and uses of analytical methods in chemistry.</li> <li>2) To understand and establish the role of chemistry in quantitative analysis.</li> <li>3) To enhance the Analytical instrumental skill of the Students.</li> </ol>
<b>CH-506 Green Chemistry</b>	<ol style="list-style-type: none"> <li>1. To create awareness about green solvent, green solute and green product</li> <li>2. To aware the student about the product by green method are environmentally benign.</li> </ol>

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**Semester-VI( TY BSc. CHEMISTRY)**

After completion of these courses students should be able to;	
Course	Outcomes
<b>CH-601: Principles of Physical Chemistry-II</b>	<ol style="list-style-type: none"> <li>1) To learn the basics of molecular spectroscopy and rotational spectra.</li> <li>2) To understand the basic principles and applications of nuclear chemistry.</li> <li>3) To learn the consequences of light absorption by atoms and molecules and photochemical reactions.</li> <li>4) To learn the laws of crystallography and basics of crystal structure</li> </ol>
<b>CH-602: Inorganic Chemistry</b>	<ol style="list-style-type: none"> <li>1) Learn about basic principles and synthesis of nanomaterials.</li> <li>2) Learn about classification, composition and processing of cement.</li> <li>3) Learn about classification and composition of alloys.</li> <li>4) Learn about types manufacture and applications of fertilizers</li> </ol>
<b>CH-603 Spectroscopic Methods of Structure Determination</b>	<ol style="list-style-type: none"> <li>1) To study principle of spectroscopy and to understand wave parameters and terms involved in spectroscopy.</li> <li>2) To study different types of spectroscopy.</li> <li>3) To understand principle, concept and the terms used in each type of spectroscopy.</li> <li>4) Interpretation of UV, IR, NMR spectra.</li> <li>5) Use of spectral data for determination of structure of unknown organic compounds.</li> <li>6) To study different applications of each type of spectroscopy.</li> </ol>
<b>CH-604 Chemistry of industrial Important Product</b>	<p>The student will be able to understand....</p> <ol style="list-style-type: none"> <li>1) Describe the industrial production of a number of important organic and inorganic compounds / chemicals and products of end use.</li> <li>2) Gain comprehensive knowledge of cutting-edge developments in a field of different chemical industries.</li> <li>3) Importance of Cosmetics Industry and a general study including preparation and uses of the Hair dye, hair spray,</li> </ol>

	<p>shampoo, suntan lotions, lipsticks, talcum powder, nail enamel, creams (cold, and shaving creams).</p> <ol style="list-style-type: none"> <li>4) Perfumes and identify the distinguishing features of its components and also an essential oils and their importance in cosmetic industries with reference to Eugenol, Geraniol, sandalwood oil, eucalyptus, rose oil, 2- phenyl ethyl alcohol, Jasmone, Civetone, Muscone etc.</li> <li>5) Know about pesticides both natural and synthetic, benefits and adverse effects of it, also synthesis, manufacture and uses of pesticides viz. Organochlorines (DDT, Gammexene,); Organophosphates (Malathion, Parathion); Anilides (Alachlor and Butachlor).</li> <li>6) Definition, classification, raw material used in soaps and detergents, reaction involved in it, Manufacture of Soaps and cleansing action of soaps and detergents.</li> <li>7) Definition, properties of good dyes, relation between colour and constitution, classification of dyes according to their mode of application and chemical constitution.</li> <li>8) Importance's, definition and meaning of the different terms involved in Drugs and Pharmaceuticals Industry and also synthesis, uses, properties and industrial manufacture of Paracetamol, Aspirin, and Chloramphenicol.</li> </ol>
<p><b>CH-605 Analytical Techniques</b></p>	<ol style="list-style-type: none"> <li>1) To provide knowledge of instruments which are used in Chemical, Pharma, Petroleum, and insecticide and pesticide industry</li> <li>2) To increase student technical skill as per industry need.</li> <li>3) To develop an understanding of the range and uses of analytical methods in chemistry.</li> </ol>
<p><b>CH-606(A): Polymer Chemistry</b></p>	<ol style="list-style-type: none"> <li>1) Define terms like monomer, polymer, polymerization, polydispersity index, etc., classify polymers based on their origin, native backbone chain, and thermal response.</li> <li>2) Know glass transition temperature and its determination, various ways to express molecular weights of polymers and polydispersity index.</li> <li>3) Identify different mechanisms of polymerizations viz. Free radical, ionic, and condensation polymerizations.</li> <li>4) Distinguish techniques of polymerization based on physical conditions required for the preparation of polymers in laboratory or industry.</li> <li>5) Familiar with preparation, properties, and applications of industrially important selected polymers.</li> </ol>

