

*Shri Sangameshwar Education Society, Solapur.  
Kannada Linguistic Minority Institute*

# **Sangameshwar College, Solapur.**

## **Autonomous**

*NAAC Accredited with 'A' Grade (III cycle CGPA 3.39)  
Affiliated to Purnyashlok Ahilyadevi Holkar Solapur University*

### **Course Outcomes (Cos), Programme Specific Outcomes (PSOs) and Programme Outcomes (POs)**

#### **Department of English**

<b>Course Title</b>	<b>Course Outcomes (Cos), Programme Specific Outcomes (PSOs)</b>
B.A. I Semester I English for Communication- I(AECC-I) (2011101)	<ul style="list-style-type: none"><li>• Use English effectively in both oral and written communication</li><li>• Appreciate literary beauty of the poems, stories and essays</li></ul>
B.A. I Semester II English for Communication- II(AECC-II) (2011201)	<ul style="list-style-type: none"><li>• Use English effectively in both oral and written communication</li><li>• Appreciate literary beauty of the poems, stories and essays</li></ul>
B.A. I Semester I SCIENCE TECHNOLOGY & DEVELOPMENT-I(2011105)	<ul style="list-style-type: none"><li>• The student will get enlightened with the contribution of science and technology in the development of humanity.</li><li>• The student will value the importance of scientific thinking.</li></ul>
B.A. I Semester II SCIENCE TECHNOLOGY & DEVELOPMENT-II(2011205)	<ul style="list-style-type: none"><li>• The student will get enlightened with the contribution of science and technology in the development of humanity.</li><li>• The student will value the importance of scientific thinking.</li></ul>
B.A. I Semester I Optional English-I (2011106) Introduction to English Literature- I	<ul style="list-style-type: none"><li>• Students will learn to appreciate different literary genre</li><li>• Appreciate the creativity in the text and the creative language</li><li>• Think creatively and critically</li><li>• Analyse the literary text for their literary characteristics</li><li>• Try to write creative writing through Micro fiction and short story</li></ul>
B.A. I Semester II Optional English-II (2011206) Title: Introduction to English	<ul style="list-style-type: none"><li>• Students will learn to appreciate different literary genre</li><li>• Appreciate the creativity in the text and the creative</li></ul>

Literature- II	<p>language</p> <ul style="list-style-type: none"> <li>• Think creatively and critically</li> <li>• Analyse the literary text for their literary characteristics</li> <li>• Try to write creative writing through Micro fiction and short story.</li> </ul>
B.A. II Semester III English for Communication COMPULSORY ENGLISH -III (2111301)	<ul style="list-style-type: none"> <li>• Use English language in day-to-day communication.</li> <li>• Appreciate and inculcate in themselves their dignity of labour.</li> <li>• Take efforts for sustainable environment development.</li> <li>• Implement human values in the personal and professional lives.</li> <li>• Display their self-reliance in day-to-day situations and work in team for effective ness.</li> <li>• Use their creativity and innovation for solving problems.</li> </ul>
B.A. II Semester IV English for Communication COMPULSORY ENGLISH -IV (2111401)	<ul style="list-style-type: none"> <li>• Use English language in day-to-day communication.</li> <li>• Appreciate and inculcate in themselves their dignity of labour.</li> <li>• Take efforts for sustainable environment development.</li> <li>• Implement human values in the personal and professional lives.</li> <li>• Display their self-reliance in day-to-day situations and work in team for effective ness.</li> <li>• Use their creativity and innovation for solving problems.</li> </ul>
B.A. II Semester III OPTIONAL ENGLISH IDS- II(2111322) Basics of Linguistics-I	<ul style="list-style-type: none"> <li>• Explain the basic concepts in Linguistics</li> <li>• Apply the knowledge of Linguistics in everyday communication.</li> <li>• Elucidate recent trends in Linguistics</li> <li>• Communicate with proper pronunciation</li> </ul>
B.A. II Semester IV OPTIONAL ENGLISH IDS- II(2111422) Basics of Linguistics-II	<ul style="list-style-type: none"> <li>• Explain the basic concepts in Linguistics</li> <li>• Apply the knowledge of Linguistics in everyday communication.</li> <li>• Elucidate recent trends in Linguistics</li> <li>• Communicate with proper pronunciation</li> </ul>
B.A. II Semester III DSC-III Group- D Optional English- III (2111302) Title: British Literature	<ul style="list-style-type: none"> <li>• Show their acquaintance with various trends and schools of British Literature.</li> <li>• Demonstrate their knowledge of the representative writers of British Literature.</li> <li>• Critically interpret and appreciate literary works.</li> <li>• Evaluate the genre 'Drama'.</li> <li>• Define Literary Terms and Concepts.</li> </ul>

<p>B.A. II Semester III DSC-IV Group- D Optional English- IV (2111303) Indian Writing in English</p>	<ul style="list-style-type: none"> <li>• Appreciate the diversity of modern literatures and the similarities between them.</li> <li>• Understand and creatively engage with the notion of nation and nationalism.</li> <li>• Appreciate the impact of literary movements on various Indian literatures.</li> <li>• Critically engage with significant social issues like caste and gender.</li> <li>• Understand the historical trajectories of Indian literatures.</li> </ul>
<p>B.A. II Semester IV DSC-V Group- D Optional English- V (2111402) Introduction to Language</p>	<ul style="list-style-type: none"> <li>• Identify the characteristics of language.</li> <li>• Exhibit their knowledge of animal communication system.</li> <li>• Give three term labels to speech sounds and do Phonemic transcription of words in English.</li> <li>• Identify the word formation process and do Morphological Analysis.</li> <li>• Differentiate between Semantics and Pragmatics.</li> <li>• Point out the violation of Cooperative Principle and arrive at the resultant Conversational Implicature.</li> </ul>
<p>B.A. II Semester IV DSC-VI Group- D Optional English- VI (2111403) Indian Writing in English</p>	<ul style="list-style-type: none"> <li>• Appreciate the diversity of modern literatures and the similarities between them</li> <li>• Understand and creatively engage with the notion of nation and nationalism</li> <li>• Appreciate the impact of literary movements on various Indian literatures.</li> <li>• Critically engage with significant social issues like caste and gender.</li> <li>• Understand the historical trajectories of Indian literatures.</li> </ul>
<p>B.Sc. I Semester I AECC-I English for Communication-I (2031101)</p>	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
<p>B.Sc. I Semester II AECC-II English for Communication-II (2031201)</p>	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
<p>B.Com. Accountancy I Semester I AECC1 English Compulsory P-I (Literary Voyage) 2021101</p>	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
<p>B.Com. Accountancy I Semester I</p>	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> </ul>

AECC1 English Compulsory P-I (Literary Voyage) 2021201	<ul style="list-style-type: none"> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.Com. Accountancy II Semester III AECC2 Optional English- III British Literature-III 2121301	<ul style="list-style-type: none"> <li>• Show their acquaintance with various trends and schools of British Literature.</li> <li>• Demonstrate their knowledge of the representative writers of British Literature.</li> <li>• Critically interpret and appreciate literary works.</li> <li>• Evaluate the genre 'Drama'.</li> <li>• Define Literary Terms and Concepts.</li> </ul>
B.Com. Accountancy II Semester IV AECC2 Optional English- IV (2121401) Indian Writing in English	<ul style="list-style-type: none"> <li>• Appreciate the diversity of modern literatures and the similarities between them.</li> <li>• Understand and creatively engage with the notion of nation and nationalism</li> <li>• Appreciate the impact of literary movements on various Indian literatures</li> <li>• Critically engage with significant social issues like caste and gender</li> <li>• Understand the historical trajectories of Indian literatures.</li> </ul>
B.Com. Marketing I Semester I AECC1 English Compulsory P-I (Literary Voyage) 2181101	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.Com. Marketing I Semester II AECC1 English Compulsory P II (Literary Voyage) 2181201	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.C.A I Semester I AECC-A English for Communication-I 2041101	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.C.A I Semester II AECC-B English for Communication-II 2041201	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.S. ECS I Semester I AECC-A English for Communication-I 2061101	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>

<p>B.S. ECS I Semester I AECC-B English for Communication-I 2061201</p>	<ul style="list-style-type: none"> <li>• Use English effectively in both oral and written communication</li> <li>• Appreciate literary beauty of the poems, stories and essays.</li> </ul>
<p>M.A. PSOs</p>	<ul style="list-style-type: none"> <li>• Communicate effectively in spoken and written English.</li> <li>• Critically evaluate and appreciate literary discourses.</li> <li>• Analyze the structure and function of English language.</li> <li>• Enhance his/her employability by applying his/her knowledge and expertise in verbal ability effectively.</li> <li>• Exhibit character traits comprising of universal values which</li> <li>• will help him/her lead an effective and happy life.</li> <li>• Create literary pieces which will add value to human existence.</li> </ul>
<p>M.A. I Semester I HCT 1.1 British Literature- I (2014101)</p>	<ul style="list-style-type: none"> <li>• Students will be able to relate the text to the context and understand the importance of cultural issues.</li> <li>• Students will be able to recognize the major trends and schools in British Literature.</li> <li>• Students will exhibit the ability to understand, enjoy and appreciate great literary works in English with critical judgment.</li> </ul>
<p>M.A. I Semester I HCT 1.2 Indian English Literature- I (2014102)</p>	<ul style="list-style-type: none"> <li>• At the end of the course the students will get acquainted with later phases of development of Indian English Literature and familiarized with Indian ethos as reflected in texts prescribed.</li> <li>• 2. At post-graduation level, students will enjoy reading of a number of authors and important literary genres as practiced by select Indian English figures.</li> <li>• 3. As planned while designing the syllabus of this paper, students will get acquainted with thematic plurality, genres handled and style reflected in seminal texts of poetry, fiction drama and nonfiction.</li> </ul>
<p>M.A. I Semester I HCT 1.3 Introductions to Language and Linguistics-I (2014103)</p>	<ul style="list-style-type: none"> <li>• To develop an interest in language studies among students</li> <li>• To acquaint the students with language as a mechanism and linguistic theories</li> <li>• To introduce the basic concepts in linguistics to the students</li> <li>• To introduce students the various branches of</li> </ul>

	linguistics.
M.A. I Semester I DSC 1.1 Literatures in English- I (2014104)	<ul style="list-style-type: none"> <li>• The learners learn to appreciate and enjoy the aesthetics in different English literatures in the world.</li> <li>• One understands the life philosophy through the understandings of the author.</li> <li>• He undertakes the comparative study of different literatures. The learner will develop interest into world classics.</li> <li>• Understanding the culture of different country in the globalized scenario of the world is possible</li> </ul>
M.A. I Semester I SCT (DSE) 1.1 A English for Competitive Examinations (2014106)	<ul style="list-style-type: none"> <li>• The aspirants will be able to apply their knowledge of English to crack different competitive</li> <li>• exams</li> <li>• The students will understand the techniques of attempting English papers in different competitive exams</li> <li>• The students will be able to use English in their career</li> </ul>
M.A. I Semester I SCT (DSE) 1.2 B Communicative English ( )	<ul style="list-style-type: none"> <li>• Communicate effectively in their day to day life</li> <li>• Enhance their employability prospects</li> <li>• Use their oral and written communication skills effectively in their career</li> </ul>
M.A. I Semester II HCT 1.1 British Literature- II (2014201)	<ol style="list-style-type: none"> <li>1. Students will be able to relate the text to the context and understand the importance of cultural issues.</li> <li>2. Students will be able to recognize the major trends and schools in British Literature.</li> <li>3. Students will exhibit the ability to understand, enjoy and appreciate great literary works in English with critical judgment.</li> </ol>
M.A. I Semester II HCT 1.2 Indian English Literature- II (2014202)	<ol style="list-style-type: none"> <li>1. At the end of the course the students will get acquainted with later phases of development of Indian English Literature and familiarized with Indian ethos as reflected in texts prescribed.</li> <li>2. At post-graduation level, students will enjoy reading of a number of authors and important literary genres as practiced by select Indian English figures.</li> <li>3. As planned while designing the syllabus of this paper, students will get acquainted with thematic plurality, genres handled and style reflected in seminal texts of poetry, fiction drama and nonfiction.</li> </ol>
M.A. I Semester II DSC 1.1 Literatures in English (2014204)	The learners learn to appreciate and enjoy the aesthetics in different English literatures in the world. One understands the life philosophy through the understandings of the author. He undertakes the

	comparative study of different literatures. The learner will develop interest into world classics. Understanding the culture of different country in the globalized scenario of the world is possible.
M.A. I Semester II OET 1.1 Enhancing Soft Skills (2014206)	<ul style="list-style-type: none"> <li>• The linguistic and other important competence of the students will improve.</li> <li>• Critical thinking, teamwork and creativity among students will increase.</li> <li>• There will be development in the overall personality of the students.</li> <li>• Employability of the students will be enhanced</li> </ul>
M.A. I Semester II OET 1.2 Functional English ( )	<ul style="list-style-type: none"> <li>• Understand entrepreneurial skills · Write research proposals and various reports · Apply for various career options</li> <li>• Have a number of career opportunities in various fields</li> <li>• Use proper language required for media · Start with their career as freelancer</li> </ul>
M.A. I Semester II SEC Presentation Skills	<ul style="list-style-type: none"> <li>• Present themselves confidently</li> <li>• Present the topic concerned logically and effectively</li> <li>• Face Online &amp; Offline audience</li> <li>• Communicate effectively by influencing the audience by their presentation</li> </ul>
M.A. II Semester III HCT 1.1 Contemporary Critical Theories-I (2114301)	<ul style="list-style-type: none"> <li>• Demonstrate their understanding of the major Critical Theories of the 20th Century.</li> <li>• Differentiate between various critical approaches to literature and apply them practically.</li> <li>• Critically appreciate the texts of various theorists.</li> <li>• Use the important critical terms and concepts for critical appreciation of various Discourses.</li> </ul>
M.A. II Semester III HCT 1.2 Postcolonial Literature-I (2114302)	<ul style="list-style-type: none"> <li>• Demonstrate their knowledge of Postcolonial Literature and its representative writers.</li> <li>• Identify and evaluate the effects of the process of colonialism on various cultures and societies.</li> <li>• Bring to the fore and analyze the interplay between the colonizers and the Colonized in the representative texts.</li> <li>• Read and critically appreciate the postcolonial texts.</li> </ul>
M.A. II Semester III HCT 1.3 Research Methodology-I (2114303)	<ul style="list-style-type: none"> <li>• Demonstrate their knowledge and understanding of Research Methodology.</li> <li>• Illustrate the characteristics and significance of research through their research projects.</li> <li>• Differentiate between various types of research and exhibit their understanding of research designs and</li> </ul>

	<p>techniques.</p> <ul style="list-style-type: none"> <li>• Apply the process and tools of research to their research projects.</li> <li>• Adhere to the ethical practices while conducting research.</li> </ul>
<p>M.A. II Semester III SCT 1.1 19th Century American Literature (2114304)</p>	<ul style="list-style-type: none"> <li>• Demonstrate their understanding of 19th and 20th century American history, culture, tradition and the background in the shaping of the American Literature.</li> <li>• Show their acquaintance with the classics in American and Black Literature.</li> <li>• Critically appreciate the representative texts.</li> <li>• Exhibit their knowledge of the trends and movements that shaped the American Literature.</li> </ul>
<p>M.A. II Semester III SCT 1.2 Cultural Studies ()</p>	<ul style="list-style-type: none"> <li>• Show their knowledge the various aspects of cultural studies.</li> <li>• Demonstrate their enhanced understanding of various cultures.</li> <li>• Critically appreciate various texts in the light of Cultural Studies.</li> <li>• Exhibit their understanding of the holistic approach to human existence</li> </ul>
<p>M.A. II Semester III OET 1.1 21st Century Skills (2114306)</p>	<ul style="list-style-type: none"> <li>• Approach learning from new angle.</li> <li>• Develop Soft Skills essential for the present era.</li> <li>• Develop skills of auto learning.</li> </ul>
<p>M.A. II Semester III OET 1.2 Introduction to Film Studies (---- ---)</p>	<ul style="list-style-type: none"> <li>• Demonstrate basic understanding of film theory and film history.</li> <li>• Identify significant movement's articulate key concepts and develop knowledge base of film genres.</li> <li>• Analyze the relationship between film forms and cultural contexts.</li> <li>• Demonstrate film producing skills</li> </ul>
<p>M.A. II Semester IV SCT 1.2 B Functional English (2114407)</p>	<ol style="list-style-type: none"> <li>1. Communicate effectively in English.</li> <li>2. Show proficiency in Academic Writing in English.</li> <li>3. Use English appropriately in social media.</li> <li>4. Demonstrate effective Presentation Skills.</li> <li>5. Prove themselves as proficient English Teachers in future.</li> </ol>
<p>M.A. II Semester IV HCT 1.1 Contemporary Critical Theories- II (2114401)</p>	<ol style="list-style-type: none"> <li>1. Demonstrate their understanding of the major Critical Theories of the 20<sup>th</sup> Century.</li> <li>2. Differentiate between various critical approaches to literature and apply them practically.</li> <li>3. Critically appreciate the texts of various theorists.</li> </ol>

	4. Use the important critical terms and concepts for critical appreciation of various Discourses.
M.A. II Semester IV HCT 1.2 Postcolonial Literature-II (2114402)	<ul style="list-style-type: none"> <li>• Demonstrate their knowledge of Postcolonial Literature and its representative writers.</li> <li>• Identify and evaluate the effects of the process of colonialism on various cultures and societies.</li> <li>• Bring to the fore and analyze the interplay between the colonizers and the Colonized in the representative texts.</li> <li>• Read and critically appreciate the postcolonial texts.</li> </ul>
M.A. II Semester IV HCT 1.3 Research Methodology-II (2114403)	<ul style="list-style-type: none"> <li>• Demonstrate their knowledge and understanding of Research Methodology.</li> <li>• Illustrate the characteristics and significance of research through their research projects.</li> <li>• Differentiate between various types of research and exhibit their understanding of research designs and techniques.</li> <li>• Apply the process and tools of research to their research projects.</li> <li>• Adhere to the ethical practices while conducting research.</li> </ul>
M.A. II Semester IV SCT 1.1 A 20th Century American Literature (2114404)	<ul style="list-style-type: none"> <li>• Demonstrate their understanding of 19th and 20th century American history, culture, tradition and the background in the shaping of the American Literature.</li> <li>• Show their acquaintance with the classics in American and Black Literature.</li> <li>• Critically appreciate the representative texts.</li> <li>• Exhibit their knowledge of the trends and movements that shaped the American Literature.</li> </ul>
M.A. II Semester IV SCT 1.2 B Cultural Studies (-----)	<ul style="list-style-type: none"> <li>• Demonstrate their understanding of Gender issues and Feminist theories.</li> <li>• Exhibit their knowledge about the concept of Youth and its related concepts.</li> <li>• Critically evaluate the projection of Gender in Media.</li> <li>• Exhibit their sensitivity to Gender and Human Rights.</li> </ul>
M.A. II Semester IV SCT 1.2 B Functional English (2114407)	<ul style="list-style-type: none"> <li>• Communicate effectively in English.</li> <li>• Show proficiency in Academic Writing in English.</li> <li>• Use English appropriately in social media.</li> <li>• Demonstrate effective Presentation Skills.</li> <li>• Prove themselves as proficient English Teachers in future.</li> </ul>

## Department of Hindi

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
<p><b>B.A. I Semester I</b> आवश्यकहिंदी (Compulsory Hindi) (2011103)</p>	<ul style="list-style-type: none"> <li>● इसपाठ्यक्रमके माध्यमसे सीखने सिखाने की प्रक्रिया में हिंदी भाषाके आरंभिकस्तरसे अबतकके बदलते रूपोंकी जानकारी प्राप्तकी जासकेगी।</li> <li>● भाषाके सैद्धांतिकरूपके साथ साथ व्यवहारिक पक्षकोभी जाना जासकेगा।</li> <li>● उच्चशैक्षिकस्तरपर हिंदीभाषाके सप्रकार महत्वपूर्णभूमिका निभासकती है इससे संबंधित परिणामको प्राप्तकिया जा सकेगा।</li> <li>● छात्र अपनी भाषाको सीखनेकी प्रक्रियामें भाषागतमूल्योंको व्यवहारिकरूपसे भी जानसकेंगे।</li> <li>● साहित्यके सौंदर्य, कलाबोधके साथ वैचारिकमूल्यों को बढ़ावा देना।</li> <li>● साहित्यकी विधाओंके माध्यमसे विद्यार्थीकी रचनात्मकताको दिशा देना। कविता, कहानी जैसी विधाओंद्वारा विद्यार्थीकी रचनात्मकताको प्रोत्साहित करना।</li> <li>● साहित्यविवेकका निर्माण करना।</li> <li>● सीखनेकी प्रक्रियामें इसपाठ्यक्रम में हिंदीभाषादक्षता को मजबूती देना है।</li> </ul>
<p><b>B.A. I Semester II</b> आवश्यकहिंदी (Compulsory Hindi)(2011203)</p>	<ul style="list-style-type: none"> <li>● इसपाठ्यक्रमके माध्यमसे सीखने सिखाने की प्रक्रिया में हिंदी भाषाके आरंभिकस्तरसे अबतकके बदलते रूपोंकी जानकारी प्राप्तकी जासकेगी।</li> <li>● भाषाके सैद्धांतिकरूपके साथ साथ व्यवहारिक पक्षकोभी जाना जासकेगा।</li> <li>● उच्चशैक्षिकस्तरपर हिंदीभाषाके सप्रकार महत्वपूर्णभूमिका निभासकती है इससे संबंधित परिणामको प्राप्तकिया जा सकेगा।</li> <li>● छात्र अपनी भाषाको सीखनेकी प्रक्रियामें भाषागतमूल्योंको व्यवहारिकरूपसे भी जानसकेंगे।</li> <li>● साहित्यके सौंदर्य, कलाबोधके साथ वैचारिकमूल्यों को बढ़ावा देना।</li> <li>● साहित्यकी विधाओंके माध्यमसे विद्यार्थीकी रचनात्मकताको दिशा देना। कविता, कहानी जैसी विधाओंद्वारा विद्यार्थीकी रचनात्मकताको प्रोत्साहित करना।</li> <li>● साहित्यविवेकका निर्माण करना।</li> <li>● सीखनेकी प्रक्रियामें इसपाठ्यक्रम में हिंदीभाषादक्षता को मजबूती देना है।</li> </ul>
<p><b>B.A. I Semester I</b> Optional Hindi-I (2011108) ऐच्छिकहिंदी - साहित्यरत्न</p>	<ul style="list-style-type: none"> <li>● इसपाठ्यक्रमके माध्यमसे सीखने सिखाने की प्रक्रिया में हिंदी भाषाके आरंभिकस्तरसे अबतकके बदलते रूपोंकी जानकारी प्राप्तकी जासकेगी।</li> <li>● भाषाके सैद्धांतिकरूपके साथ साथ व्यवहारिक पक्षकोभी जाना जासकेगा।</li> <li>● उच्चशैक्षिकस्तरपर हिंदीभाषाके सप्रकार महत्वपूर्णभूमिका निभासकती है इससे संबंधित परिणामको प्राप्तकिया जा सकेगा।</li> <li>● छात्र अपनी भाषाको सीखनेकी प्रक्रियामें भाषागतमूल्योंको व्यवहारिकरूपसे भी जानसकेंगे।</li> <li>● साहित्यके सौंदर्य, कलाबोधके साथ वैचारिकमूल्यों को बढ़ावा देना।</li> <li>● साहित्यकी विधाओंके माध्यमसे विद्यार्थीकी रचनात्मकताको दिशा देना।</li> </ul>

	<p>कविता, कहानी जैसी विधाओंद्वारा विद्यार्थीकी रचनात्मकताको प्रोत्साहितकरना।</p> <ul style="list-style-type: none"> <li>● साहित्यविवेकका निर्माणकरना।</li> <li>● सीखनेकीप्रक्रियामें इसपाठ्यक्रम में हिंदीभाषादक्षता को मजबूतीदेनाहै।</li> </ul>
<p><b>B.A. I Semester II</b>  <b>Optional Hindi-II (2011208) -</b>  साहित्यरत्न</p>	<ul style="list-style-type: none"> <li>● इसपाठ्यक्रमके माध्यमसे सीखने सिखाने कीप्रक्रिया मेंहिंदी भाषाके आरंभिकस्तरसे अबतकके बदलतेरूपोंकी जानकारी प्राप्तकी जासकेगी।</li> <li>● भाषाके सैद्धांतिकरूपके साथ साथ व्यवहारिक पक्षकोभी जानाजासकेगा।</li> <li>● उच्चशैक्षिकस्तरपर हिंदीभाषाकि सप्रकार महत्वपूर्णभूमिका निभासकतीहै इससेसंबंधित परिणामको प्राप्तकियाजा सकेगा।</li> <li>● छात्र अपनी भाषाको सीखनेकीप्रक्रियामें भाषागतमूल्योंको व्यवहारिकरूपसे भी जानसकेंगे।</li> <li>● साहित्यके सौंदर्य, कलाबोधकेसाथ वैचारिकमूल्यों कोबढ़ावादेना।</li> <li>● साहित्यकी विधाओंके माध्यमसे विद्यार्थीकी रचनात्मकताको दिशादेना।</li> <li>● कविता, कहानी जैसी विधाओंद्वारा विद्यार्थीकी रचनात्मकताको प्रोत्साहितकरना।</li> <li>● साहित्यविवेकका निर्माणकरना।</li> <li>● सीखनेकीप्रक्रियामें इसपाठ्यक्रम में हिंदीभाषादक्षता को मजबूतीदेनाहै।</li> </ul>
<p><b>B.A. II Semester III</b>  <b>DSC-III Group: D</b>  Paper No-III प्रश्न पत्र क्रमांक -3  <b>Title of Paper-<i>Aadhunik Hindi Gady: khani Ev Vyavharik Hindi</i> (2111308)</b>  प्रश्न पत्र का नाम :आधुनिक हिंदी गद्य :कहानी एवं व्यावहारिक हिंदी</p>	<ul style="list-style-type: none"> <li>● आधुनिक हिंदी कहानियों से छात्र परिचित हो जाते है  </li> <li>● समकालीन परिवेश एवं जीवन यतार्थ से छात्र परिचित हो जाते है  </li> <li>● छात्र आधुनिकता बोध और नए जीवन मूल्यों से परिचित हो जाते है  </li> <li>● छात्र कहानी कला तथा एकांकी के विकास से परिचित हो जाते है  </li> </ul>
<p><b>B.A. II Semester III</b>  <b>DSC-IV Group: D</b>  Paper No- IV प्रश्नपत्र क्रमांक -4  <b>Title of Paper- <i>Madhyayugin Hindi Kavy Vyakaran avn Lekhan</i> (2111309)</b>  प्रश्नपत्र का नाम- मध्ययुगीन हिंदी काव्य, व्याकरण एवं लेखन</p>	<ul style="list-style-type: none"> <li>● उत्तर मध्यकालीन कविता का अध्ययन समयावधि के साहित्य स्थिति से अवगत कराएगा।</li> <li>● सामाजिक, राजनीतिक, सांस्कृतिक पृष्ठभूमि में कविता के अध्ययन विश्लेषण की जानकारी देगा।</li> </ul>
<p><b>B.A. II Semester IV</b>  <b>DSC-V Group: D</b>  Paper No-5 प्रश्न पत्र क्रमांक -5  <b>Title of Paper- <i>Aadhunik Hindi Gady Ekanki Ev Vyavharik Hindi</i> (2111408)</b>  प्रश्न पत्र का नाम :आधुनिक हिंदी गद्य :एकांकी एवं व्यावहारिक हिंदी</p>	<ul style="list-style-type: none"> <li>● आधुनिक हिंदी कहानियों से छात्र परिचित हो जाते है  </li> <li>● समकालीन परिवेश एवं जीवन यतार्थ से छात्र परिचित हो जाते है  </li> <li>● छात्र आधुनिकता बोध और नए जीवन मूल्यों से परिचित हो जाते है  </li> <li>● छात्र कहानी कला तथा एकांकी के विकास से परिचित हो जाते है  </li> </ul>
<p><b>B.A. II Semester IV</b>  <b>DSC-VI Group: D</b>  Paper No- VI प्रश्नपत्र क्रमांक -6  <b>Title of Paper- <i>Aadhunik Hindi Kavy,</i></b></p>	<ul style="list-style-type: none"> <li>● विभिन्न अस्मिताओं और समस्याओं के परिवेश को समझेगा।</li> <li>● आधुनिक हिंदी कवियों का परिचय होगा।</li> <li>● आधुनिक कविता की समझ विकसित होगी।</li> </ul>

<p><i>Vyakaran avn Lekhan</i> (2111409) प्रश्नपत्र का नाम- आधुनिक हिंदी काव्य, व्याकरण एवं लेखन</p>	<ul style="list-style-type: none"> <li>● कविता के वाचन,लेखन, विश्लेषण और परिवेश की समझ विकसित होगी।</li> </ul>
<p>M.A. I Semester I Title of the Paper- Hard Core Compulsory Paper HCT १.१ AADHUNIK HINDI GADY (2024101)</p>	<ul style="list-style-type: none"> <li>● हिंदी गद्य साहित्य से छात्र परिचित हो जाते हैं</li> <li>● छात्र हिंदी गद्य साहित्य की विविध विधाओं का अध्ययन करते हैं।</li> <li>● छात्रों में हिंदी गद्य विधा में रुचि पैदा होती है।</li> <li>● छात्र तत्कालीन भारतीय सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं।</li> </ul>
<p>M.A. I Semester I Title of the Paper- Hard Core Compulsory Paper HCT १.२ BHASHA VIDNYAN (2024102)</p>	<ul style="list-style-type: none"> <li>● भाषा और भाषा विज्ञान के संदर्भ में जानकारी प्राप्त होती है।</li> <li>● रूप विज्ञान से परिचय होता है।</li> <li>● वाक्य निर्मिति प्रक्रिया जान सकते हैं।</li> <li>● अर्थ विज्ञान को समझ सकते हैं।</li> </ul>
<p>M.A. I Semester I Title of the Paper- Hard Core Compulsory Paper HCT १.३ PRYOJANMULAK HINDI (2024103)</p>	<ul style="list-style-type: none"> <li>● कामकाजी हिंदी से परिचित हो जाते हैं।</li> <li>● भाषा के विभिन्न रूपों से परिचित होते हैं।</li> <li>● राजभाषा की संविधानिक स्थिति से परिचित होते हैं।</li> <li>● कार्यालय में प्रयुक्त हिंदी से अवगत होते हैं।</li> <li>● पारिभाषिक शब्दावली से परिचित होते हैं।</li> </ul>
<p>M.A. I Semester I Title of the Paper- Hard Core Compulsory Paper 4 DSE 1.2 - VYAWASAYIK WARG A PATRKARITA – I (2024105) प्रश्नपत्र का नाम- व्यावसायिक वर्ग (A) - पत्रकारिता)</p>	<ul style="list-style-type: none"> <li>● पत्रकारिता साहित्य से छात्र परिचित हो जाते हैं</li> <li>● पत्रकारिता साहित्य की विविध विधाओं का अध्ययन करते हैं।</li> <li>● छात्रों में पत्रकारिता विधा में रुचि पैदा होती है।</li> <li>● छात्र तत्कालीन भारतीय सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं।</li> </ul>
<p>M.A. I Semester I SCT (B) 1.1 प्रश्नपत्र क्रमांक 1.1 HINDI BHASHA SHIKSHAN (2024106) प्रश्नपत्र का नाम हिंदी भाषा शिक्षण</p>	<ul style="list-style-type: none"> <li>● हिंदी भाषा और शिक्षण से छात्रों में रुचि उत्पन्न होती है।</li> <li>● भाषा - शिक्षा से सामाजिक, सांस्कृतिक, वैश्विक बहुजता से परिचित होते हैं।</li> <li>● हिंदी भाषा-शैक्षिक प्रक्रिया से अवगत होते हैं।</li> <li>● आधुनिक यांत्रिक व्यावहारिक आदि आयामों से अवगत होते हैं।</li> </ul>
<p>M.A. I Semester I Soft Core B (Any one) Optional Paper SCT (B) 1.2 Anuvad प्रश्नपत्र का नाम: अनुवाद</p>	<ul style="list-style-type: none"> <li>● अनुवाद के सैध्दांतिक पक्ष से परिचित होंगे।</li> <li>● विभिन्न क्षेत्रों में किये जानेवाले अनुवाद की जानकारी हो जाएगी।</li> <li>● अनुवाद की सामाजिक उपादेयता को जानेंगे।</li> <li>● अनुवाद में रोजगार के क्षेत्रों की जानकारी होगी।</li> </ul>
<p>M.A. I Semester II Hard Core Compulsory Paper HCT 1.3 SANGANAKIY HINDI EVAM VYAWAHARIK HINDI (2024203) प्रश्नपत्र का नाम संगणकीय हिंदी एवं व्यावहारिक हिंदी</p>	<ul style="list-style-type: none"> <li>● संगणक में हिंदी के अनुप्रयोग से अवगत हो जाते हैं।</li> <li>● मुद्रित माध्यम के सैध्दांतिक पक्ष से परिचित होते हैं।</li> <li>● इलेक्ट्रॉनिक माध्यम रेडियो के लिए लेखन से अवगत होते हैं।</li> <li>● टेलिविजन की जानकारी देते हुए उसमें जानेवाले लेखन से परिचित हुए हैं।</li> </ul>
<p>M.A. I Semester II Soft Core A (Any one) Optional Paper SCT (A) 1.1 Sahitiyk Varg Vishesh Ranchnakar Surkant Tripathi Nirala</p>	<ul style="list-style-type: none"> <li>● सूर्यकांत त्रिपाठी निराला के कृतित्व समझ सकते हैं।</li> <li>● सूर्यकांत त्रिपाठी निराला की कविता के अन्तरंग से अवगत हुए हैं।</li> <li>● 'अनामिका' काव्य संकलन के कविताओं से परिचित हो सकते हैं।</li> <li>● 'नये पत्ते' काव्य संकल्पन की कविताओं से परिचित हो सकते हैं।</li> </ul>