## Department of Botany

After successful completion of three year degree program in( <b><u>B.Sc. Botany</u></b> ) a student should be able to;	
<b>Programme Outcomes</b>	<ul style="list-style-type: none"> <li>• To study the Lower and higher cryptogamic plants.</li> <li>• To study the diversity and economical importance of Angiosperms and Gymnosperms plant groups.</li> <li>• To study Plant Physiology, Metabolism, Anatomy, Embryology and Ecology.</li> <li>• To study techniques of Horticulture, Floriculture, Plant Breeding etc.</li> </ul>
<b>Programs Specific Outcome</b>	<ul style="list-style-type: none"> <li>• To study diversity, habit, habitat and life cycle patterns of Virus, Bacteria, Fungi, Algae, Bryophytes and Pteridophytes plant groups.</li> <li>• To study the Angiosperms and Gymnosperms plant upto Class, Order, Family, Genus and Species and economical importance each family.</li> <li>• To study the Physiological processes, internal structure, embryo and endosperm and ecological factors of plants.</li> <li>• To understand Horticulture practices, techniques commercial Floriculture and Plant breeding.</li> </ul>

### Course Outcomes

#### Semester-I (F.Y. B. Sc. BOTANY)

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>BOT-101: Microbial Diversity, Algae &amp; Fungi</b>	<ol style="list-style-type: none"> <li>1) Student studied the diversity among the microbes.</li> <li>2) Students had known the systematic morphology and structures of bacteria, viruses' algae and fungi.</li> </ol>
<b>BOT-102: Plant Taxonomy</b>	<ol style="list-style-type: none"> <li>1) Student studied the diversity among angiosperms.</li> <li>2) To understand the economic importance of the angiospermic plants.</li> </ol>

## Semester-II ( FY BSc. BOTANY )

After completion of these courses students should be able to;	
Course	Outcomes
<b>BOT-201: Diversity of Archegoniates</b>	<ol style="list-style-type: none"><li>1) To studied the Silent features of Archegoniates</li><li>2) Student makes aware about higher cryptogams and Gymnosperms.</li></ol>
<b>BOT-202: Plant Ecology</b>	<ol style="list-style-type: none"><li>1) Students aware about the conservation about biodiversity.</li><li>2) To study the botanical regions of India and types of Vegetation in Maharashtra.</li></ol>

## Semester-III (SY BSc. BOTANY)

After completion of these courses students should be able to;	
Course	Outcomes
<b>BOT-301: Plant Anatomy</b>	<ol style="list-style-type: none"><li>1) To know the scope and importance of Plant Anatomy.</li><li>2) To study various tissue system.</li></ol>
<b>BOT-302: Plant Physiology</b>	<ol style="list-style-type: none"><li>1) To know the importance and scope of Plant Physiology.</li><li>2) To study the different processes in relation with Structure of organism and its environment.</li></ol>

## Semester-IV( SY BSc. BOTANY )

After completion of these courses students should be able to;	
Course	Outcomes
<b>BOT-401: Plant Embryology</b>	<ol style="list-style-type: none"><li>1) To know the scope and importance of Embryology.</li><li>2) To Study the Pollination, Fertilization Endosperm and Embryogeny.</li></ol>
<b>BOT-402: Plant Metabolism</b>	<ol style="list-style-type: none"><li>1) To study the scope and importance of plant metabolism.</li><li>2) To know the process of Photosynthesis in higher Plants, C3, C4 and CAM pathway.</li></ol>



## Department of Zoology

After successful completion of three year degree program in ( **B.Sc. ZOOLOGY** ) a student should be able to:

Sr. No.	Programme Outcomes (POs)	Program Specific Outcomes (PSOs)
1	Possess a good command of fundamentals in Zoology and its relationship to other disciplines.	Achieve excellence in academic and scientific research in the field of Zoology.
2	Know the theories and scientific facts in the sections of Zoology and interrelations among organisms and their biosphere	Develop and implement ways and means to ensure quality performance and outputs of Zoology program.
3	Memorize the concepts of laboratory management, organization and evaluation.	Use modern technology in education and scientific research in Zoology.
4	Recognize the management and concepts of bio-systems, organization and evaluation.	Implement advanced training to improve the skills of graduates in Zoology and related fields.
5	Outline the policy and legislation of animal Science and ethics.	Create academic and scientific environment to attract outstanding faculty, researchers and students.
6	Design and conduct experiments in Zoology	Improve the national and international partnerships with academic institutions and research centers.
7	Communicate effectively through writing reports, giving presentations, and participating in discussions.	Amelioration in presentation skill with specific purpose
8	Demonstrate skill in the usage of computers, networks, and software packages relevant to Zoology	Object orientated computer skill.