<p>प्रश्नपत्र का नाम साहित्यिक वर्ग (विशेष रचनाकार) : सूर्यकांत त्रिपाठी 'निराला'</p>	<ul style="list-style-type: none"> <li>• निराला की जनवादी दृष्टि से परिचित हो सकते हैं।</li> </ul>
<p>M.A. I Semester II Soft Core A (Any one) Optional Paper SCT (A) 1.2 VYAWASAYIK WARG A PATRKARITA – II (2024205) प्रश्नपत्र का नाम व्यवसायिक वर्ग (A) – पत्रकारिता – II</p>	<ul style="list-style-type: none"> <li>• प्रिंट पत्रकारिता और मुद्रण कला के संदर्भ जानकारी प्राप्त करते हैं।</li> <li>• मुक्त प्रेस, प्रसार भारती, सूचना प्रौद्योगिकी, प्रेस कानून के बारे में जानते हैं।</li> <li>• हिंदी के प्रमुख समाचार पत्र एवं पत्रिकाओं से अवगत होते हैं।</li> <li>• रेडियो तथा दूरदर्शन इन माध्यमों से परिचित होते हैं।</li> <li>• भारतीय संविधान में प्रदत्त मौलिक अधिकार, सूचना और मानवाधिकार के बारे में जानते हैं।</li> </ul>
<p>M.A. I Semester II OET 1.1 प्रश्नपत्र क्रमांक 1.1 Bhartiya Sahitya (2024206) प्रश्न पत्र का नाम भारतीय साहित्य है</p>	<ul style="list-style-type: none"> <li>• भारतीय साहित्य की अवधारणा से अवगत होते हैं।</li> <li>• भारतीय साहित्य की विशेषताएँ एवं अध्ययन में आनेवाले समस्याओं से रूबरू होते हैं।</li> <li>• भारतीय साहित्य की कुछ प्रतिनिधिक रचनाओं का अध्ययन करते हैं।</li> <li>• भारतीय संस्कृति एवं समाज जीवन को समझते हैं।</li> </ul>
<p>M.A. I Semester II Generic Elective (Any one) Optional Paper OET 1.2 HINDI SAHITYA AUR CINEMA (2024207) प्रश्नपत्र का नाम हिंदी साहित्य और सिनेमा</p>	<ul style="list-style-type: none"> <li>• हिंदी साहित्य एवं सिनेमा से छात्र परिचित होते हैं।</li> <li>• हिंदी सिनेमा के स्वरूप को समझते हैं।</li> <li>• सिनेमा की निर्मित प्रक्रिया से परिचित होते हैं।</li> <li>• हिंदी साहित्यिक कृतियों के फिल्ममांतरण की प्रक्रिया से अवगत होते हैं।</li> </ul>
<p>M.A. II Semester III Title of the Paper- Hard Core Compulsory Paper 5 HCT 1.1 - ADHUNIK HINDI KAVYA – I (2124301) प्रश्नपत्र का नाम- आधुनिक हिंदी काव्य – I</p>	<ul style="list-style-type: none"> <li>• हिंदी गद्य साहित्य से छात्र परिचित हो जाते हैं।</li> <li>• छात्र हिंदी गद्य साहित्य की विविध विधाओं का अध्ययन करते हैं।</li> <li>• छात्रों में हिंदी गद्य विधामें रूची पैदा होती है।</li> <li>• छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं।</li> </ul>
<p>M.A. II Semester III Title of the Paper- Hard Core Compulsory Paper 6 HCT 1.2 - KAVYASHASTR EVAM SAHITYALOCHAN – I (2124302) प्रश्नपत्र का नाम- काव्यशास्त्र एवं साहित्यालोचन - I</p>	<ul style="list-style-type: none"> <li>• छात्र हिंदी काव्यशास्त्र से अवगत होते हैं।</li> <li>• छात्र हिंदी काव्यशास्त्र के विविध आयामों से परिचित होते हैं।</li> <li>• छात्रों में काव्यशास्त्र के बारे में रूचि होती है।</li> <li>• छात्र काव्यशास्त्र के विविध संकल्पनाओं को समझते हैं।</li> </ul>
<p>M.A. II Semester III Title of the Paper- Hard Core Compulsory Paper 6 HCT 1.3 - HINDI SAHITYA KA ITIHAS – I (2124303) प्रश्नपत्र का नाम- हिंदी साहित्य का इतिहास – I</p>	<ul style="list-style-type: none"> <li>• छात्र हिंदी साहित्य के प्रती जागरूक होते हैं।</li> <li>• छात्र हिंदी साहित्य के विविध वादों से परिचित होते हैं।</li> <li>• छात्रों में हिंदी साहित्य के प्रती रूची पैदा होती है।</li> <li>• छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं।</li> </ul>
<p>M.A. II Semester III Title of the Paper- DSE (Discipline Specifice Elicective) A (Any One) Optional (2124304) DCE 1.1 - Bharatiya Sahitya</p>	<ul style="list-style-type: none"> <li>• छात्र हिंदी साहित्य के विविध विधाओं से परिचित होते हैं।</li> <li>• छात्र हिंदी साहित्य से परिचित होते हैं।</li> <li>• छात्रों में हिंदी गद्य विधामें रूची पैदा होती है।</li> </ul>

<p>प्रश्नपत्र का नाम- साहित्यिक वर्ग -ग भारतीय साहित्य</p>	<ul style="list-style-type: none"> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश हो जाते हैं  </li> </ul>
<p>M.A. II Semester III Title of the Paper- DSE (Discipline Specific Elective) A (Any One) Optional DCE 1.2 - SAHITYIK WARG-C PARCHIN EVAM MADHYAKALIN KAVYA-I (2124305) प्रश्नपत्र का नाम- साहित्यिक वर्ग क : प्राचीन एवं मध्यकालीन काव्य - I</p>	<ul style="list-style-type: none"> <li>छात्र प्राचीन गद्य साहित्य से परिचित होते हैं  </li> <li>छात्र में मध्यकालीन संत साहित्य के बारे में रूचि पैदा होती है  </li> <li>छात्रों में हिंदी संत के प्रति आत्मीय भाव निर्माण होता है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं  </li> </ul>
<p>M.A. II Semester III Title of the Paper- Soft Core B (Any One) Optional OET 1.1 - ANUVAD: SIDHANT AUR PRAYOG – I (2124306) प्रश्नपत्र का नाम- अनुवाद: सिद्धांत और प्रयोग – I</p>	<ul style="list-style-type: none"> <li>छात्र अनुवाद साहित्य से परिचित होते हैं  </li> <li>छात्र अनुवाद के क्षेत्र में परिपूर्ण हो जाते हैं  </li> <li>छात्रों में हिंदी अनुवाद के प्रति रूचि पैदा होती है  </li> </ul>
<p>M.A. II Semester III Title of the Paper- Soft Core B (Any One) Optional OET 1.2 - Natak aur Rangmanch प्रश्नपत्र का नाम- नाटक और रंगमंच</p>	<ul style="list-style-type: none"> <li>छात्र हिंदी नाटक से परिचित होते हैं  </li> <li>छात्रों में हिंदी नाटक विधा के बारे में आत्मिय भाव पैदा होता है  </li> <li>छात्रों में हिंदी नाटक विधामें रूचि पैदा होती है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं  </li> </ul>
<p>M.A. II Semester IV Title of the Paper- Hard Core Compulsory Paper 5 HCT 1.1 - ADHUNIK HINDI KAVYA – II – (2124401) प्रश्नपत्र का नाम- आधुनिक हिंदी काव्य - II</p>	<ul style="list-style-type: none"> <li>हिंदी गद्य साहित्य से छात्र परिचित हो जाते हैं  </li> <li>छात्र हिंदी गद्य साहित्य की विविध विधाओं का अध्ययन करते हैं  </li> <li>छात्रों में हिंदी गद्य विधामें रूचि पैदा होती है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं  </li> </ul>
<p>M.A. II Semester IV Title of the Paper- Hard Core Compulsory Paper HCT 1.2 - KAVAYASHASTR EVAM SAHITYALOCHAN – II (2124402) प्रश्नपत्र का नाम- काव्यशास्त्र एवं साहित्यालोचन – II</p>	<ul style="list-style-type: none"> <li>छात्र हिंदी काव्यशास्त्र से अवगत होते हैं  </li> <li>छात्र हिंदी काव्यशास्त्र के विविध आयामों से परिचित होते हैं  </li> <li>छात्रों में काव्यशास्त्र के बारे में रूचि होती है  </li> <li>छात्र काव्यशास्त्र के विविध संकल्पनाओं को समझते हैं  </li> </ul>
<p>M.A. II Semester IV Title of the Paper- Hard Core Compulsory Paper 6 HCT 1.3 - HINDI SAHITYA KA ITIHAS – II – (2124403) प्रश्नपत्र का नाम- हिंदी साहित्य का इतिहास - II</p>	<ul style="list-style-type: none"> <li>छात्र हिंदी साहित्य के प्रति जागरूक होते हैं  </li> <li>छात्र हिंदी साहित्य के विविध वादों से परिचित होते हैं  </li> <li>छात्रों में हिंदी साहित्य के प्रति रूचि पैदा होती है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं  </li> </ul>

<p>M.A. II Semester IV Title of the Paper- DSE (Discipline Specific Elective) A (Any One) Optional (2124404) DCE 1.1 - Bharatiya Sahitya प्रश्नपत्र का नाम- साहित्यिक वर्ग -ग भारतीय साहित्य</p>	<ul style="list-style-type: none"> <li>छात्र हिंदी साहित्य के विविध विधाओं से परिचित होते हैं  </li> <li>छात्र हिंदी साहित्य से परिचित होते हैं  </li> <li>छात्रों में हिंदी गद्य विधामें रूची पैदा होती है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश हो जाते हैं  </li> </ul>
<p>M.A. II Semester IV Title of the Paper- DSE (Discipline Specific Elective) A (Any One) Optional DCE 1.2 - SAHITYIK WARG-C PARCHIN EVAM MADHYAKALIN KAVYA - II (2124405) प्रश्नपत्र का नाम- साहित्यिक वर्ग क : प्राचीन एवं मध्यकालीन काव्य – II</p>	<ul style="list-style-type: none"> <li>छात्र प्राचीन गद्य साहित्य से परिचित होते हैं  </li> <li>छात्र में मध्यकालीन संत साहित्य के बारे में रूचि पैदा होती है  </li> <li>छात्रों में हिंदी संत के प्रति आत्मीय भाव निर्माण होता है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं  </li> </ul>
<p>M.A. II Semester IV Title of the Paper- Soft Core B (Any One) Optional OET 1.1 - ANUVAD: SIDHANT AUR PRAYOG – II (2124406) प्रश्नपत्र का नाम- अनुवाद: सिद्धांत और प्रयोग - II</p>	<ul style="list-style-type: none"> <li>छात्र अनुवाद साहित्य से परिचित होते हैं  </li> <li>छात्र अनुवाद के क्षेत्र में परिपूर्ण हो जाते हैं  </li> <li>छात्रों में हिंदी अनुवाद के प्रति रूची पैदा होती है  </li> </ul>
<p>M.A. II Semester IV Title of the Paper- Soft Core B (Any One) Optional OET 1.2 - Natak aur Rangmanch प्रश्नपत्र का नाम- नाटक और रंगमंच</p>	<ul style="list-style-type: none"> <li>छात्र हिंदी नाटक से परिचित होते हैं  </li> <li>छात्रों में हिंदी नाटक विधा के बारे में आत्मिय भाव पैदा होता है  </li> <li>छात्रों में हिंदी नाटक विधामें रूची पैदा होती है  </li> <li>छात्र तत्कालीन भारतीय, सामाजिक, राजनीतिक, सांस्कृतिक परिवेश से परिचित हो जाते हैं  </li> </ul>

## Department of Kannada

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
<p>B.A. I Semester I Compulsory Kannada- I (2011104)</p>	<ul style="list-style-type: none"> <li>Understand the background and Variety of literary forms of modern period.</li> <li>Explain the reasons behind the variety of literary forms, students feel happy in their future life.</li> <li>Know about the early history of tourism and importance of reading Travelogues. They too can become a writer.</li> <li>Know about the system and the nature of Variety of English literary forms</li> <li>Assess the Dignity of modern Kannada poetry</li> <li>Understand the formation of Sonnets, Lyrics, Songs, Limericks etc.</li> <li>Understand the Industrial, trade, commerce and agricultural aspects of Places like Andaman</li> </ul>
<p>B.A. I Semester II</p>	<ul style="list-style-type: none"> <li>Understand the background and Variety of literary</li> </ul>

Compulsory Kannada- II (2011204)	<p>forms of modern period.</p> <ul style="list-style-type: none"> <li>• Explain the reasons behind the variety of literary forms, students feel happy in their future life.</li> <li>• Know about the early history of tourism and importance of reading Travelogues. They too can become a writer.</li> <li>• Know about the system and the nature of Variety of English literary forms</li> <li>• Assess the Dignity of modern Kannada poetry</li> <li>• Understand the formation of Sonnets, Lyrics, Songs, Limericks etc.</li> <li>• Understand the Industrial, trade, commerce and agricultural aspects of Places like Andamaan</li> </ul>
B.A. I Semester I Optional Kannada- I (2011109) Biography and Vachanas	<ul style="list-style-type: none"> <li>• Understand the background of the noted personalities</li> <li>• Explain the reasons behind the variety of personalities worked for the welfare of the society</li> <li>• Know about the system and the nature of their working system</li> <li>• Assess the Dignity of Autobiography</li> <li>• Understand the importance of KAYAKAVE KAILASA</li> <li>• Understand the Literary and social works of the personalities</li> </ul>
B.A. I Semester II Optional Kannada- II (2011209) Medieval Poetry and Drama Paper II	<ul style="list-style-type: none"> <li>• Understand the background of the noted personalities</li> <li>• Explain the reasons behind the variety of personalities worked for the welfare of the society</li> <li>• Know about the system and the nature of their working system</li> <li>• Assess the Dignity of Autobiography</li> <li>• Understand the importance of KAYAKAVE KAILASA</li> <li>• Understand the Literary and social works of the personalities</li> </ul>
B.A. II Semester III DSC-III GROUP - D Optional Kannada- III(2111306) PAPER III- VACHANA AND PRAVACHANA	<ul style="list-style-type: none"> <li>• Develop patience and tolerance in their day today lives.</li> <li>• Write critically and creatively.</li> <li>• Become morally stronger.</li> </ul>
B.A. II Semester III DSC-IV GROUP - D Optional Kannada- IV (2111307) PAPER IV NOVEL AND ESSAYS	<ul style="list-style-type: none"> <li>• Interpret the meaning of life.</li> <li>• Interpret the readers literary beauty of the texts.</li> <li>• Write meditations on different social issues.</li> </ul>
B.A. II Semester IV DSC-V GROUP - D Optional Kannada- V (2111406) PAPER V MODERN POETRY	<ul style="list-style-type: none"> <li>• Interprets the meaning of non-fictional prose topics</li> <li>• Makes comparative study of thinkers from two different states.</li> </ul>

AND SOCIAL THINKERS	<ul style="list-style-type: none"> <li>• Write own meditations on different social issues</li> </ul>
B.A. II Semester IV DSC-VI GROUP - D Optional Kannada- (2111407) PAPER VI FOLK STORY AND SHORT STORY	<ul style="list-style-type: none"> <li>• Think critically and creatively.</li> <li>• Study folk literature in depth.</li> <li>• Write creative stories.</li> </ul>
B.Com. I Semester I GE 2 II – Group B Kannada P -I Modern Prose and Poetry) 2011109	<ul style="list-style-type: none"> <li>• Understand the background of the noted personalities through fictions</li> <li>• Explain the reasons behind the variety of personalities</li> <li>• Know about the well known writers of Kannada</li> <li>• Know about the system and the nature of Variety of English literary forms</li> <li>• Can assess the literary values of the poetry</li> <li>• Understand the importance of Dignity of labour</li> <li>• Understand the Literary and social works of the writers</li> </ul>
B.Com. I Semester I GE 2 II – Group B Kannada P -I Modern Prose and Poetry) 2011209	<ul style="list-style-type: none"> <li>• Understand the background of the noted personalities through fictions</li> <li>• Explain the reasons behind the variety of personalities</li> <li>• Know about the well known writers of Kannada</li> <li>• Know about the system and the nature of Variety of English literary forms</li> <li>• Can assess the literary values of the poetry</li> <li>• Understand the importance of Dignity of labour</li> <li>• Understand the Literary and social works of the writers</li> </ul>

## Department of Marathi

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.A. I Semester I COMPULSORY MARATHI-I PAPER I – साहित्यदर्पण (2011102)	<ul style="list-style-type: none"> <li>• विद्यार्थ्यांना मराठी गद्य व पद्य वाङ्मयाची प्राथमिक ओळखहोईल.</li> <li>• मराठी गद्य व पद्याच्या भाषेचे विविधांगीस्वरूप समजेल.</li> <li>• विद्यार्थ्यांना भाषा अभिव्यक्तीचे महत्त्वसमजेल.</li> <li>• विद्यार्थ्यांना लेखनकौशल्य आत्मसातहोऊन तोव्यक्तिमत्त्व विकासातील विविधस्पर्धांमध्ये भागघेईल.</li> <li>• मराठी लेखनकरता विरामचिन्हांचा योग्य वापरकरतायेईल</li> </ul>
B.A. I Semester II Marathi Compulsory COMPULSORY MARATHI-Paper II – साहित्यदर्पण (2011202)	<ul style="list-style-type: none"> <li>• विद्यार्थ्यांना मराठी गद्य व पद्य वाङ्मयाची प्राथमिक ओळखहोईल.</li> <li>• मराठी गद्य व पद्याच्या भाषेचे विविधांगीस्वरूप समजेल.</li> <li>• विद्यार्थ्यांना भाषा अभिव्यक्तीचे महत्त्वसमजेल.</li> <li>• विद्यार्थ्यांना लेखनकौशल्य आत्मसातहोऊन तोव्यक्तिमत्त्व विकासातील विविधस्पर्धांमध्ये भागघेईल.</li> </ul>

	<ul style="list-style-type: none"> <li>● मराठी लेखनकरता विरामचिन्हांचा योग्य वापरकरतायेईल</li> </ul>
<p>B.A. I Semester I मराठी - साहित्यरंग OPTIONAL MARATHI-I (2011107)</p>	<ul style="list-style-type: none"> <li>● विद्यार्थ्यांना मराठी कथा वाङ्मयाची ओळख होईल.</li> <li>● मराठी कथा कारवकथांचे विविधांगीस्वरूप समजेल.</li> <li>● विद्यार्थ्यांनाव्यक्तिगत व कार्यालयीनपत्र व्यवहार करण्याचे ज्ञानमिळेल.</li> <li>● कार्यालयातील आवक जावकनों दवहीचे लेखन करतायेईल.</li> <li>● विद्यार्थ्यांना टिप्पणी लेखनाचे ज्ञान मिळेल.</li> </ul>
<p>B.A. I Semester II मराठी - साहित्यरंग OPTIONAL MARATHI-II (2011207)</p>	<ul style="list-style-type: none"> <li>● विद्यार्थ्यांना मराठी कथा वाङ्मयाची ओळख होईल.</li> <li>● मराठी कथा कारवकथांचे विविधांगीस्वरूप समजेल.</li> <li>● विद्यार्थ्यांनाव्यक्तिगत व कार्यालयीनपत्र व्यवहार करण्याचे ज्ञानमिळेल.</li> <li>● कार्यालयातील आवक जावकनों दवहीचे लेखन करतायेईल.</li> <li>● विद्यार्थ्यांना टिप्पणी लेखनाचे ज्ञान मिळेल.</li> </ul>
<p>B.A. II Semester III OPTIONAL MARATHI IDS-I (2111323) PAPER I – महाराष्ट्रातील समाज सुधारणेचा इतिहास, (HSRM )भाग १</p>	<ul style="list-style-type: none"> <li>● एकोणिसाव्या शतकातील सामाजिक स्थितीचा आणि चालीरीतींचाअभ्यास होईल.</li> <li>● ब्रिटिशांनी केलेल्या सुधारणांची आणि त्यांच्या प्रशासकीय धोरणांचीओळख होईल.</li> <li>● आधुनिक महाराष्ट्रातील आद्यसमाजसुधारकांच्या कार्याचेमहत्त्व कळून येईल.</li> <li>● प्रबोधनाच्या चळवळींविषयीचे स्वरूप समजेल.</li> <li>● सुधारणावादी दृष्टिकोन रुजेल.</li> <li>● विविध विषयांच्या परस्परपूरक अभ्यासाचे महत्त्व कळेल.</li> </ul>
<p>B.A. II Semester IV OPTIONAL MARATHI IDS-II (2111423) PAPER II – महाराष्ट्रातील समाज सुधारणेचा इतिहास, (HSRM )भाग २</p>	<ul style="list-style-type: none"> <li>● विसाव्या शतकातील सामाजिक स्थितीचा, चालीरीतींचाअभ्यास होईल.</li> <li>● ब्रिटिशांनी केलेल्या सुधारणांची आणि त्यांच्या प्रशासकीय धोरणांचीओळख होईल.</li> <li>● आधुनिक काळातील महाराष्ट्रातील आद्य समाजसुधारकांच्या कार्याचेमहत्त्व कळून येईल.</li> <li>● प्रबोधनाच्या चळवळींविषयीचे स्वरूप समजेल.</li> <li>● सुधारणावादी दृष्टिकोन रुजेल.</li> <li>● विविध विषयांच्या परस्परपूरक अभ्यासाचे महत्त्व कळेल.</li> </ul>
<p>B.A. II Semester III DSC – III Group – D- Marathi OPTIONAL MARATHI-III (2111304) PAPER III – कादंबरी वाङ्मय प्रकार आणि परीक्षण</p>	<ul style="list-style-type: none"> <li>● कादंबरी या साहित्य प्रकाराची ओळख होईल.</li> <li>● मराठी कादंबरीच्या वाटचालीचे स्वरूप समजेल.</li> <li>● कादंबरीकाराच्या जीवन व साहित्याचा परिचय घडेल.</li> <li>● कादंबरी निर्मितीतील लेखकाचे स्थान समजूनघेतायेईल.</li> <li>● कादंबरी साहित्याच्या अभ्यासाची दिशा, ठळक वैशिष्ट्ये स्पष्ट होतील.</li> <li>● विद्यार्थी स्वतःकादंबरीचे परीक्षण करूलागतील.</li> </ul>
<p>B.A. II Semester III DSC – IV Group – D- Marathi OPTIONAL MARATHI-IV (2111305) PAPER IV – कवितावाङ्मयप्रकारआणिअभिवाचन</p>	<ul style="list-style-type: none"> <li>● कविता या साहित्य प्रकाराची ओळख होईल.</li> <li>● मराठी काव्य परंपरेची माहिती मिळेल.</li> <li>● मराठी कवीच्या जीवन आणि साहित्याचा परिचय घडेल.</li> <li>● कवीची प्रेरणा आणि प्रवृत्ती या सहत्याच्या कवितेची वैशिष्ट्ये जाणून घेतायेतील.</li> <li>● कवितेच्या आकलन आस्वादाना चीदृष्टी विकसित होईल.</li> <li>● विद्यार्थी कविता सादरीकरणाचे कौशल्य आत्मसात करतील.</li> </ul>
<p>B.A. II Semester IV</p>	<ul style="list-style-type: none"> <li>● ललित गद्यसाहित्य प्रकाराची ओळखहोईल.</li> </ul>

<p>DSC – V Group – D- Marathi OPTIONAL MARATHI-V (2111404) PAPER V – ललितगद्यवाङ्मयप्रकारआणिनिबंधलेखन</p>	<ul style="list-style-type: none"> <li>● मराठी ललितगद्याच्या परंपरेची माहितीकरूनघेता येईल.</li> <li>● मराठीतल्या एका ललितलेखकाच्या लेखन व विचारदृष्टीचा अभ्यास होईल.</li> <li>● ललितगद्याच्या चिंतनशील, मुक्तस्वरूपाची वैशिष्ट्ये जाणतील.</li> <li>● ललितगद्य या साहित्यप्रकाराचा आस्वाद घेतील.</li> <li>● निबंधलेखनाचे कौशल्य अवगत होईल.</li> </ul>
<p>B.A. II Semester IV DSC – VI - Group - D- Marathi OPTIONAL MARATHI-VI (2111405) PAPER VI – नाटकवाङ्मयप्रकारआणिवाचिकअभिनय</p>	<ul style="list-style-type: none"> <li>● नाटक या साहित्य प्रकाराची ओळख होईल.</li> <li>● मराठीनाट्यपरंपरेची वाटचाल जाणता येईल.</li> <li>● मराठीनाट्यकृतीचा सर्वांगीणअभ्यास होईल.</li> <li>● मराठीतल्या एका प्रतिभावाननाटककाराच्या नाट्यकृतीचा आणि लेखनगुणांचा अभ्यास होईल.</li> <li>● नाट्यकृतीचा साहित्यप्रकाराच्या दृष्टीने आस्वाद घेतायेईल.</li> <li>● वाचिक अभिनयाचे कौशल्य आत्मसातकरण्याच्या दृष्टीने विद्यार्थ्यांना चालना मिळेल.</li> </ul>
<p>B.Com. I Semester I GE 2 II – Group B Marathi COMPULSORY MARATHI-I (2021108) Paper I : साहित्यदर्पण</p>	<ul style="list-style-type: none"> <li>● विद्यार्थ्यांना मराठी गद्य व पद्य वाङ्मयाची प्राथमिक ओळख होईल.</li> <li>● मराठी गद्य व पद्याच्या भाषेचे विविधांगी स्वरूप समजेल.</li> <li>● विद्यार्थ्यांना भाषा अभिव्यक्तीचे महत्त्व समजेल.</li> <li>● विद्यार्थ्यांना भाषण कौशल्य आत्मसात होऊन तो व्यक्तिमत्त्व विकासातील विविध स्पर्धामध्ये भाग घेईल.</li> <li>● विद्यार्थ्यांमधून व्यावसायिक सूत्रसंचालक तयार होतील.</li> </ul>
<p>B.Com. I Semester II GE 2 II – Group B Marathi COMPULSORY MARATHI-I (2021208) Paper II : साहित्यदर्पण</p>	<ul style="list-style-type: none"> <li>● विद्यार्थ्यांना मराठी गद्य व पद्य वाङ्मयाची प्राथमिक ओळख होईल.</li> <li>● मराठी गद्य व पद्याच्या भाषेचे विविधांगी स्वरूप समजेल.</li> <li>● विद्यार्थ्यांना भाषा अभिव्यक्तीचे महत्त्व समजेल.</li> <li>● विद्यार्थ्यांना लेखन कौशल्य आत्मसात होऊन तो व्यक्तिमत्त्व विकासातील विविध स्पर्धामध्ये भाग घेईल.</li> <li>● मराठी लेखन करता विरामचिन्हांचा योग्य वापर करता येईल.</li> </ul>

## Department of History

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
<p>B.A. I Semester I HISTORY-I (2011110) Title: The Rise of Maratha Power (1600 AD To 1707 AD)</p>	<ul style="list-style-type: none"> <li>● Understand the background and the inspiration behind the establishment of swarajya.</li> <li>● Explain the reasons behind chh. Shivaji's early conflicts with regional lords and the outsiders.</li> <li>● Know about the early conflicts of chh. Shivaji with regional lords and outsider powers of Adilshahi and Mughal empire.</li> <li>● Know about the importance of grand coronation of chhatrapati Shivaji Maharaj.</li> </ul>
<p>B.A. I Semester II HISTORY-II (2011210) Title: THE RISE OF MARATHA</p>	<ul style="list-style-type: none"> <li>● Know about the administrative system and its nature of chh. Shivaji</li> <li>● Assess the chh. Shivaji's invasion on Karnataka</li> </ul>

POWER PAPER- II(1600AD TO 1707AD)	<ul style="list-style-type: none"> <li>• Understand the formation of welfare state during the Maratha rule.</li> <li>• Understand the Industrial, trade, commerce and agricultural aspects of chh. Shivaji's regime.</li> <li>• Understand the administrative aspects of the swarajya</li> </ul>
B.A. II Semester III OPTIONAL HISTORY- IV (2111315) Title: History of Indian Freedom Movement Paper- IV (1757 – 1950 A.D.)	<ul style="list-style-type: none"> <li>• 1. Understand the structural changes initiated by colonial rule in East Indian Company.</li> <li>• 2 explain the various revolts against rule of the East Indian Company.</li> <li>• 3. Understand the events which lead to the growth of Nationalism in India.</li> <li>• 4 acquaint self with major events of the freedom struggle under the leadership of Mahatma Gandhi.</li> <li>• 5. Explain the contribution of revolutionaries left moment and Indian National army.</li> <li>• 6 know the concept of communism and the effects of the partition of India</li> </ul>
B.A. II Semester IV OPTIONAL HISTORY - VI (2111415) History of Indian Freedom Movement Paper- VI (1757 – 1950 A.D.)	<ul style="list-style-type: none"> <li>• 1. To understand the British power and growth of his administration</li> <li>• 2. To understand rise of 1857 causes, course and consequences</li> <li>• 3. To understand socio-religious movement &amp; their role in National awaking</li> <li>• 3. To understand the rise of Indian National Congress and growth up to 1920</li> <li>• 4. To understand social reforms ideas and thoughts</li> <li>• 5. To understand the Gandhian era</li> <li>• 6. To understand the contribution of Revolutionaries (Bengal, Maharashtra &amp; Punjab)</li> <li>• 7. To understand the major events of India's freedom struggle, its legacy and its contribution to the making of modern India.</li> <li>• 8. To instal the spirit of Nationalism among students</li> </ul>

## Department of Psychology

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
PSOs	<ul style="list-style-type: none"> <li>• Students can apply the psychological principles in their real-life situations and to learn more effectively about life span development.</li> <li>• Students to develop better physical, social, cognitive and personality perspectives.</li> <li>• Students opting for competitive examinations are benefited.</li> </ul>
B.A. I Semester I Psychology-I (2011111) PAPER I: Introduction to Psychology	<ul style="list-style-type: none"> <li>• Student understand with science of psychology, and its biological base with</li> </ul>

	<p>application</p> <ul style="list-style-type: none"> <li>• Student able with state of consciousness, motivation and emotional processes with its application.</li> </ul>
<p>B.A. I Semester II PAPER II: Fundamentals of Psychology-II (2011211)</p>	<ul style="list-style-type: none"> <li>• Clarify student with learning and memory process</li> <li>• learn student intelligence and personality process</li> </ul>
<p>B.A. II Semester III OPTIONAL PSYCHOLOGY IDS –I (2111328) PAPER I-Child’s Growth and Development–I</p>	<ul style="list-style-type: none"> <li>• Able to understand genetic and environment based orientation of starts of the life.</li> <li>• Clarify to Physical and cognitive process of infancy</li> <li>• Identify social and personality perspective of infancy.</li> </ul>
<p>B.A. II Semester IV OPTIONAL PSYCHOLOGY IDS –II (2111428) PAPER I-Child’s Growth and Development–II</p>	<ul style="list-style-type: none"> <li>• Able to understand Physical and cognitive process of Middle childhood.</li> <li>• Identify social and personality perspective of Middle Childhood.</li> </ul>
<p>B.Sc. I Semester I DSC-A Theory-I: Introduction to Psychology 2031119</p>	<ul style="list-style-type: none"> <li>• Students can apply the psychological principles in their real life situations.</li> <li>• This syllabus helps students to learn more effectively about life span development.</li> </ul>
<p>B.Sc. I Semester I DSC-A Theory-II: Developmental Psychology - Adolescence to Early Adulthood 2031119</p>	<ul style="list-style-type: none"> <li>• This course helps students in understanding of human lives &amp; advise how they should perceive their lives.</li> <li>• Students find out what is psychologically correct &amp; what is psychologically advisable in their lives.</li> <li>• Students recognize &amp; shape their wellbeing in future course of actions.</li> </ul>
<p>B.Sc. I Semester II DSC-B Theory-I: Foundations of Psychology 2031218</p>	<ul style="list-style-type: none"> <li>• Students can apply the psychological principles in their real-life situations.</li> <li>• This syllabus helps students to learn more effectively about life span development.</li> </ul>
<p>B.Sc. I Semester II DSC-B Theory-II: Developmental Psychology – Middle to Late Adulthood 2031219</p>	<ul style="list-style-type: none"> <li>• Students find out what is psychologically correct &amp; what is psychologically advisable in their lives.</li> <li>• Students recognize &amp; shape their wellbeing in future course of actions.</li> <li>• Human development helps students to</li> </ul>

	develop better physical, social.
B.Sc. I Semester I and II DSC-A and B Practical-I: Psychology Practical 2031220	<ul style="list-style-type: none"> <li>• Students able to understand experimental method.</li> <li>• Students learn psychophysical and perceptual processes in experimental psychology.</li> </ul>
B.Sc. II Semester III DSC-1C Theory Paper-V: Experimental Psychology 2131317	<ul style="list-style-type: none"> <li>• Students understand the nature of social psychology</li> <li>• Students know social elements in socialization process.</li> </ul>
B.Sc. II Semester III DSC-1C Theory Paper-VI: Social Psychology 2131318	<ul style="list-style-type: none"> <li>• Students understand the nature of social psychology</li> <li>• Students know social elements in socialization process.</li> </ul>
B.Sc. II Semester III DSC-1C Practical-II: Experimental Psychology 2131427	<ul style="list-style-type: none"> <li>• To apply understand different psychological principles behind psychological experiment</li> <li>• To expertise application of psychological experiment in psychological laboratory.</li> </ul>
B.Sc. II Semester IV DSC-1D Theory Paper-VII: Cognitive Psychology 2131417	<ul style="list-style-type: none"> <li>• Students know definition, fields, history and methods of studying cognition</li> <li>• Student learn domains of cognitive psychology.</li> </ul>
B.Sc. II Semester IV DSC-1D Theory Paper-VIII: Positive Psychology 2131418	<ul style="list-style-type: none"> <li>• To learn concept of wellbeing and new Field of psychology.</li> <li>• To able resilience and self-regulation domains of positive psychology.</li> </ul>
B.Sc. II Semester IV DSC-1D SEC-2 Practical-III: Psychological Assessment 2131427	<ul style="list-style-type: none"> <li>• To able impart knowledge of psychological assessment</li> <li>• To apply assessment skills.</li> </ul>
M.A. I Semester I HCT 1.1 Applied Cognitive Psychology (2054101)	<ul style="list-style-type: none"> <li>• To know the History of Cognitive Psychology and its applications in various fields</li> <li>• To explain theories and research in the field of perception and attention</li> <li>• To describe the concept of memory like</li> </ul>

	<p>memory.</p> <ul style="list-style-type: none"> <li>• To describe Decision Making, Problem Solving &amp; Reasoning.</li> </ul>
<p>M.A. I Semester I HCT 1.2 Research Methodology in Psychology (2054102)</p>	<ul style="list-style-type: none"> <li>• Student will be able with basic research process, research design and types of investigation that they can follow the research report and papers in different the students of psychology.</li> <li>• Student will learn scientific research, Sampling and data collection, research design.</li> </ul>
<p>M.A. I Semester I HC Practical1.3 PRACTICUM / EXPERIMENTS _COGNITIVE PROCESS (2054103)</p>	<ul style="list-style-type: none"> <li>• to know the method of conducting psychological experiment</li> <li>• to learn application of cognitive process in experiment.</li> <li>• to know designing a psychological experiment.</li> <li>• to write report on psychological experiments</li> <li>• to make students aware about various experimental design</li> </ul>
<p>M.A. I Semester I SCT DSE A 1.1 Personality Psychology (2054104)</p>	<ul style="list-style-type: none"> <li>• to know the nature of personality and characteristics of good Personality.</li> <li>• to understand the taxonomies personality from different theories dispositions from psychoanalytical perspective</li> <li>• to understand personality development from genetics physiology &amp; evolutionary approach</li> <li>• to understand personality development from Humanistic and Existential perspectives</li> <li>• to know recent development in the field of Psychoanalytic approach.</li> <li>• to know researches in the field of personality psychology.</li> </ul>
<p>M.A. I Semester I SCT DSE A 1.2 Neuropsychology</p>	<ul style="list-style-type: none"> <li>• Student learn relation between heart mind brain</li> <li>• Student understands knowledge neuropsychology, Neuroanatomy, Techniques of neuropsychology.</li> </ul>