## Course Outcomes

### Semester-I (F.Y BSc. ZOOLOGY)

After completion of these courses students should be able to:	
Course	Outcomes
<b>ZOO 101</b> Invertebrate Zoology	Know the basic concept of Invertebrate Zoology. <ul style="list-style-type: none"> <li>• Acquire the ecological relationships of the local species.</li> <li>• Know common and unknown invertebrate species.</li> <li>• Understand of the – Invertebrate phyla, anatomy, natural history, collection, preservation, behavior and evaluation.</li> </ul>
<b>ZOO 102</b> Grasshopper-The Nonchordate	Acquire knowledge about external morphological features of grasshopper <ul style="list-style-type: none"> <li>• Understand internal structural and functional details of grasshopper</li> <li>• Develop deeper knowledge about reproduction and the cycle of grasshopper</li> </ul>
<b>ZOO 103 Practical</b> Invertebrate Zoology and Grasshopper-The Nonchordate	Know the basic concept of Invertebrate Zoology. • Understand common and unknown invertebrate species. • Acquire practical knowledge about structural and functional aspects of grasshopper

### Semester-II ( F. Y. BSc. ZOOLOGY )

After completion of these courses students should be able to:	
Course	Outcomes
<b>ZOO 201</b> Vertebrate Zoology	Gain the knowledge of the systematic position, habit and habitat of vertebrate animals <ul style="list-style-type: none"> <li>• Acquire the knowledge about classification of vertebrates</li> <li>• Understand the general topics related to vertebrate animals</li> </ul>
<b>ZOO 202</b> Frog-The Chordate	Understand the systematic position, habit and habitat of Frog <ul style="list-style-type: none"> <li>• Acquire the knowledge about structural and functional details about Frog.</li> </ul>
<b>ZOO 203 Practical</b> Vertebrate Zoology and Frog-The Chordate	<ul style="list-style-type: none"> <li>• Enlighten themselves with knowledge related to systematic features of vertebrate animals.</li> <li>• Enrich themselves with understandings of accessory organs.</li> <li>• Know the poisonous and nonpoisonous snakes.</li> </ul>

### Semester-III ( SY BSc. ZOOLOGY )

After completion of these courses students should be able to;	
Course	Outcomes
<b>ZOO 301 Physiology</b>	<ol style="list-style-type: none"> <li>1) Understand Structure of a neuron.</li> <li>2) Understand about Absorption of carbohydrates, proteins, lipids.</li> <li>3) Describe Respiratory volumes and capacities.</li> <li>4) Acquire knowledge regarding Structure of Heart and Endocrine glands</li> </ol>
<b>ZOO 302 Biochemistry</b>	<ol style="list-style-type: none"> <li>1) Describe Biosynthesis and <math>\beta</math> oxidation of palmitic acid.</li> <li>2) Understand Classification of Enzymes</li> <li>3) Develop knowledge of Enzyme Kinetics.</li> </ol>
<b>ZOO 303 Physiology &amp; Biochemistry</b>	<ol style="list-style-type: none"> <li>1) Understand Preparation of hemin and hemochromogens</li> <li>2) Understand about Estimation of total protein in given solutions by Lowry's method</li> <li>3) Describe Study of permanent slides of spinal cord, duodenum, liver, lung, kidney, bone, cartilage</li> </ol>
<b>SEC I Apiculture</b>	<ol style="list-style-type: none"> <li>1) Understand Classification and Biology of Honey Bees</li> <li>2) Acquire knowledge regarding Describe Artificial Bee rearing</li> <li>3) Develop knowledge about Products of Apiculture Industry and its Uses</li> <li>4) Understand about Modern Methods in employing artificial Beehives for cross pollination in horticultural gardens</li> </ol>

### Semester-IV ( SY BSc. ZOOLOGY )

After completion of these courses students should be able to:	
Course	Outcomes
<b>ZOO 401 Genetics</b>	<ol style="list-style-type: none"> <li>1) Understand about Mendel's work on transmission of traits</li> <li>2) Understand Chromosome theory of inheritance</li> <li>3) Describe definition of gene mapping &amp; mutation</li> <li>4) Students become familiar with Chromosomal mechanisms and methods</li> </ol>
<b>ZOO 402 Evolutionary Biology</b>	<ol style="list-style-type: none"> <li>1) Understand about Major Events in History of Life</li> <li>2) Describe Types of natural selection</li> <li>3) Acquire knowledge regarding Biological species concept</li> </ol>
<b>ZOO 403 Genetics &amp; Evolutionary Biology</b>	<ol style="list-style-type: none"> <li>1) Describe Study of Linkage, recombination, gene mapping using the data</li> <li>2) Understand about Study of homology and analogy from suitable specimens/ pictures</li> <li>3) Students become familiar with Study of Mendelian Inheritance and gene interactions</li> </ol>
<b>SEC II Medical Diagnostics</b>	<ol style="list-style-type: none"> <li>1) Describe Preparation of blood smear and Differential Leucocyte Count.</li> <li>2) Develop knowledge about prevention of Diabetes</li> <li>3) Understand about Diagnostic Methods Used for Urine Analysis</li> </ol>

### **Semester-V ( TY BSc. ZOOLOGY )**

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>ZOO-501:Reproductive Endocrinology</b>	<ol style="list-style-type: none"><li>1) Understand about modern contraceptive devices.</li><li>2) Describe the diversity in form, structure and habits of invertebrates and vertebrates</li><li>3) Explain the reproductive patterns in animal world</li></ol>
<b>ZOO-502: Cell and Molecular Biology</b>	<ol style="list-style-type: none"><li>1) Explain the fine structure and functions of cell organelles.</li><li>2) Understand the tools in molecular biology and its implications in human welfare.</li></ol>
<b>Zoo 503: Mammalian Histology</b>	<ol style="list-style-type: none"><li>1) Distinguish tissues with their structural details with functions.</li><li>2) Understand tissues and their systems.</li><li>3) Develop deeper understanding of life is and how it functions at cellular level as well as histological structure of tissues.</li></ol>
<b>Zoo 504: Animal Biotechnology</b>	<ol style="list-style-type: none"><li>1) Students become familiar with genetically engineered products for human animal welfare.</li><li>2) Understand applications of animal biotechnology.</li></ol>
<b>Zoo 505 : Public health and hygiene (Skill Based)</b>	<ol style="list-style-type: none"><li>1) Understand the need of maintenance of personal and public hygiene.</li><li>2) Acquire knowledge regarding epidemiology, prevention.</li></ol>
<b>Zoo 506 : (Elective Course – any one) A) Pest management B) Aquarium Fish Keeping</b>	<ol style="list-style-type: none"><li>1) Understand Crop loss due to their dominance.</li><li>2) Develop personal skills on maintenance of aquarium.</li><li>3) Aware of Aquarium as commercial, decorative and of scientific studies.</li></ol>

### **Semester-VI ( TY BSc. ZOOLOGY )**

After completion of these courses students should be able to;	
<b>Course</b>	<b>Outcomes</b>
<b>Zoo 601: Study of Leech and Calotes</b>	<ol style="list-style-type: none"><li>1) Understand the systematic position, habit and habitat of Leech and Calottes.</li><li>2) Understand taxonomic status of Leech as invertebrates and Calottes as vertebrates</li></ol>
<b>Zoo 602: Chick Embryology</b>	<ol style="list-style-type: none"><li>1) Study the various stages involved in the developing embryo including chick.</li><li>2) Know the processes involved in embryonic development and practical applications of studying the chick embryology.</li></ol>

<b>Zoo 603 : Applied Zoology</b>	<ol style="list-style-type: none"> <li>1) Acquire basic knowledge and skills in applied branches of zoology</li> <li>2) Equip the students with self-employment capabilities.</li> <li>3) Provide scientific knowledge of profitable farming.</li> <li>4) Get technical skill of vermicomposting.</li> <li>5) Learn about all aspects of raising poultry for their meat and eggs.</li> <li>6) Know the economics, problems and prospects of Vermi composting and Poultry.</li> </ol>
<b>Zoo 604: Microtechnique</b>	<ol style="list-style-type: none"> <li>1) Understand the process of preparing permanent slides of preserve tissue</li> <li>2) Prepare the whole mounts microscopic slides and staining reactions.</li> </ol>
<b>Zoo 605: Research Methodology (Skill Based)</b>	<ol style="list-style-type: none"> <li>1) Understand some basic concepts of research and its methodologies.</li> <li>2) Select and define appropriate research problem and parameters including data collection and its analysis.</li> <li>3) Describing various types of Sampling</li> <li>4) Understand the Writing of dissertations, project proposals, project reports, research papers.</li> <li>5) Inculcate the research attitude with details of research and publication, presentation.</li> </ol>
<b>Zoo 606 : Elective Course  B) Sericulture</b>	<ol style="list-style-type: none"> <li>1) Give scientific knowledge about mulberry cultivation, silkworm rearing techniques to the students.</li> <li>2) Train the students in compressive silk production techniques.</li> </ol>