<p>M.A. I Semester I SCT B 1.1 Advanced Social Psychology (2054106)</p>	<ul style="list-style-type: none"> <li>• Student understand the nature and scope of social psychology</li> <li>• Student become Familiarize the key topics/areas of social psychology as well as emerging trends</li> <li>• Student able understand how principles of social psychology are applied to real life situations</li> </ul>
<p>M.A. I Semester I SCT B 1.2 Educational Psychology</p>	<ul style="list-style-type: none"> <li>• To describe the applications of psychology in educational settings</li> <li>• To explain the needs of children with disabilities</li> <li>• To explain Pedagogical Content Knowledge and assessment of students in classroom</li> <li>• To discuss planning for teacher-centered and student-centered lessons</li> <li>• To understand and use technology for educational purpose</li> <li>• To discuss and use strategies for effective classroom management</li> <li>• To describe and use different techniques for the management of problem behaviours</li> </ul>
<p>M.A. I Semester II HCT Physiological Psychology (2054201)</p>	<ul style="list-style-type: none"> <li>• Student understand physiological psychology and role of evaluation in behaviour</li> <li>• Student understand neurons and Its conduction and transmission in behaviour</li> <li>• Student enrich the knowledge about the Nervous System in the mental disorders</li> <li>• Student understand internal and hormonal regulation of behaviour</li> </ul>
<p>M.A. I Semester II HCT 1.2 Statistics in Psychology (2054202)</p>	<ul style="list-style-type: none"> <li>• To explain the concepts and applications of descriptive statistics and probability</li> <li>• To use 't' test, ANOVA, ANCOVA, MANOVA and other non-parametric tests to study group differences</li> <li>• To describe and use different methods of correlations for studying the strength of relationship between the variables</li> <li>• To explain how predictions about variables can be made</li> <li>• To describe and use the non-parametric alternatives to measure the relationship between the variables</li> <li>• To describe the techniques of factor</li> </ul>

	analysis, path analysis and structural equation modelling
M.A. I Semester II HCT 1.3 PRACTICUM/TESTS_PSYCHOLOGICAL ASSESSMENT (2054203)	<ul style="list-style-type: none"> <li>• Student able to develops interest in psychological tests interpretation of score and report writing.</li> <li>• Student learn to acquaint procedure and evaluation of psychological tests.</li> <li>• Student able to acquaint skills of observations on the basis of psychological tests.</li> </ul>
M.A. I Semester II SCT A 1.1 Domains of Personality (2054204)	<ul style="list-style-type: none"> <li>• Student able to introduce the neo-psychoanalytical, humanistic, experiential, social, cultural, domains of personality.</li> <li>• Studentable to allow to compare significant research in Eastern and western culture.</li> </ul>
M.A. I Semester II SCT A 1.2 Psychology of Emotion	<ul style="list-style-type: none"> <li>• Student understand basic nature of emotion</li> <li>• Student comp rent different approaches of emotions</li> <li>• Student learn cultural basis behind emotions</li> <li>• Student can understand different emotional disorders</li> </ul>
M.A. I Semester II OET Generic Elective 1.1 TITLE OF THE COURSE – LIFE SPAN DEVELOPMENT (2054206)	<ul style="list-style-type: none"> <li>• Student able to learn physical and cognitive perspectives in across the life span.</li> <li>• Student understand socio emotional developmental in across the life span</li> <li>• Student learns descriptions of different developmental stages.</li> <li>• Student will use the knowledge of Human life span in research</li> <li>• Student improve their life and motivate deeply about their personal journey through life.</li> </ul>
M.A. I Semester II OET Generic Elective 1.2 Sports Psychology	<ul style="list-style-type: none"> <li>• Student understand nature of Sports Psychology in Everyday life</li> <li>• Student able to learn about their personality in sports and play.</li> <li>• Student can develop motivations as a sport person in their sporty life</li> <li>• Student can learn how to become self-confidant and be a better performer in sport</li> </ul>

<p>M.A. II Semester III HCT 1.1 TITLE OF THE PAPER- Foundations of Clinical Psychology (2154301)</p>	<ul style="list-style-type: none"> <li>• To provide the students introduction, history and recent development in clinical Psychology.</li> <li>• To familiarize students with different models of clinical Psychology.</li> </ul>
<p>M.A. II Semester III HCT 1.2 TITLE OF THE PAPER- Psychopathology (2154302)</p>	<ul style="list-style-type: none"> <li>• To impart students knowledge about Psychological disorders</li> <li>• To make students understand the types, casual factors preventions and treatments of various Psychopathological disorders.</li> </ul>
<p>M.A. II Semester III HCT 1.3 TITLE OF THE PAPER- Clinical Assessment &amp; Project (2154303)</p>	<ul style="list-style-type: none"> <li>• To understand the need of clinical assessment as diagnostic tools in laboratory research to develop new intervene</li> <li>• To able write a research report as per the guidelines of APA.</li> </ul>
<p>M.A. II Semester III SCT 1.1 TITLE OF THE PAPER- Health Psychology (2154304)</p>	<ul style="list-style-type: none"> <li>• To acquaints the students with relation between Psychology and health.</li> <li>• To acquaints the students with various problems and preventions and controls of health problems.</li> </ul>
<p>M.A. II Semester III SCT 1.2 TITLE OF THE PAPER- Community Psychology</p>	<ul style="list-style-type: none"> <li>• To impart knowledge about Community Psychology.</li> <li>• To understand background of Community Psychology.</li> <li>• To impart understanding inequality and its effects on health.</li> <li>• To impart about community psychology actions.</li> </ul>
<p>M.A. II Semester III OET 1.1 TITLE OF THE PAPER- Psychology for Adjustment, Growth &amp; Behavior (2154306)</p>	<ul style="list-style-type: none"> <li>• To able understand knowledge about adjustment continue learning and growing their own behaviour</li> <li>• To critically evaluate Psychological insight about the adjustment growth and behavior</li> </ul>
<p>M.A. II Semester III OET 1.2 TITLE OF THE PAPER- Rehabilitation Psychology</p>	<ul style="list-style-type: none"> <li>• To learn theoretical understanding of the community based rehabilitation.</li> <li>• To use knowledge about applications of community based rehabilitation with different population.</li> <li>• To aware about the current changes in the field of rehabilitation.</li> </ul>

<p>M.A. II Semester IV HCT 1.1 TITLE OF THE PAPER- Clinical Psycho-Diagnostics (2154401)</p>	<ul style="list-style-type: none"> <li>• To acquaint the students for Psychodiagnosis and Psychological assessment.</li> <li>• To impart knowledge and skills required for psychological assessment diagnostic testing.</li> </ul>
<p>M.A. II Semester IV HCT 1.2 TITLE OF THE PAPER- Psychotherapy-System Strategies and Skills (2154402)</p>	<ul style="list-style-type: none"> <li>• To Understand to students different therapeutic process of psychotherapy.</li> <li>• To help student developed balanced views about various therapeutic techniques.</li> </ul>
<p>M.A. II Semester IV HCT 1.3 TITLE OF THE PAPER- CLINICAL PRACTICUM: MSE, ASSESSMENT AND CASE PRESENTATION (2154403)</p>	<ul style="list-style-type: none"> <li>• To explain and apply use the skills and competencies required to work in Clinical Psychology settings.</li> <li>• To take Case History and Mental Status Examination of the Client with Psychological Disorders.</li> <li>• To administer, score and write a report based on standardized diagnostic tests for psychodiagnostics perspective while answering referral question</li> <li>• To do come up with differential diagnosis and provisional diagnosis and they can able to communicate the same to the client and their relatives</li> <li>• To plan and implement a treatment under supervision and write the report of the session for monitoring the progress. Mental Status Examination and Assessment</li> </ul>
<p>M.A. II Semester IV SCT 1.1 TITLE OF THE PAPER- Positive Psychology (2154404)</p>	<ul style="list-style-type: none"> <li>• To understand nature, perspectives, classification and measures of human strength in positive psychology.</li> <li>• To know importance of positive emotional states, cognitive state and comprehension of human behavior.</li> </ul>
<p>M.A. II Semester IV SCT 1.2 TITLE OF THE PAPER- Cross Cultural Psychology</p>	<ul style="list-style-type: none"> <li>• To adequate knowledge about cross-cultural psychology.</li> <li>• To know about different research methods of cross-cultural psychology.</li> <li>• To process of human developments and socialization</li> <li>• To know process of Social Perception, Social Cognition</li> </ul>

M.A. II Semester IV SCT 1.1 TITLE OF THE PAPER- Forensic Psychology (2154406)	<ul style="list-style-type: none"> <li>• To know Forensic Psychology and Correlational Psychology</li> <li>• To able to know Forensic Mental health and assessment &amp; Psychology and Law.</li> </ul>
M.A. II Semester IV SCT 1.2 TITLE OF THE PAPER- Psychology of Gender and Identity	<ul style="list-style-type: none"> <li>• To know the biological, social and cognitive influences on gender</li> <li>• To adequate the origins of gender stereotyping</li> <li>• To know contemporary gender issues</li> </ul>

## Department of Economics

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.A. I Semester I ECONOMICS-I (2011114) Title: INDIAN ECONOMY- I (OPT. ECONOMICS)	<ul style="list-style-type: none"> <li>• Ability to develop an understanding of the economic environment and the factors affecting economic environment.</li> <li>• Ability to develop awareness on the various new developments in the different sectors of an economy – agriculture, industry, services, banking, etc.</li> <li>• Ability to compare and contrast Indian Economy with other world economies.</li> <li>• At the end of the course, the student should be able discuss and debate on the various issues and challenges facing the Indian Economic Environment.</li> </ul>
B.A. I Semester II ECONOMICS-II (2011214) Title: INDIAN ECONOMY- II (OPT. ECONOMICS)	<ul style="list-style-type: none"> <li>• Ability to develop an understanding of the economic environment and the factors affecting economic environment.</li> <li>• Ability to develop awareness on the various new developments in the different sectors of an economy– agriculture, industry, services, banking, etc.</li> <li>• Ability to compare and contrast Indian Economy with other world economies.</li> <li>• At the end of the course, the student should be able discuss and debate on the various issues and challenges facing the Indian Economic Environment.</li> </ul>
B.A. II Semester III OPTIONAL ECONOMICS IDS-I (2111326) Title- CO-OPERATION-I	<ul style="list-style-type: none"> <li>• Ability to develop an understanding of the Co-operation.</li> <li>• Ability to develop awareness on the various new developments in the different sectors of co-operation – agriculture, industry,</li> </ul>

	<p>services, banking, etc.</p> <ul style="list-style-type: none"> <li>• Ability to compare and contrast Indian co-operative Movement with other world economy.</li> <li>• At the end of the course, the student should be able discuss and debate on the various issues and challenges facing the Indian Economic Environment.</li> </ul>
<p>B.A. II Semester IV OPTIONAL ECONOMICS IDS-II (2111426) CO-OPERATION-II</p>	<ul style="list-style-type: none"> <li>• Ability to develop an understanding of the Co-operation.</li> <li>• Ability to develop awareness on the various new developments in the different sectors of co-operation – agriculture, industry, services, banking, etc.</li> <li>• Ability to compare and contrast Indian co-operative Movement with other world economy.</li> <li>• At the end of the course, the student should be able discuss and debate on the various issues and challenges facing the Indian Economic Environment.</li> </ul>

## Department of Sociology

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
<p>B.A. I Semester I Introduction to Sociology-I (2011115)</p>	<ul style="list-style-type: none"> <li>• After completion of this course students are more familiar with sociological concepts which are found in society.</li> <li>• The knowledge of society will help the students to understand the human issues.</li> </ul>
<p>B.A. I Semester II Introduction to Sociology-II (2011215)</p>	<ul style="list-style-type: none"> <li>• After completion of this course students are more familiar with sociological concepts which are found in society.</li> <li>• The knowledge of society will help the students to understand the human issues.</li> </ul>
<p>B.A. II Semester III OPTIONAL SOCIOLOGY IDS-I (2111327) IDS-I SOCIAL ECOLOGY</p>	<ul style="list-style-type: none"> <li>• Students will be able to describe the basic principle of ecology and ecosystem function</li> <li>• The characteristics of the major biomes and ecosystem of the earth</li> <li>• Discuss the role that humans play in affecting the characteristics of the environment</li> <li>• Evaluate current environmental issues and problems including the solutions and management practices that have been used or</li> </ul>

	<p>offered to address these issues and problems.</p>
<p>B.A. II Semester IV IDS –II OPTIONAL SOCIOLOGY IDS-II (2111427) Paper II Social Ecology</p>	<ul style="list-style-type: none"> <li>• Students will be able to describe the basic principle of ecology and ecosystem function</li> <li>• The characteristics of the major biomes and ecosystem of the earth</li> <li>• Discuss the role that humans play in affecting the characteristics of the environment</li> <li>• Evaluate current environmental issues and problems including the solutions and management practices that have been used or offered to address these issues and problems.</li> </ul>
<p>M.A. I Semester I HCT 1.1 COMPULSORY COURSE CLASSICAL SOCIOLOGICAL TRADITION – I (2034101)</p>	<ul style="list-style-type: none"> <li>• Students would be able to understand fundamental concepts of the sociology and the contribution of classical sociologists.</li> <li>• This course would be helpful to provide foundational ideas of sociology.</li> <li>• This course also helps to provide the theoretical as well as methodological inputs to the learners.</li> <li>• This course enriches the sociological knowledge of the students.</li> </ul>
<p>M.A. I Semester I HCT 1.2 Compulsory Paper SOCIOLOGY OF INDIAN SOCIETY – I (2034102)</p>	<ul style="list-style-type: none"> <li>• This course has relevance in introducing the different approaches to the learners about the Indian society.</li> <li>• These perspectives gave direction to the learners to know the different complexities and nature, structure of the Indian society.</li> <li>• This course provide scientific approaches and developed scientific outlook and attitude in the case of inlaying Indian social truths.</li> <li>• The perspectives on Indian society would produce sociological knowledge that helps to policy makers and social scientists.</li> </ul>
<p>M.A. I Semester I M.A. I - Hard Core Compulsory Subject HCT 1.3 Sociology of Change and Development- I (2034103)</p>	<ul style="list-style-type: none"> <li>• This course helps learners to understand the issues and challenges of change and development in front of the Indian society.</li> <li>• This course provides alternative ways to address and tackle the issues of development.</li> <li>• This course is designed to provide different theoretical perspectives, theories of dependency, Centre-periphery approaches of development and underdevelopment.</li> </ul>
<p>M.A. I Semester I SCT 1.1 Optional Urban Society in India-I (2034104)</p>	<ul style="list-style-type: none"> <li>• Define urban sociology and demonstrate the nature and scope of urban sociology.</li> <li>• Develop an understanding about trends of urbanization in India and impact of urbanization</li> </ul>

	<p>on Indian society.</p> <ul style="list-style-type: none"> <li>• Develop awareness about urban problems and policies adopted to solve such problems.</li> </ul>
<p>M.A. I Semester I SCT 1.2 Criminology – I</p>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of the basic structure and functions of the main components of the criminal justice system – law enforcement, courts, and corrections.</li> <li>• Understand and apply competing sociological and criminological theories to explain the social construction of crime and deviance, the nature and causes of crime, and the social reaction to crime and deviance.</li> <li>• Understand the historical components of the criminal justice system, including social, economic, and political variables in the creation of laws and institutions to regulate individual and collective deviant and criminal behaviours.</li> </ul>
<p>M.A. I Semester I SCT 1.1 Soft core B Optional Social Movements in India (2034106)</p>	<ul style="list-style-type: none"> <li>• This course has importance in many ways to provide orientation to the students about the contemporary social movements India.</li> <li>• The course tried to make students aware of about the demands and issues of the social movements.</li> </ul>
<p>M.A. I Semester I SCT 1.2 Soft core B Sociology of Mass Communication</p>	<ul style="list-style-type: none"> <li>• This course has significance in the areas of media society.</li> <li>• Media and society is new emerging areas which h opportunities for the students of sociology.</li> <li>• This is opening field for the learners.</li> </ul>
<p>M.A. I Semester II HCT 1.1 COMPULSORY COURSE CLASSICAL SOCIOLOGICAL TRADITION - II (2034201)</p>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of the basic structure and functions of the main components of the criminal justice system – law enforcement, courts, and corrections.</li> <li>• 2. Understand and apply competing sociological and criminological theories to explain the social construction of crime and deviance, the nature and causes of crime, and the social reaction to crime and deviance.</li> <li>• 3. Understand the historical components of the criminal justice system, including social, economic and political variables in the creation of laws and institutions to regulate individual and collective deviant and criminal behaviors</li> </ul>
<p>M.A. I Semester II HCT 1.2 Compulsory Paper</p>	<p>Demonstrate knowledge of the basic structure and functions of the main components of the criminal</p>

<p>SOCIOLOGY OF INDIAN SOCIETY – II (2034102)</p>	<p>justice system – law enforcement, courts, and corrections.</p> <p>2. Understand and apply competing sociological and criminological theories to explain the social construction of crime and deviance, the nature and causes of crime, and the social reaction to crime and deviance.</p> <p>3. Understand the historical components of the criminal justice system, including social, economic, and political variables in the creation of laws and institutions to regulate individual and collective deviant and criminal behaviours.</p>
<p>M.A. I Semester II Hard Core Subject HCT 1.1 Sociology of Change and Development- II (2034203)</p>	<p>Demonstrate knowledge of the basic structure and functions of the main components of the criminal justice system – law enforcement, courts, and corrections.</p> <p>2. Understand and apply competing sociological and criminological theories to explain the social construction of crime and deviance, the nature and causes of crime, and the social reaction to crime and deviance.</p> <p>3. Understand the historical components of the criminal justice system, including social, economic, and political variables in the creation of laws and institutions to regulate individual and collective deviant and criminal behaviours.</p>
<p>M.A. I Semester II SCT 1.1 Optional Urban Society in India-II (2034204)</p>	<p>Demonstrate knowledge of the basic structure and functions of the main components of the criminal justice system – law enforcement, courts, and corrections.</p> <p>2. Understand and apply competing sociological and criminological theories to explain the social construction of crime and deviance, the nature and causes of crime, and the social reaction to crime and deviance.</p> <p>3. Understand the historical components of the criminal justice system, including social, economic, and political variables in the creation of laws and institutions to regulate individual and collective deviant and criminal behaviours.</p>
<p>M.A. I Semester II SCT 1.2 Criminology – II</p>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of the basic structure and functions of the main components of the criminal justice system – law enforcement, courts, and corrections.</li> <li>• 2. Understand and apply competing sociological and criminological theories to explain the social construction of crime and deviance, the nature and causes of crime, and the social reaction to crime and deviance.</li> </ul>

	<p>deviance.</p> <ul style="list-style-type: none"> <li>• 3. Understand the historical components of the criminal justice system, including social, economic, and political variables in the creation of laws and institutions to regulate individual and collective deviant and criminal behaviours.</li> </ul>
<p>M.A. I Semester II OET 1.1 Optional SOCIOLOGY OF HEALTH (2034206)</p>	<ul style="list-style-type: none"> <li>• Students are able to know issues in the sociology of health and illness.</li> <li>• Students will become health conscious after this course</li> <li>• Students can get help to study community health problems.</li> </ul>
<p>M.A. I Semester II PAPER –OET 1.2 SOCIOLOGY OF AGING</p>	<ul style="list-style-type: none"> <li>• Students will know the problems of aged population.</li> <li>• Students will know the Govt. strategies and welfare programmes for Aged population</li> </ul>
<p>M.A. II Semester III HCT- 1.1 Theoretical Perspectives in Sociology (2134301)</p>	<ul style="list-style-type: none"> <li>• Student will come to know the classical theories of sociology</li> <li>• A theory is based on facts, theory entail about the fact</li> <li>• Theoretical perspective will help the student to make new research in the form of theory</li> </ul>
<p>M.A. II Semester III HCT- 1.2 Methodology of Social Research (2134302)</p>	<ul style="list-style-type: none"> <li>• The paper will help the students to cultivate scientific attitude towards social facts</li> <li>• A student can learn the methods of studying, techniques of data collection</li> <li>• It will help us to undertake any research project in future</li> </ul>
<p>M.A. II Semester III HCT- 1.3 SOCIAL ANTHROPOLOGY (2134303)</p>	<ul style="list-style-type: none"> <li>• The students will come to know about aboriginal of India.</li> <li>• Study will acknowledge about the culture, norms, laws, Art of tribal as heritage of India.</li> <li>• Tribal development will help us to initiate constructive work for tribal around us.</li> </ul>
<p>M.A. II Semester III SCT-1.1 POLITICAL SOCIOLOGY (2134304)</p>	<ul style="list-style-type: none"> <li>• The study is a source of political socialization of student</li> <li>• Leader qualities in student can be developed</li> <li>• Student will be understood regional, nation politics in India</li> </ul>
<p>M.A. II Semester III SCT-1.2 SOCIOLOGY OF RELIGION</p>	<ul style="list-style-type: none"> <li>• Study will help us to know the need of basic institution i.e. Religion</li> <li>• It acknowledges us on changing religions faith, from primitive to modern man</li> </ul>

	<ul style="list-style-type: none"> <li>• Knowledge of different religions faith and practice will help us to know other religion, it will reduce intolerance ethnocentrism</li> <li>• Misconceptions about other religion can be curtailed</li> </ul>
M.A. II Semester III OET-1.1 SOCIOLOGY OF GENDER (2134306)	<ul style="list-style-type: none"> <li>• The study will acknowledge the student about struggle of gender movement</li> <li>• Theories on gender will give a classical perspective on gender status, issues and problems</li> <li>• Gender studies will Modulee the famine force for their dignity and rights</li> <li>• Feminism will enlighten on the contribution of women toward society</li> <li>• Study will reduce gender discrimination</li> </ul>
M.A. II Semester III OET-1.2 EDUCATION AND SOCIETY	<ul style="list-style-type: none"> <li>• Student understands the sociological perspectives on education.</li> <li>• Students understands interrelationship between education ,society interface.</li> </ul>
M. A. II Semester IV HCT – 1.1 Theoretical Perspectives in Sociology (2134401)	<ol style="list-style-type: none"> <li>1) Student understands the sociological perspectives on education.</li> <li>2)Students understands interrelationship between education ,society interface.</li> </ol>
M. A. II Semester IV HCT- 1.2 -III Research Project (2134402)	<ol style="list-style-type: none"> <li>1) Student understands the sociological perspectives on education.</li> <li>2)Students understands interrelationship between education ,society interface.</li> </ol>
M. A. II Semester IV HCT- 1.3 SOCIAL ANTHROPOLOGY (2134403)	<ol style="list-style-type: none"> <li>1) Student understands the sociological perspectives on education.</li> <li>2)Students understands interrelationship between education ,society interface.</li> </ol>
M. A. II Semester IV SCT-1.1 POLITICAL SOCIOLOGY (2134404)	<ol style="list-style-type: none"> <li>1) Student understands the sociological perspectives on education.</li> <li>2)Students understands interrelationship between education ,society interface.</li> </ol>
M. A. II Semester IV SCT-1.2 SOCIOLOGY OF RELIGION	<ol style="list-style-type: none"> <li>1) Student understands the sociological perspectives on education.</li> <li>2)Students understands interrelationship between education ,society interface.</li> </ol>
M. A. II Semester IV SCT – 1.1 SOCIOLOGY OF HUMAN RIGHTS	<ul style="list-style-type: none"> <li>• Identify and evaluate the historical, philosophical, political and cultural developments establishing human rights as a set of global norms, agreements, and procedures.</li> <li>• Explore global human rights institutions, law, and processes, and assess the impact of their interaction with national and local cultural practices and norms.</li> </ul>

	<ul style="list-style-type: none"> <li>• Critically examine the impact of diverse geographic, cultural and theoretical contexts on the social acceptance and practical application of human rights norms.</li> <li>• Synthesize interdisciplinary approaches and contributions to topics such as gender, race, poverty, violence and post-colonialism within a human rights framework.</li> <li>• Reflectively evaluate the effectiveness of human rights practice on local, national or international humanitarian efforts.</li> </ul>
M. A. II Semester IV SCT-1.2 ENVIRONMENT AND SOCIETY (2134407)	<ul style="list-style-type: none"> <li>• Students understand various approaches to environmental sociology</li> <li>• Students reflect critically about their roles and identities as citizens, consumers and environmental actors in a complex, interconnected world.</li> <li>• Student understand the theoretical perspectives on environment.</li> </ul>
MA II Semester IV Skill Enhancement Course Clinical Sociology	<ul style="list-style-type: none"> <li>• Students are able to know issues in the sociology of health and illness.</li> <li>• Students will become health conscious after this course</li> <li>• Students can get help to study community health problems.</li> </ul>

## Department of Geography

<b>Course Title</b>	<b>Course Outcomes (Cos), Programme Specific Outcomes (PSOs)</b>
B.A. I Semester I GEOGRAPHY-I (2011112) Title: GEOMORPHOLOGY	<ul style="list-style-type: none"> <li>• Understand physical, social, Economic and environmental perspectives.</li> <li>• Remember study the earth movements</li> <li>• Compare geomorphic Processes such as weathering, mass wasting etc.</li> <li>• Understand the methods of representation of relief.</li> <li>• Compare the evolution of Landforms.</li> </ul>
B.A. I Semester II GEOGRAPHY-II (2011212) Title:HUMAN GEOGRAPHY	<ul style="list-style-type: none"> <li>• Understand concept of Human Geography</li> <li>• Compare growth and distribution of population</li> <li>• Solve problems of settlements</li> <li>• Classify Races of Griffith Taylor</li> <li>• Analyse Religious and Language Groups in the World.</li> </ul>
B.A. II Semester III OPTIONAL GEOGRAPHY IDS-I	<ul style="list-style-type: none"> <li>• Understand about the tourism influencing factors</li> </ul>

<p>(2111324) Title: Introduction to Tourism Geography</p>	<ul style="list-style-type: none"> <li>• Understand the different dimensions of tourism</li> <li>• Learn the recent trends and dynamics of tourism in the context of globalization.</li> <li>• Apply the principals of sustainable tourism and analyze the problems and prospects of associated with tourism.</li> </ul>
<p>B.A. II Semester IV OPTIONAL GEOGRAPHY IDS-II (2111424) Title: Geography of Maharashtra</p>	<ul style="list-style-type: none"> <li>• Understand the physical profile of the region.</li> <li>• Understand the climatic variation of Maharashtra</li> <li>• Study the spatial distribution and utilization of resource for sustainable development.</li> <li>• Student will examine population dynamics and characteristics.</li> </ul>
<p>B.Sc. I Semester I DSC-A Theory-I: Geomorphology- I 2031116</p>	<ul style="list-style-type: none"> <li>• Demonstrate concepts of Geomorphic Process</li> <li>• Remember the Concept and cycle of erosion</li> <li>• Understand concept and Cycle of Erosion</li> <li>• Compare the erosional and depositional</li> </ul>
<p>B.Sc. I Semester II DSC-A Theory-II: Geomorphology- II 2031117</p>	<ul style="list-style-type: none"> <li>• Understand concept of Human Geography</li> <li>• Classify and Compare race</li> <li>• Analyze the Human Culture through religious and language group in the world</li> <li>• Compare the tribes in cold desert and mountain region.</li> </ul>
<p>B.Sc. I Semester I DSC-A Theory-I: Human Geography-I 2031216</p>	<ul style="list-style-type: none"> <li>• Understand concept of population</li> <li>• Compare growth and distribution of population</li> <li>• Compare rural and urban settlements</li> <li>• Classify Factors affecting on Agriculture</li> <li>• Solve the Problems of Agriculture.</li> </ul>
<p>B.Sc. I Semester II DSC-A Theory-II: Human Geography-II 2031217</p>	<ul style="list-style-type: none"> <li>• Construct proper map through cartographic techniques and tools.</li> <li>• Make use of proper Map Scale</li> <li>• Construct and classify Projection of Maps.</li> </ul>
<p>B.Sc. I Semester I and II DSC-A and B Practical-I: Cartographic Techniques-I 2031227</p>	<ul style="list-style-type: none"> <li>• Construct proper map through cartographic techniques and tools.</li> <li>• Make use of proper Statistical Data and methods</li> <li>• Remember the concept of Remote Sensing.</li> </ul>
<p>B.Sc. II Semester III DSC-1C Theory Paper-V: Climatology 2131315</p>	<ul style="list-style-type: none"> <li>• Students will demonstrate knowledge of the atmosphere.</li> <li>• Learn the interaction between the atmosphere and the earth surface.</li> <li>• Student will recognize the significance of atmospheric concepts for understanding socio-</li> </ul>

	economic progress.
B.Sc. II Semester III DSC-1C Theory Paper-VI: Physical Geography of India 2131316	<ul style="list-style-type: none"> <li>• Understand the physical profile of the country.</li> <li>• Understand the climatic variation of India.</li> <li>• Study the spatial distribution and utilization of resource for sustainable development.</li> </ul>
B.Sc. II Semester IV DSC-1C Practical-II: Statistical Methods in Geography 2131426	<ul style="list-style-type: none"> <li>• Understand quantitative techniques in Geography</li> <li>• Acquire knowledge about different types sampling</li> <li>• Understand the statistical application and interpretation.</li> </ul>
B.Sc. II Semester IV DSC-1D Theory Paper-VII: Economic Geography 2131415	<ul style="list-style-type: none"> <li>• Distinguish different types of economic activities and their utilities.</li> <li>• Understand the factors responsible for the location and distribution of activities.</li> <li>• Examine the trend of world economic development.</li> </ul>
B.Sc. II Semester IV DSC-1D Theory Paper-VIII: Economic and Demographic Geography of India 2131416	<ul style="list-style-type: none"> <li>• Understand the agricultural profile of country.</li> <li>• Study the Types, spatial distribution and utilization of economic factors for development.</li> <li>• Student will examine population dynamics and characteristics with contemporary issues in India.</li> </ul>
B.Sc. II Semester IV DSC-1D Practical-III: Field Work and Research Methodology 2131426	<ul style="list-style-type: none"> <li>• Conduct proper field work for the collection of primary data to bring out grassroots realities</li> <li>• Make use of proper tools and surveying methods for measurement in context of collection and processing of data</li> <li>• Know to prepare a project report based on data.</li> </ul>

## Department of Political Science

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.A. I Semester I POLITICAL SCIENCE-I(2011113) TITLE: Indian Government and Politics भारतीय शासन आणि राजकारण	<ul style="list-style-type: none"> <li>• The student will get acquainted with the basic structures of the Indian Constitution.</li> <li>• The student will be familiarized with the political process and the various factors shaping the politics of India.</li> </ul>
B.A. I Semester II	<ul style="list-style-type: none"> <li>• The student will get acquainted with the</li> </ul>

<p>POLITICAL SCIENCE-II(2011213) TITLE: Indian Government and Politics</p>	<p>basic structures of the Indian Constitution.</p> <ul style="list-style-type: none"> <li>• The student will be familiarized with the political process and the various factors shaping the politics of India.</li> </ul>
<p>B.A. II Semester III OPTIONAL POLITICAL SCIENCE IDS-I (2111325) PUBLIC ADMINISTRATION-I</p>	<ul style="list-style-type: none"> <li>• Students will get the knowledge and understanding of key concepts of Public Administration. They will be able to make a difference between the public administration and private administration.</li> <li>• The students will be able to explain the importance of organization, the units of organization and understand the importance of financial administration in India.</li> <li>• They will be able to explain the idea of New Public Administration and the concept of New Public Management.</li> <li>• Students will understand and explain the process of public policy and the interface between citizens and Public Administration.</li> </ul>
<p>B.A. II Semester IV OPTIONAL POLITICAL SCIENCE IDS-II (2111425) PUBLIC ADMINISTRATION-II</p>	<ul style="list-style-type: none"> <li>• Students will get the knowledge and understanding of key concepts of Public Administration. They will be able to make a difference between the public administration and private administration.</li> <li>• The students will be able to explain the importance of organization, the units of organization and understand the importance of financial administration in India.</li> <li>• They will be able to explain the idea of New Public Administration and the concept of New Public Management.</li> <li>• Students will understand and explain the process of public policy and the interface between citizens and Public Administration.</li> </ul>
<p>M.A. I Semester I Hard Core (HC) Compulsory Paper HC Sem I 1.1 POLITICAL THEORY – I (2044101)</p>	<ul style="list-style-type: none"> <li>• The student will acquaint with the various stages of political theory and the relevance of learning the subject.</li> <li>• The student will critically analyze different theories which are significant in the development of political science.</li> </ul>
<p>M.A. I Semester I Hard Core (HC) Compulsory Paper HC Sem I 1.2 Major Ideas in Public Administration (2044102)</p>	<ul style="list-style-type: none"> <li>• The student will comprehend the importance of Public Administration in everyday life. The student will be familiarized with different approaches and key issues as well as the citizen centric approach of the new</li> </ul>

	Public Administration.
M.A. I Semester I Hard Core (HC) Compulsory Paper HC Sem I 1.3 Constitution of India (2044103)	<ul style="list-style-type: none"> <li>The student will get acquainted with the basic structures and provisions of the Indian Constitution. The student will critically analyze the rules and regulations governing various organs of the government.</li> </ul>
M.A. I Semester I Discipline Specific Elective Soft Core (DSE-SC) Optional Paper Group A DSE-SC 1.1 Political Sociology (2044104)	<ul style="list-style-type: none"> <li>The student will discover the nature and scope of political sociology. The student will be able to understand the concepts of political culture, political socialization, political participation, political elites and the impact of social movements.</li> </ul>
M.A. I Semester I Discipline Specific Elective Soft Core (DSE-SC) Group A DSE-SC 1.2 Modern Indian Political Thought	<ul style="list-style-type: none"> <li>The student will learn the contribution of Indian political thinkers in the realm of political thought. The student will develop a critical awareness about the distinctive features of the political theory tradition in modern India.</li> </ul>
M.A. I Semester I Soft Core (SC) Optional Paper Group B SC 1.1 Public Policy and Analysis (2044106)	<ul style="list-style-type: none"> <li>The student will learn the meaning and approaches of public policy. The student will familiar with the various aspects of public policy processes.</li> </ul>
M.A. I Semester I Soft Core (SC) Group B SC 1.2 Economic Administration in India	<ul style="list-style-type: none"> <li>The student will understand the details of economic/financial administration in India. The student will learn budgetary process in India and the role of various agencies involved in this process.</li> </ul>
M.A. I Semester II Hard Core (HC) Compulsory Paper HC Sem II 1.3 Political Process in India (2044203)	<ul style="list-style-type: none"> <li>The student will be familiarized with the actual political process in India. The student will critically understand the issues and factors influencing Indian politics.</li> </ul>
M.A. I Semester II Soft Core (SC) Optional Paper Group A SC 1.1 Electoral Politics in India (2044204)	<ul style="list-style-type: none"> <li>The student will learn the different stages of electoral politics in India. The student will realize the role of election commission and the patterns of voting during the last seven decades in India.</li> </ul>
M.A. I Semester II Soft Core (SC) Group A SC 1.2 Ancient Indian Political Thought	<ul style="list-style-type: none"> <li>The student will acquaint with the rich tradition of political thought in ancient India. The student will critically analyze the different traditions of political theory in ancient India.</li> </ul>
M.A. I Semester II Generic Open Elective (OE) OE 1.1 Human Rights (2044206)	<ul style="list-style-type: none"> <li>The student will recognize the importance of Human Rights. The student will learn different aspects of human rights. The student will be acquainted with the</li> </ul>

	challenges in implementation of the human rights
M.A. I Semester II Generic Open Elective (OE) OE 1.2 Indian Administration	<ul style="list-style-type: none"> <li>The student will learn the evolution of Indian administration as well as the current process. The student will acquaint with the structures of administration and administrative reforms in India.</li> </ul>
M.A. II Semester III Hard Core (HC) Compulsory Paper 1.1 International Relations (2144301)	<ul style="list-style-type: none"> <li>Familiarization with the key concepts of the discipline of IR and the linkages between Classical Realism and Classical Geopolitics.</li> <li>b. Comprehensive understanding of the key assumptions and arguments of the mainstream IR</li> </ul>
M.A. II Semester III Hard Core (HC) Compulsory Paper 1.2 Political Process in Maharashtra (2144302)	<ul style="list-style-type: none"> <li>This course intends to introduce students to an in-depth study of politics of Maharashtra. Students are expected to understand the historical evolution of Maharashtra. They will be able to analyze the influence of various factors which shape the political process in Maharashtra.</li> </ul>
M.A. II Semester III Hard Core (HC) Compulsory Paper 1.3 Research Methodology (2144303)	<ul style="list-style-type: none"> <li>The student will be able to use different quantitative and qualitative tools and techniques in their research.</li> <li>The student will learn to use various aspects of research proposal, data collection and analysis.</li> <li>The students will be aware of the importance of ethics in research.</li> </ul>
M.A. II Semester III Discipline Specific Elective Soft Core DSE SC A 1.1 Western Political Thought-I (2144304)	<ul style="list-style-type: none"> <li>Students will be acquainted with the key ideas of all the political philosophies given in the course.</li> <li>They will be able to explain what was the ideal state beginning with Plato and ending with the idealism of Hegel, Green and Bosanquet.</li> </ul>
M.A. II Semester III Discipline Specific Elective Soft Core DSE SC A 1.2 International Organizations	<ul style="list-style-type: none"> <li>Students will be able to relate and analyze the processes and outcomes of international relations with international organizations.</li> </ul>
M.A. II Semester III Generic Open Elective (OE) OE 1.1 MEDIA AND DEMOCRACY	<ul style="list-style-type: none"> <li>Students will be able to comprehend the meaning and nature of political communication, and analyze the concepts</li> </ul>