## Department of mathematics

### Programme Outcomes: B.Sc. Mathematics

<b>After successful completion of three year degree program in Mathematics student should be able to;</b>	
<b>Course Objectives</b>	<b>Programme Specific Outcome</b>
<ul style="list-style-type: none"> <li>• A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies.</li> <li>• A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.</li> <li>• A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.</li> <li>• A student be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.</li> <li>• A student should be made aware of history of mathematics and hence of its Past, present and future role as part of our culture.</li> </ul>	<ul style="list-style-type: none"> <li>• 1. Give the students a sufficient knowledge of fundamental principles, methods and a clear perception of innumerable power of mathematical ideas and tools and know how to use them by modeling, solving and interpreting.</li> <li>• Reflecting the broad nature of the subject and developing mathematical tools for continuing further study in various fields of science</li> <li>• Enhancing students' overall development and to equip them with mathematical modeling abilities, problem solving skills, creative talent and power of communication necessary for various kinds of employment</li> <li>• Enabling students to develop a positive attitude towards mathematics as an interesting and valuable subject of study.</li> </ul>

### Semester I (F.Y.B.Sc. Mathematics)

After completion of these courses students should be able to;	
Course	Course Outcomes
<b>MTH 101: Matrix Algebra</b>	<ol style="list-style-type: none"> <li>1) Understand concepts on matrix operations and rank of the matrix.</li> <li>2) Understand use of matrix for solving the system of linear equations.</li> <li>3) Understand basic knowledge of the Eigen values and Eigen vectors.</li> <li>4) Apply Cayley-Hamilton theorem to find the inverse of the matrix.</li> <li>5) Know the matrix transformation and its applications in rotation, reflection, translation.</li> </ol>
<b>MTH 102: Calculus</b>	<ol style="list-style-type: none"> <li>1) Understand basic concepts on limits and continuity.</li> <li>2) Understand use of differentiations in various theorems.</li> <li>3) Know the Mean value theorems and its applications.</li> <li>4) Make the applications of Taylor's, Maclaurin's theorem.</li> <li>5) Know the applications of calculus.</li> </ol>

### Semester II (F.Y.B.Sc. Mathematics)

Course	Course Outcomes
<b>MTH 201: Ordinary Differential Equations</b>	<ol style="list-style-type: none"> <li>1) Understand basic concepts in differential equations.</li> <li>2) Understand method of solving differential equation</li> <li>3) Understand use of differential equations in various fields.</li> </ol>
<b>MTH 202: Theory of Equations</b>	<ol style="list-style-type: none"> <li>1) Students can find out roots of any equation of degree less than or Equal to five. Theory of equations is highly useful in various subjects like algebra, linear algebra, calculus, ordinary and partial differential equations etc.</li> </ol>

### Semester-III (S.Y. B.Sc. Mathematics)

After completion of these courses students should be able to;	
Course	Course Outcomes
<b>MTH 301: Calculus of Several Variables</b>	<ol style="list-style-type: none"> <li>1) limit and continuity of functions of several variables</li> <li>2) Fundamental concepts of multivariable Calculus.</li> <li>3) Series expansion of functions.</li> <li>4) Extreme points of function and their maximum, minimum values at those points.</li> <li>5) Meaning of definite integral as limit as sums.</li> <li>6) how to solve double and triple integration and use them to find area by double integration and volume by triple integration</li> </ol>
<b>MTH -302(B): Theory of Groups and Codes</b>	<ol style="list-style-type: none"> <li>1) Understand group structures which is useful to understanding ideas of modern mathematics.</li> <li>2) Understand solutions to polynomial equations</li> <li>3) Understand permutation groups</li> <li>4) Understand concepts of homomorphisms and isomorphisms</li> <li>5) Students will understand basic concepts in coding theory.</li> </ol>

<b>MTH 304: Set Theory and logic</b>	<ol style="list-style-type: none"> <li>1) Uses of the language of set theory, designing issues in different subjects of mathematics</li> <li>2) understand the issues associated with different types of finite and infinite sets via countable uncountable sets</li> <li>3) knowledge of the concepts and methods of mathematical logic, set theory, relation calculus, and concepts concerning functions which are included in the fundamentals of various disciplines of mathematics</li> <li>4) understanding the role of propositional and predicate calculus</li> <li>2) e) able to provide the logical mathematical reasoning, formulate theorems and definitions</li> </ol>
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### Semester-IV (S.Y. B.Sc. Mathematics)