(WITH SPECIAL REFERENCE TO INDIA) (2144306)	and functions of mass media as well as evolving concepts such as information society. Students will be able to analyze the role of media in a democracy (with special reference to India), and recognize the corporatization of media & the role of social media in Indian Lok Sabha elections of 2014 and 2019.
M.A. II Semester III Generic Open Elective (OE) OE 1.2 Indian Federalism	<ul style="list-style-type: none"> <li>Students will realize why India is a 'holding' together Federation. They will be able to analyze cooperation and conflict among the centre-state relations.</li> </ul>
M.A. II Semester IV Hard Core (HC) Compulsory Paper 1.1 India's Foreign Policy (2144401)	<ul style="list-style-type: none"> <li>Students will be able to appreciate the salient features of India's foreign policy and explain how, why and to what extent India's foreign policy has changed in the new global and regional contexts. They will try to learn the details in India's relations with her South Asian neighbors and major powers as well as changing nature of India's foreign policy.</li> </ul>
M.A. II Semester IV Hard Core (HC) Compulsory Paper 1.2 Local Self Government (2144402)	<ul style="list-style-type: none"> <li>The students will obtain knowledge about the basic constitutional structures and various stages of development of local self government. They will be able to comprehend the structure, organization and functions of local level government with special reference to Maharashtra.</li> </ul>
M.A. II Semester IV Hard Core (HC) Compulsory Paper 1.3 DISSERTATION / RESEARCH PROJECT (2144403)	<ul style="list-style-type: none"> <li>The students will be able to design their research problem and write the dissertation.</li> </ul>
M.A. II Semester IV Discipline Specific Elective Soft Core DSE SC B 1.1 Western Political Thought-II (2144404)	<ul style="list-style-type: none"> <li>The students will be able to make distinction between Utopian and Democratic version of Socialism and the Utilitarian tradition of Mill and Bentham.</li> <li>The student will be able to analyze the political process with different perspectives of Marxism and Neo-Marxism as well as the Contemporary Democratism.</li> </ul>
M.A. II Semester IV Discipline Specific Elective Soft	<ul style="list-style-type: none"> <li>The student will be able to identify with the contribution of administrative thinkers in</li> </ul>

Core DSE SC B 1.2 Administrative Theories	development of the discipline.
M.A. II Semester IV Soft Core B Paper 1.1 Contemporary Political Issues (2144406)	<ul style="list-style-type: none"> <li>The students will be able to analyze the contemporary political issues with the help of political debates raised in political thought.</li> </ul>
M.A. II Semester IV Soft Core B Paper 1.2 Social Movements and Politics in India	<ul style="list-style-type: none"> <li>To reveal and explore the relationship of People, State and society.</li> <li>b. To motivate students to comprehend the basic ideologies and strategies of the social movements.</li> <li>c. To equip the students with the knowledge of Sociology of Politics.</li> </ul>
M.A. II Semester IV Skill Enhancement Course Political Journalism	<ul style="list-style-type: none"> <li>The student will get acquainted with importance of media and help them acquire media skills to report and analyze political process in India.</li> </ul>

## Department of Civil Services

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.A. CS I Semester I ENGLISH FOR COMMUNICATION-I (2171101)	<ul style="list-style-type: none"> <li>Use English effectively in both oral and written communication</li> <li>Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.A. CS I Semester I ENGLISH-I (2171201)	<ul style="list-style-type: none"> <li>Use English effectively in both oral and written communication</li> <li>Appreciate literary beauty of the poems, stories and essays.</li> </ul>
B.A. CS I Semester I COMPULSORY MARATHI-I (2017102) PAPER I – साहित्यदर्पण	<ul style="list-style-type: none"> <li>विद्यार्थ्यांना मराठी गद्य व पद्य वाङ्मयाची प्राथमिक ओळख होईल.</li> <li>मराठी गद्य व पद्याच्या भाषेचे विविधांगी स्वरूप समजेल.</li> <li>विद्यार्थ्यांना भाषा अभिव्यक्तीचे महत्त्व समजेल.</li> <li>विद्यार्थ्यांना भाषण कौशल्य आत्मसात होऊन तो व्यक्तिमत्त्व विकासातील विविध स्पर्धांमध्ये भाग घेईल.</li> <li>विद्यार्थ्यांमधून व्यावसायिक सूत्रसंचालक तयार होतील.</li> </ul>
B.A. CS I Semester I COMPULSORY MARATHI-II (2017202) PAPER II - साहित्यदर्पण	<ul style="list-style-type: none"> <li>विद्यार्थ्यांना मराठी गद्य व पद्य वाङ्मयाची प्राथमिक ओळख होईल.</li> <li>मराठी गद्य व पद्याच्या भाषेचे विविधांगी स्वरूप समजेल.</li> <li>विद्यार्थ्यांना भाषा अभिव्यक्तीचे महत्त्व समजेल.</li> <li>विद्यार्थ्यांना भाषण कौशल्य आत्मसात होऊन तो व्यक्तिमत्त्व विकासातील विविध स्पर्धांमध्ये भाग घेईल.</li> <li>विद्यार्थ्यांमधून व्यावसायिक सूत्रसंचालक तयार होतील.</li> </ul>

## AECC and SEC

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.A. II, B. Com II, B.Sc. II, B. B. A. II, B.C.A, B.Sc. (ECS) II Semester IV ENVIRONMENTAL STUDIES (2100433)	<ul style="list-style-type: none"> <li>• Explain the basic concepts in Environmental Studies</li> <li>• Categorize Ecosystems in different regions</li> <li>• Examine Natural Resources and Associated Problems</li> <li>• Motivate people for the conservation of environment</li> <li>• Justify the need of sustainable development,</li> <li>• Field study to a local area to document environmental assets.</li> </ul>
B.Sc. II Semester IV AECC-C ENVIRONMENTAL STUDIES 2131315	<ul style="list-style-type: none"> <li>• Explain the basic concepts in Environmental Studies</li> <li>• Categorize Ecosystems in different regions</li> <li>• Examine Natural Resources and Associated Problems</li> <li>• Motivate people for the conservation of environment</li> <li>• Justify the need of sustainable development,</li> <li>• Field study to a local area to document environmental assets.</li> </ul>
B.Sc. II Semester III Division A SEC-1 Theory Paper-I: Gr. A: Programming skill using C-I 2131319	<ul style="list-style-type: none"> <li>• Students will have developed their programming skills which will allow them to perform various computational tasks in their respective fields of sciences more effectively.</li> </ul>
B.Sc. II Semester III Division B DSC-1C SEC-1 Theory Paper-I: Gr. B: Soil Health Management-I 2131320	<ul style="list-style-type: none"> <li>• Classify the soil based on composition</li> <li>• Describe soil profile based on different layers</li> <li>• Describe physical and chemical properties of different soils.</li> <li>• Describe biotic and abiotic component of soil along with their interaction.</li> <li>• Describe importance of vermicompost in soil health enrichment.</li> <li>• Elaborate different methods for improvement of soil conditions.</li> </ul>

## Department of Statistics

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. I Semester I DSC-A Theory-I Title: Descriptive Statistics-I (2031108)	<ul style="list-style-type: none"> <li>After completion of this course, students can understand the basics of probability and its methods. They can easily compute the probabilities of various events in the situation of random experiments. Also, they can understand basics of probability distribution of a discrete random variable.</li> </ul>
B.Sc. I Semester I DSC-A Theory-II Title: Probability and Discrete Probability Distributions-I (2031109)	<ul style="list-style-type: none"> <li>After completion of this course, students can understand the basics of probability and its methods. They can easily compute the probabilities of various events in the situation of random experiments. Also, they can understand basics of probability distribution of a discrete random variable.</li> </ul>
B.Sc. I Semester II DSC-B Theory-I Title: Descriptive Statistics-II (2031208)	<ul style="list-style-type: none"> <li>After completion of this course, students can analyse data pertaining to attributes and interpret the results. They can study about the correlation between two variables and use the knowledge in regression analysis. They can construct index numbers in the various fields of economics and study the relative changes occurred in variables.</li> </ul>
B.Sc. I Semester II DSC-B Theory-II Title: Probability and Discrete Probability Distributions-II (2031209)	<ul style="list-style-type: none"> <li>After completion of this course, students can understand some standard discrete probability distributions and compute probabilities of occurring of various events in real life situations. Also they can understand basics of probability distribution of a bivariate discrete random variable.</li> </ul>
B.Sc. II Semester III DSC-1C Theory Paper-V: Probability Distribution-I 2131307	<ul style="list-style-type: none"> <li>After completion of this course, students can understand the basic concepts of continuous univariate and bivariate distributions, transformation of univariate continuous random variable.</li> </ul>
B.Sc. II Semester III DSC-1C Theory Paper-VI: Statistical Methods 2131308	<ul style="list-style-type: none"> <li>After completion of this course, students can understand the basic concepts of Multiple Linear Regression, Multiple and Partial Correlation, Sampling Theory and the meaning, purpose and use of Statistical Quality Control, construction and working of Shewhart's control charts for variables and attributes</li> </ul>
B.Sc. II Semester IV DSC-1D Theory Paper-VII: Probability Distribution -II 2131407	<ul style="list-style-type: none"> <li>After completion of this course, students will learn the applications of Uniform, Exponential, Gamma, Beta &amp; Normal distributions in real life. They will learn Exact Sampling distributions and its application in small sample</li> </ul>

	tests. Students will enable to perform small & large sample tests with real life data.
B.Sc. II Semester IV DSC-1D Theory Paper-VIII: Applied Statistics 2131408	<ul style="list-style-type: none"> <li>After completion of this course, students will understand the concepts of Time Series its need and use in real life, different aspects of demography and its importance, construction of life table, theory and real -life situations of queuing theory.</li> </ul>

## Department of Mathematics

<b>Course Title</b>	<b>Course Outcomes (Cos), Programme Specific Outcomes (PSOs)</b>
B.Sc. I Semester I DSC-A Theory-I MATHEMATICS-I (2031106) Title: Algebra	<ul style="list-style-type: none"> <li>To find rank of the matrix, inverse of matrix by using Cayley-Hamilton theorem.</li> <li>To obtain the solution system of linear equations,</li> <li>To find Modulus and Argument of a complex numbers, De-Moiver's theorem and its applications, Roots of Complex number.</li> <li>To Find out Circular functions and their inverses and Hyperbolic functions of a complex variable with their Inverses.</li> <li>To Understood Definition of a group, Basic properties and examples.</li> </ul>
B.Sc. I Semester I DSC-A Theory-II MATHEMATICS-II (2031107) Title: Calculus	<ul style="list-style-type: none"> <li>Evaluate the limits using L'Hospital rule.</li> <li>Find the nth derivatives using properties.</li> <li>Apply the Leibnitz rule</li> <li>Find higher order partial derivatives using definitions.</li> <li>Expand the functions</li> <li>Find degree of homogeneity</li> <li>Find the p.d.s using Euler's and composite rules and corollaries.</li> <li>Understand definitions of vectors and scalars</li> <li>Use vector differentiation in other branches.</li> </ul>
B.Sc. I Semester -II DSC-B Theory-I MATHEMATICS-III(2031206) Title: Geometry	<ul style="list-style-type: none"> <li>To find out Translations, Rotations, Invariants, and Identification of Conic from general form of Second-degree Equation, Polar Co-ordinates, and Conversion formulae.</li> <li>To find out Intersection of a sphere and a line, Plane of Contact and Polar plane.</li> <li>To find Intersection of two spheres, intersection of a cone with plane and line.</li> <li>To find equation of enveloping cone and cylinder.</li> </ul>
B.Sc. I Semester -II DSC-B Theory-I	<ul style="list-style-type: none"> <li>Choose the appropriate method</li> <li>Use var.sep. form in finding solution to first</li> </ul>

<p>MATHEMATICS-IV(2031207) Title: Differential Equations</p>	<p>order ode</p> <ul style="list-style-type: none"> <li>• Use homogeneous and non-homo. Methods to solve ode and types to which it belongs.</li> <li>• Solve the linear and reducible equations</li> <li>• Choose the proper rule of finding IF</li> <li>• Find the CF in all cases</li> <li>• Select the exact useful method to solve the LDEs with constant coefficients</li> <li>• Identify the applications of Mathematics in other disciplines</li> <li>• Model the problems of growth and decay, electric ckts and carbon dating etc.</li> </ul>
<p>B.Sc. II Semester -III DSC-1C Theory Paper-V: Differential Calculus 2131305</p>	<ul style="list-style-type: none"> <li>• Evaluate the Tangents, Normals, Subtangent, Subnormal in Cartesian and Polar form.</li> <li>• Derive Cartesian, Polar, Parametric and Pedal equation, radius of curvature and evaluate.</li> <li>• Explain Jacobians and evaluate.</li> <li>• Derive necessary and sufficient conditions for Extreme value.</li> <li>• Find the Fourier transform of a function.</li> </ul>
<p>B.Sc. II Semester -III DSC-1C Theory Paper-VI: Laplace and Fourier Transform 2131306</p>	<ul style="list-style-type: none"> <li>• Evaluate the Laplace transform of a function.</li> <li>• Evaluate time function by using inverse LT.</li> <li>• Derive necessary and sufficient conditions of existence of a Laplace Transform.</li> <li>• Solve ordinary and partial differential equations using Laplace transform technique.</li> <li>• Find the Fourier transform of a function.</li> </ul>
<p>B.Sc. II Semester -IV DSC-1D Theory Paper-VII: Differential Equations 2131405</p>	<ul style="list-style-type: none"> <li>• Solve first order and degree higher than first using various methods and Clairauts equations.</li> <li>• Solve homogeneous and second order ODE by using various types and substitutions.</li> <li>• Explain the methods of solving homogeneous (2-types) and second order equation (3-types) and its applications.</li> <li>• Evaluate CF and PI in each case.</li> <li>• Explain the condition of integrability.</li> </ul>
<p>B.Sc. II Semester -IV Theory Paper-VIII: Group Theory 2131406</p>	<ul style="list-style-type: none"> <li>• Identify algebraic structures as groups.</li> <li>• Explain Equivalence, Congruence and Divisibility.</li> <li>• Explain cyclic, normal groups and theorems.</li> <li>• Explain group homomorphism.</li> </ul>

## Department of Electronics

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. I Semester I DSC-A Theory-I ELECTRONICS-I (2031110) Title: Basic Circuit Theory and Network Analysis	<ul style="list-style-type: none"> <li>• Explore fundamental laws and elements of electrical circuits.</li> <li>• Understand DC circuit, theorems, and networks.</li> <li>• Reduce more complicated circuits into simpler equivalent circuits</li> <li>• Understands AC circuits and related terminologies with examples.</li> <li>• Design simple DC and AC circuits and solve numerical problems.</li> </ul>
B.Sc. I Semester I DSC-A Theory-II ELECTRONICS-II (2031111) Title: Digital Fundamentals	<ul style="list-style-type: none"> <li>• Convert different type of codes and number systems in computers and communication.</li> <li>• Describe switch model used to illustrate building blocks of digital circuits.</li> <li>• Use Boolean algebra and Karnaugh maps for reduction of logic expressions and circuits.</li> <li>• Perform arithmetic operation on binary numbers and design simple arithmetic logic circuits</li> <li>• Introduction to TTL logic family</li> </ul>
B.Sc. I Semester II DSC-B Theory-I ELECTRONICS-III (2031210) Title: Semiconductor Devices	<ul style="list-style-type: none"> <li>• Understand the basic material and properties of semiconductors</li> <li>• Explore the constructional features of basic semiconductor devices.</li> <li>• Describe the biasing principles of semiconductor devices like diode and transistors</li> <li>• Understand basic diode circuits</li> <li>• Explain the I-V characteristics of semiconductor devices like diode, BJT, UJT, JFET, MOSFET, SCR, DIAC, TRIAC &amp; IGBT</li> </ul>
B.Sc. I Semester II DSC-B Theory-II ELECTRONICS-IV (2031211) Title: Digital Electronics	<ul style="list-style-type: none"> <li>• Introduction to PLCs</li> <li>• Understand different combinational logic circuits such as decoder, encoder, multiplexers and de-multiplexers</li> <li>• Understand flip flops</li> <li>• Develop counters, shift registers using flip flops.</li> </ul>
B.Sc. I Semester I and II DSC-A & DSC-B ELECTRONICS PRACTICAL-I (2031224)	<ul style="list-style-type: none"> <li>• Use appropriate ICT tool, wherever necessary, for effective teaching.</li> <li>• Use diagrams to discuss different AC/DC circuits.</li> <li>• Use diagrams to discuss different device structures.</li> <li>• Use audio-visual media to demonstrate practical related concepts.</li> <li>• Use of simulation tools to demonstrate basic digital circuits</li> </ul>
B.Sc. II Semester -III	<ul style="list-style-type: none"> <li>• Design appropriate biasing and Q point</li> </ul>