After completion of these courses students should be able to;	
Course	Course Outcomes
<b>MTH -401: Complex Variables</b>	<ol style="list-style-type: none"> <li>1) The course is aimed to introduce the theory for functions of complex variables</li> <li>2) Students will understand the concept of analytic function</li> <li>3) Students will understand the Cauchy Riemann Equations</li> <li>4) Students will understand harmonic functions</li> <li>5) Students will understand complex integrations</li> <li>6) Students will understand calculus of residues.</li> <li>7) Students will acquire the skill of contour integrations.</li> </ol>
<b>MTH-402 (B): Differential Equations</b>	<ol style="list-style-type: none"> <li>1) Students will aware of formation of differential equations and their solutions</li> <li>2) Students will understand the concept of Lipschitz condition</li> <li>3) Students will understand method of variation of parameters for second order L.D.E.</li> <li>4) Students will understand simultaneous linear differential equations and method of their solutions</li> <li>5) Students will understand Pfaffian differential equations and method of their solutions.</li> </ol>
<b>MTH 404: Vector Calculus</b>	<ol style="list-style-type: none"> <li>1) understand scalar and vector products</li> <li>2) Understand vector valued functions and their limits and continuity and use them to estimate velocity and acceleration of partials.</li> <li>3) Calculate the curl and divergence of a vector field.</li> <li>4) Set up and evaluate line integrals of functions along curves.</li> </ol>



## Department of Computer Science

F.Y.B. Sc. SEM – I	F.Y.B. Sc. SEM – II
<p><b>CS 101: Essential of Computer Science</b></p> <ul style="list-style-type: none"> <li>• Understand the History of Computers.</li> <li>• Understand What is Computer and Basic concepts of computer.</li> <li>• Aware about various types of Computers, types of I/O devices.</li> <li>• Preparation of Algorithm and Flowchart of Program.</li> <li>• Learn computer networks, its types and basics of Internet.</li> <li>• Understand computer viruses and its types.</li> <li>• Demonstrate basics Understanding Computer H/W &amp; S/W.</li> <li>• Knowledge of Installation of Software.</li> <li>• Demonstrate basics understanding network Principle.</li> </ul>	<p><b>CS 201: Internet Computing</b></p> <ul style="list-style-type: none"> <li>• Gain a good overall understanding and appreciation of technologies encompassing Internet Computing that will equip them with the skill sets to plan, design and formulate best solutions for the deployment of state-of-the-art web-based information systems;</li> <li>• Critically assess the problems and issues surrounding the challenges presented to them. In the process of formulating a holistic solution to the problems, students are taught the skill sets to incrementally assess the suitability of various technologies; and</li> <li>• Understand the core concepts that underpin Internet Computing that will provide them with the necessary skill sets to acquire further knowledge as the technology continues to evolve.</li> </ul>
<p><b>CS 102: C Programming-I</b></p> <ul style="list-style-type: none"> <li>• As it is Universal Language, after completion of this course students are able to solve any kind of problem in any field.</li> <li>• Understand the basic programming construct.</li> <li>• Learn function oriented programming concepts required in all other languages.</li> </ul>	<p><b>CS 202: C Programming Language-II</b></p> <ul style="list-style-type: none"> <li>• As it is Universal Language, after completion of this course students are able solve any kind of problem in any field.</li> <li>• Understand the basic programming construct.</li> <li>• Learn function oriented programming concepts required in all other languages.</li> </ul>
<p><b>CS 103: LAB</b></p> <ul style="list-style-type: none"> <li>• On completion of the course, students are able to develop programs using C to meet real world needs and able to develop their own websites. This course provides platform to</li> <li>• Enhance student's basic skills required for advanced programming.</li> </ul>	<p><b>CS 203: LAB</b></p> <ul style="list-style-type: none"> <li>• On completion of the course, students are able to develop programs using C to meet real world needs and able to develop their own websites. This course provides platform to</li> <li>• Enhance student's basic skills required for advanced programming.</li> </ul>

## Department of Computer Science

S.Y.B. Sc. SEM – III	S.Y.B. Sc. SEM – IV
<p><b>COMP 211: Data Structure-I</b></p> <ul style="list-style-type: none"> <li>• Know what is data structure and basic algorithmic notations.</li> <li>• Analyze the time and space requirement of any algorithm.</li> <li>• Understand different linear data structures for conversion of mathematical expressions and polynomial representations.</li> <li>• Know the file structures.</li> </ul>	<p><b>COMP 221 : Data Structure – II</b></p> <ul style="list-style-type: none"> <li>• Know different non-linear data structures that can be used to represent hierarchical relationship between objects.</li> <li>• Traverse and represent the graphs in computer.</li> <li>• Understand the different approaches of sorting and searching elements in the arrays.</li> <li>• Understand different techniques of designing the algorithms.</li> </ul>
<p><b>COMP 212 : OOAD &amp; Introduction to C++</b></p> <ul style="list-style-type: none"> <li>• Be familiar with Object Oriented Programming Environment.</li> <li>• Differentiate between Structure oriented programming and object oriented programming.</li> <li>• Understand different object modelling techniques and analysis like Generalization , Aggregation and Metadata.</li> <li>• Write Reusable, Extensible and Robust programs in C++.</li> </ul>	<p><b>COMP 222 : Programming in C++</b></p> <ul style="list-style-type: none"> <li>• Explore polymorphism using Function and Operator Overloading.</li> <li>• Write programs for handling runtime errors using exception.</li> <li>• Understand the concepts of pointers in C++.</li> <li>• Understand the different aspects of hierarchy of classes and their extensibility.</li> <li>• Write generic programs using templates and STL.</li> </ul>
<p><b>COMP 213: Practical Course</b></p> <ul style="list-style-type: none"> <li>• On completion of the course, students are able to develop programs using C++ based on object oriented concepts and write the ROBUST, EXTENSIBLE and EFFICIENT programs.</li> </ul>	<p><b>COMP 223 : Practical Course</b></p> <ul style="list-style-type: none"> <li>• On completion of the course, students are able to develop programs using C++ based on object oriented concepts and write the ROBUST, EXTENSIBLE and EFFICIENT programs.</li> </ul>

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## Department of Computer Science

T.Y.B. Sc. SEM – V	T.Y.B. Sc. SEM –VI
<p><b>CS-501 System Programming</b></p> <ul style="list-style-type: none"> <li>• Get aware about system software and their tools like Editors and Debug Monitors.</li> <li>• Get familiar with language processing activities.</li> <li>• Understand detail working of Assembler, Macro and Macro Preprocessor, Compiler and linker &amp; Loader.</li> </ul>	<p><b>CS-601 Operating System</b></p> <ul style="list-style-type: none"> <li>• Know about functions and services of operating system.</li> <li>• Aware about different CPU scheduling algorithms</li> <li>• Get familiar with different memory management techniques.</li> <li>• Understand different disk and drum scheduling algorithms as well as deadlock concepts.</li> <li>• Get introductory knowledge about android operating system.</li> </ul>
<p><b>CS-502 Database Management System</b></p> <ul style="list-style-type: none"> <li>• Get aware of Describing &amp; storing data.</li> <li>• Know about E-R Model by overview of database design..</li> <li>• Get familiar with Conversion of ER to Relational model.</li> <li>• Know about functional dependency and Data Normalization.</li> <li>• Understand Database Implementations.</li> <li>• Make use of Concurrency control, Backup &amp; recovery for large or huge of databases.</li> <li>• Get aware about handling huge databases.</li> </ul>	<p>UG-CS-602):Relational Database Management Systems</p> <ul style="list-style-type: none"> <li>• Design E-R Model for given requirements and convert the same into database tables.</li> <li>• Use database techniques such as SQL &amp; PL/SQL.</li> <li>• Explain transaction Management in relational database System.</li> <li>• Use advanced database Programming concepts</li> </ul>
<p><b>CS-503 Software Engineering</b></p> <ul style="list-style-type: none"> <li>• Get aware of evaluation of software and Software Development Life Cycle (SDLC).</li> <li>• Know about Software Development Model.</li> </ul>	<p>UG-CS-603):<b>Computer Network</b></p> <ul style="list-style-type: none"> <li>• Understand applications of network, network structures and protocol hierarchy</li> <li>• Aware about details of physical, data link, network and transport layer of TCP/IP network model.</li> </ul>

## Department of Computer Science

T.Y.B. Sc. SEM – V	T.Y.B. Sc. SEM – VI
<ul style="list-style-type: none"> <li>• Get knowledge of Requirement Analysis and Specification in software engineering .</li> <li>• Learn use of Fact finding Techniques , Types of Requirement Modeling and Data Modeling Concepts.</li> <li>• Get knowledge of Design Concepts in software engineering.</li> <li>• Know about Cohesion &amp; Coupling , Decision Table &amp; Decision Tree, Data flow Diagram</li> <li>• Know about Software Coding &amp; Testing.</li> <li>• Get aware about Elements of Software Quality Assurance.</li> </ul>	<ul style="list-style-type: none"> <li>• Integrate PHP with MYSQL.</li> </ul>
<p><b>CS-504 Computer Aided Graphics</b></p> <ul style="list-style-type: none"> <li>• Differentiate between interactive and non interactive graphics.</li> <li>• Explore different line and circle drawing algorithms.</li> <li>• Perform 2D and 3D transformation on different images.</li> <li>• Know about detail working of image clipping and windowing.</li> <li>• Understand raster graphics and hidden surface elimination.</li> </ul>	<p><b>UG-CS-604 Theoretical Computer Science</b></p> <ul style="list-style-type: none"> <li>• Understand what is Push down Automata and its applications.</li> <li>• Understand concepts of Context free grammar and normalization of CFG.</li> <li>• Convert regular expression to Finite Automata.</li> <li>• Design Turing Machines for various applications like enumerator, function computer and universal Turing machine.</li> </ul>
<p>UG-CS-505)Python Programming – I</p> <p>Explain basic principles of Python programming language</p> <ul style="list-style-type: none"> <li>• Construct and apply various filters for a specific task.</li> <li>• Apply the best features of mathematics, engineering and natural sciences to program real life problems</li> </ul>	<p>UG-CS-605) Python Programming – II</p> <ul style="list-style-type: none"> <li>• Explain basic principles of Python programming language</li> <li>• Implement object oriented concepts, database applications.</li> <li>• Construct regular expressions for pattern matching and apply them to various filters fora specific task.</li> </ul>

## Department of Computer Science

- Design and implement Database Application and Content providers.
- Apply the best features of mathematics, engineering and natural sciences to programreal life problems

**Department of Computer Science**

<b>T.Y.B. Sc. SEM – V</b>	<b>T.Y.B. Sc. SEM – VI</b>
<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Understand about different aspects of network security like firewalls, IP security and VPNs.</li> <li>• Aware about attacks and Confidentiality used in cryptography.</li> </ul>
<p><b>UG-CS-506 B) JAVA Programming-I</b></p> <ul style="list-style-type: none"> <li>• Get knowledge JDK Environment.</li> <li>• Explore polymorphism using Function and Operator Overloading ,overriding .</li> <li>• Understand the different aspects of hierarchy of classes and their extensibility .</li> <li>• Understand the concepts of streams and files .</li> </ul> <p>Write programs for handling runtime errors using exception.</p>	<p><b>UG-CS-606B): JAVA Programming II</b></p> <p>Program using graphical user interface with Swing classes</p> <ul style="list-style-type: none"> <li>• Handle different kinds of events generated while handling GUI components</li> <li>• Create programs using menus and dialog boxes</li> <li>• Program to create applets</li> <li>• Understand advanced java concepts like JDBC, Java Beans</li> </ul>
<p><b>CS-Lab-507 Lab on System Programming</b></p> <ul style="list-style-type: none"> <li>• On completion of the course, students are able to develop system</li> </ul>	<p><b>CS-Lab-304 Lab on MS SQL Server</b></p> <ul style="list-style-type: none"> <li>• On completion of the course, students are able to develop database</li> </ul>

<b>T.Y.B. Sc. SEM – V</b>	<b>T.Y.B. Sc. SEM – VI</b>
<p>programs to provide basic applications for computing like line editor, interrupt handler, SMAC0 and lexical</p> <ul style="list-style-type: none"> <li>Analyzer.</li> </ul>	<p>management system using features and services provided by MS SQL Server</p>
<p><b>CS-Lab-508 Lab on Programming in VB.NET, Computer Aided Graphics</b></p> <ul style="list-style-type: none"> <li>On completion of the course, students are able to develop different programs for demonstrating different Computer graphics algorithms like circle, line drawing and clipping and filling as well as students can create dynamic web pages using VB.NET.</li> </ul>	<p><b>CS-Lab-607 Lab on Internet Programming using PHP</b></p> <ul style="list-style-type: none"> <li>On completion of the course, students are able to develop interactive static as well as dynamic websites.</li> </ul>
<p><b>Elective -A CS-Lab-509 A) Lab on Programming in C# and CS-Lab</b></p> <ul style="list-style-type: none"> <li>On completion of the course, students are able to develop programs using C# based on object oriented concepts and write the ROBUST, EXTENSIBLE and EFFICIENT</li> <li>Programs by using c# code and ASP.Net create dynamic web pages.</li> </ul> <p><b>Elective -B CS-Lab-509 B) Lab on JAVA Programming – I</b></p> <ul style="list-style-type: none"> <li>On completion of the course, students are able to develop efficient programs which provides graphical user interface for easy handling of computers using JAVA.</li> </ul>	<p><b>Elective -A CS-Lab-608 A) Lab on ASP.NET</b></p> <ul style="list-style-type: none"> <li>On completion of the course, students are able to develop programs using C# based on object oriented concepts and write the ROBUST, EXTENSIBLE and EFFICIENT Programs by using c# code and ASP.Net create dynamic web pages.</li> </ul> <p><b>Elective -B CS-Lab-609 B) Lab on JAVA Programming – II</b></p> <ul style="list-style-type: none"> <li>On completion of the course, students are able to develop efficient programs which provides graphical user interface for easy handling of computers using JAVA.</li> </ul>

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