DSC-1C Theory Paper-V: Electronics Circuits 2131309	<ul style="list-style-type: none"> <li>stabilization technique for transistor amplifier</li> <li>Interpret transistor models and configurations</li> <li>Illustrate about BJT amplifiers and compare their performances</li> <li>Build multistage and power amplifier</li> <li>Build feedback amplifier and oscillator for any frequency</li> </ul>
B.Sc. II Semester -III DSC-1C Theory Paper-VI: Pulse and Switching Circuits 2131310	<ul style="list-style-type: none"> <li>Design various wave shaping circuits for different applications</li> <li>Apply concept of time base circuits in circuit designing</li> <li>Design and build transistor and IC555 based multi-vibrator for various applications</li> </ul>
B.Sc. II Semester -IV DSC-1D Theory Paper-VII: Operational Amplifier and Applications 2131409	<ul style="list-style-type: none"> <li>To make DC and AC analysis differential amplifier</li> <li>Understand basics of Op-amp and its parameters</li> <li>To design various linear and non-linear applications of Op-amp</li> <li>To build oscillators using Op-amp for any frequency.</li> </ul>
B.Sc. II Semester -IV DSC-1D Theory Paper-VIII: Sensors and Transducers 2131410	<ul style="list-style-type: none"> <li>Categorize and give details of sensors and transducers with examples, used for measurement of temperature, motion, position, pressure and light</li> <li>Gain knowledge of sensor and Actuators used in instrumentation design</li> </ul>
B.Sc. II Semester -IV DSC-1C Practical-II: Electronics Practical and Practical-III: Electronics Practical 2131423	<ul style="list-style-type: none"> <li>Design appropriate biasing and Q point stabilization technique for transistor amplifier</li> <li>Design &amp; analyze different amplifier circuits</li> <li>Build feedback amplifier</li> <li>Design &amp; analyze different multi-vibrator circuits.</li> <li>Design &amp; analyze different oscillator circuits for any frequency</li> <li>Study of op amp IC 741 characteristics</li> <li>Build and study various Op-amp application circuits</li> <li>Study various applications of sensors and transducers</li> </ul>

## Department of Physics

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. I Semester I DSC-A PHYSICS -I: MECHANICS AND PROPERTIES OF MATTER.	<ul style="list-style-type: none"> <li>Unit 1. Students will acquire knowledge about MI, analyze and evaluate MI with respect to mass, shape and dimensions of the body.</li> <li>Unit 2. Students will gain knowledge about</li> </ul>

(2031104)	<p>oscillatory motion, analyze, synthesize, apply and evaluate the elastic properties of a body.</p> <ul style="list-style-type: none"> <li>• Unit 3. Students will gain knowledge about elasticity of a body, analyze, apply and synthesize the elastic properties of a body.</li> <li>• Unit 4. Students will gain knowledge about pressure, temperature and ST and interrelation between them. On basis of this knowledge student will comprehend, apply, analyze and evaluate properties of fluids related to ST.</li> </ul>
<p>B.Sc. I Semester I DSC-A PHYSICS -II: OPTICS AND LASER (2031105)</p>	<ul style="list-style-type: none"> <li>• Unit 1. Student will comprehend, apply and evaluate the optical properties of light based on the knowledge gained on geometrical optics.</li> <li>• Unit 2. Knowledge gained on interference of light will help the student to apply, analyze, synthesize and evaluate the light and medium properties.</li> <li>• Unit 3. Students will gain knowledge about diffraction and apply, analyze and evaluate the properties of light and medium.</li> <li>• Unit 4. Students will gain knowledge about LASER and apply, analyze and evaluate LASER and their properties.</li> </ul>
<p>B.Sc. I Semester II DSC-B PHYSICS -I: HEAT AND THERMODYNAMICS 2031204</p>	<ul style="list-style-type: none"> <li>• Unit 1. Students will comprehend, apply and analyze the behaviour of gases based on temperature, viscosity and conductivity of the gases and medium.</li> <li>• Unit 2. Students will use the knowledge acquired on liquification of gases to apply, analyze, synthesize and evaluate phase change from gaseous state to liquid state.</li> <li>• Unit 3. Students will use the knowledge gained about thermodynamics to comprehend, apply and evaluate the effect of temperature on the existence on physical state of body.</li> <li>• Unit 4. Students will apply, comprehend, analyze and evaluate heat engines.</li> </ul>
<p>B.Sc. I Semester II DSC-B PHYSICS -II: ELECTRICITY, MAGNETISM AND ELECTRONICS 2031205</p>	<ul style="list-style-type: none"> <li>• Unit 1. Students will apply, evaluate and analyze the functions, properties and use of DC signals.</li> <li>• Unit 2. Students will apply, analyze and evaluate the functions, properties and use of AC signals.</li> <li>• Unit 3. Students will apply, analyze and evaluate the practical importance &amp; drawbacks of magnetostatics.</li> <li>• Unit 4. Students will apply, analyze and evaluate the properties, applications &amp; precautions while handling electronic devices.</li> </ul>

<p>B.Sc. II Semester III DSC-1C PHYSICS-V: GENERAL PHYSICS AND SOUND 2131303</p>	<ul style="list-style-type: none"> <li>• Students will analyze and evaluate the effect of gravitational forces on bodies on basis of inverse square law and superposition theorem.</li> <li>• Students will apply and investigate the different motions of a body.</li> <li>• Students will gain knowledge about elasticity of a body and analyze, apply and synthesize the elastic properties of a body.</li> <li>• Students will gain knowledge about Viscosity and will apply it to motion in viscous medium and they will comprehend, apply, analyze and evaluate viscous fluids with the help of Bernoulli's Theorem and Poiseuille's Equation.</li> <li>• Students will understand the basics of acoustics and apply the acquired knowledge practically when needed.</li> </ul>
<p>B.Sc. II Semester III DSC-1C PHYSICS -VI: ELECTRONICS 2131304</p>	<ul style="list-style-type: none"> <li>• Students will comprehend, apply and design different audio amplifiers.</li> <li>• Students will apply, analyze, synthesize and design different oscillators used in different audio amplifiers.</li> <li>• Students will apply, analyze and design circuits for different applications of unipolar devices.</li> <li>• Students will apply, analyze and use them in different applications.</li> <li>• Students will analyze and design regulated power supply.</li> </ul>
<p>B.Sc. II Semester IV DSC-1D PHYSICS -VII: Optics 2131403</p>	<ul style="list-style-type: none"> <li>• Students will comprehend and analyze cardinal points for thin lenses and thick lenses.</li> <li>• Students will apply, analyze and apply interference in practical situations.</li> <li>• Students will use gained knowledge on Diffraction and Resolving Power to comprehend and apply it in optical applications.</li> <li>• Students will apply, comprehend and analyze Polarization in practical situations.</li> <li>• Students will comprehend and explain Optical fibers, Optical Fiber Communication System.</li> </ul>
<p>B.Sc. II Semester IV DSC-1D PHYSICS -VIII: MODERN PHYSICS 2131404</p>	<ul style="list-style-type: none"> <li>• Student will understand, apply and analyze the relativistic mechanics and operations.</li> <li>• Student will comprehend and analyze the Matter Waves and their properties.</li> <li>• Student will explain and analyze the Vector Atom Model Zeeman Effect.</li> <li>• Student will comprehend and explain X-rays, X-ray production and Compton Effect. Student will analyze and evaluate the properties, practical applications with precautions to be taken while handling X-ray production devices.</li> <li>• Student will explain, analyze and evaluate the</li> </ul>

	properties and practical applications with precautions to be taken while handling Nuclear energy production devices.
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## Department of Chemistry

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. I Semester I DSC-A Theory-I: Physical Chemistry 2031102	<ul style="list-style-type: none"> <li>• Draw graphs by using variables.</li> <li>• Apply rules of differentiation and integration to various Chemical equations.</li> <li>• Prepare standard solutions of different concentrations.</li> <li>• Define and differentiate between order and molecularity of the reaction.</li> <li>• Derive an equation for rate constant of first and second order reaction.</li> <li>• Define the fundamental concepts of thermodynamics.</li> <li>• Calculate the efficiency of heat engine from given data.</li> <li>• Distinguish between ideal and non-ideal gases.</li> <li>• Formulate the relation between Vander wall's constant and critical constants.</li> <li>• Differentiate between concentration terms normality &amp; molarity of the solution.</li> <li>• Solve numerical problems related to theory.</li> </ul>
B.Sc. I Semester I DSC-A Theory-II: Inorganic Chemistry 2031103	<ul style="list-style-type: none"> <li>• Define and identify various types of chemical bonds.</li> <li>• Predict shapes of molecules based on number of electron pairs with respect to VSEPR.</li> <li>• Draw the various molecular orbitals based on MOT</li> <li>• Identify and draw the geometry of molecule from hybridization</li> <li>• Calculate the bond order and stability of simple molecules like O<sub>2</sub>, N<sub>2</sub>, CO &amp; NO.</li> <li>• Apply the Hund's rule of maximum multiplicity.</li> </ul>
B.Sc. I Semester II DSC-B Theory-I: Organic Chemistry 2031202	<ul style="list-style-type: none"> <li>• Explain the structure of reaction intermediates and their role in reaction mechanism.</li> <li>• Differentiate between optical, geometrical and conformational isomers.</li> <li>• Draw the real 3D structure of molecules</li> <li>• Define aromaticity and apply the Huckel's rule to explain aromaticity.</li> <li>• Comment on Aromatic/Nonaromatic character</li> </ul>

	<p>of compounds.</p> <ul style="list-style-type: none"> <li>• Able to predict of sy the mechanism of aromatic electrophilic substitution reactions.</li> <li>• Describe the methods of synthesis of alkanes, alkenes &amp; alkynes and their chemical properties.</li> </ul>
<p>B.Sc. I Semester II DSC-B Theory-II: Analytical Chemistry 2031203</p>	<ul style="list-style-type: none"> <li>• Explain and define the physical properties of liquids such as surface tension, viscosity and dipole moment.</li> <li>• Explain principle, reactions, procedure and calculations needed for qualitative and quantitative analysis of organic compounds.</li> <li>• Identify the oxidation-reduction reactions and also able to balance reactions.</li> <li>• Describe the types of catalysis and mechanism</li> <li>• Describe the factors affecting water and air pollution and health hazardous.</li> <li>• Discuss the applications of petrochemical compounds.</li> </ul>
<p>B.Sc. I Semester I and II DSC-A and B Practical-I: Chemistry Practical 2031220</p>	<ul style="list-style-type: none"> <li>• <b>Physical chemistry:</b></li> <li>• Determine the viscosity of different liquids.</li> <li>• Hands on use of eudiometer to determine equivalent weight of metal.</li> <li>• Application of reaction rates to study hydrolysis of methyl acetate.</li> <li>• Examine the study of second order reaction.</li> <li>• Establish the heat of ionization of weak acid.</li> <li>• <b>Inorganic chemistry:</b></li> <li>• Develop the skill for the preparation of standard solution of any concentration.</li> <li>• Apply the various synthetic skills to prepare inorganic complexes</li> <li>• Identify the presence of cations in a solution by using spot chemical tests.</li> <li>• Develop hands on expertise for the paper chromatographic techniques.</li> <li>• <b>Organic chemistry:</b></li> <li>• Estimate quantitatively the amount of given drug samples.</li> <li>• Identify the given organic compounds qualitatively by applying various simple laboratory tests.</li> <li>• Prepare benzoic acid from benzamide.</li> <li>• Determine the melting and boiling point of given organic compound.</li> </ul>
<p>B.Sc. II Semester III DSC-1C Theory Paper-V: Organic Chemistry 2131301</p>	<ul style="list-style-type: none"> <li>• Explain the structure and reactivity of various functional groups.</li> <li>• Reproduce various synthetic methods leading to alcohols, ethers, phenols, carboxylic acids and amines.</li> </ul>

	<ul style="list-style-type: none"> <li>• Calculate the number of alkoxy groups present in the molecule.</li> <li>• List out various applications of reactions of carbonyl compounds.</li> <li>• Apply Woodward Fischer rules to determine the structure of compounds.</li> <li>• Determine the configuration of stereoisomers.</li> </ul>
<p>B.Sc. II Semester III DSC-1C Theory Paper-VI: Inorganic Chemistry 2131302</p>	<ul style="list-style-type: none"> <li>• Know the meaning of various terms involved in co-ordination Chemistry.</li> <li>• Apply Werner's Theory of metal complexes and identify inner and outer orbital complex.</li> <li>• Draw the geometrical and optical isomerism of complexes.</li> <li>• Calculate Effective Atomic Number.</li> <li>• Differentiate between metal chelate and metal complex, Classification of chelating agent.</li> <li>• Discuss various types of nuclear reactions.</li> <li>• Compare the transition series elements in case of their physical and chemical properties.</li> </ul>
<p>B.Sc. II Semester IV DSC-1D Theory Paper-VII: Physical Chemistry 2131401</p>	<ul style="list-style-type: none"> <li>• Determine Miller and Weiss indices of particles.</li> <li>• Classify the crystal systems.</li> <li>• Explain transport number and applications.</li> <li>• Solve the thermodynamic problems and understand the feasibility.</li> <li>• Calculate interplanar distance.</li> <li>• Illustrate Hittorf's rule and its applications.</li> <li>• Recall Nernst distribution law.</li> </ul>
<p>B.Sc. II Semester IV DSC-1D Theory Paper-VIII: Analytical &amp; Industrial Inorganic Chemistry 2131402</p>	<ul style="list-style-type: none"> <li>• Discuss terminologies in volumetric and gravimetric analysis.</li> <li>• Explain the process of manufacturing of sulphuric acid &amp; ammonia.</li> <li>• Apply drug and cosmetic act 1940.</li> <li>• Explain manufacturing process of cement industry.</li> <li>• Analyze the process of precipitation.</li> <li>• Identify metal ion by using organic precipitate.</li> <li>•</li> </ul>

## M.Sc. Organic Chemistry

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
M.Sc. I Semester I POs	<ul style="list-style-type: none"> <li>• Apply their basic knowledge in various advanced chemistry fields such as Spectroscopic techniques, Organic synthesis, Reagents, Disconnections etc.</li> <li>• Play the role of organic chemist in Society and also for environmental benignity</li> <li>• Able to think and apply their organic subject skills to build a small-scale startup</li> <li>• Acquire skills namely critical thinking, problem solving approach in the various fields of chemistry</li> <li>• Publish/communicate the research works in oral and writing manner</li> </ul>
M.Sc. I Semester I PSOs	<ul style="list-style-type: none"> <li>• Get enormous placement opportunities in Research and Development cell of pharmaceutical polymer and chemical industries.</li> <li>• Acquire various research skills through advanced synthesis practicals for their Doctoral studies in chemistry as well as various fields of science and technology.</li> <li>• Educate with advanced organic chemistry concepts beneficial in CSIR NET, GATE, and SET examination</li> <li>• Get an opportunity to work as Research Assistant (Project Assistant) in IIT's, IISER, CSIR-Labs</li> </ul>
M.Sc. I Semester I HCT – 1.1 Inorganic Chemistry– I (2194101)	<ul style="list-style-type: none"> <li>• Understand the importance of spectroscopic terms, selection rules, electronic spectra of complexes, Orgel diagrams</li> <li>• Easily distinguish amongst diamagnetism, paramagnetism, ferromagnetism in complexes etc. The different formulae to calculate magnetic moment for 3d and higher transition elements series.</li> <li>• Able to draw the important Walsh diagram and visualize the stereochemistry of inorganic compounds</li> <li>• Able to distinguish between metal clusters carbonyls and their classification. Also, the</li> </ul>

	<p>bonding and application of 18 e- rule.</p>
<p>M.Sc. I Semester I HCT 1.2 Organic Chemistry-I (2194102)</p>	<ul style="list-style-type: none"> <li>• Understand the basics of bonding and able to draw correct structure of any organic molecule and comment on its stability.</li> <li>• Easily comment on aromaticity of any organic compound and its stability.</li> <li>• Understand the nucleophilic substitution and its facilitation via neighbouring group participation.</li> <li>• Able to think and predict the possible mechanism of various critical organic reactions.</li> <li>• Able to imagine structure of molecules in 3D manner. Various important configurations such as R/S, E/Z Nomenclature and detailed conformational isomerism.</li> </ul>
<p>M.Sc. I Semester I HCT-1.3 Physical Chemistry-I (2194103)</p>	<ul style="list-style-type: none"> <li>• Understand the Schrodinger wave equation, particle in one dimensional box, the particle in three-dimensional box.</li> <li>• Know about different laws of thermodynamics. Also able to derivations of Maxwell's Relations and Phase rule.</li> <li>• Be conceptually strong in basics and advanced levels of thermodynamics of solutions and statistical thermodynamics.</li> </ul>
<p>M.Sc. I Semester I SCT-1.1 Analytical Chemistry-I (2194104)</p>	<ul style="list-style-type: none"> <li>• Understand the basics of spectroscopic techniques.</li> <li>• Know about thermal stability of compounds. Also, the variation of physical state with temperature graphically.</li> <li>• Able to find the number of lines in ESR spectrum of simple molecules.</li> <li>• Able to understand the Mössbauer effect to the investigations of compounds of iron (Fe) and tin (Sn).</li> <li>• Understand the importance of research. Able to find research papers and aware about current trends in research.</li> <li>• Become familiar with Scopus, H-index, reviewed research journals, Scientific writing etc.</li> </ul>
<p>M.Sc. I Semester I SCT-1.2 Chemistry in Life Sciences</p>	<ul style="list-style-type: none"> <li>• Protein Chemistry</li> <li>• Structure and properties of amino and nucleic</li> </ul>

(2194105)	<p>acid.</p> <ul style="list-style-type: none"> <li>• About an interesting interdisciplinary approach and current research in interdisciplinary area.</li> </ul>
M.Sc. I Semester I Inorganic Chemistry Practical (2194106)	<ul style="list-style-type: none"> <li>• .Student can learn systematic experimental skills in Ore and Alloy analysis.</li> <li>• Students can learn various synthesis steps like oxidation, reduction etc.</li> <li>• Students can able to prepare various complex salts and also determine their purity.</li> </ul>
M.Sc. I Semester I Physical Chemistry Practical (2194108)	<ul style="list-style-type: none"> <li>• Developing hands-on experience on important instruments like potentiometer, PH-meter, polarimeter, colorimeter.</li> <li>• Understanding and performing the non-instrumental experiments like determine dissociation constant, hydrolysis constant of solutions, kinetics etc.</li> </ul>
M.Sc. I Semester I Analytical Chemistry Practical (2194109)	<ul style="list-style-type: none"> <li>• Developing hands-on experience on separation, ion exchange method, titrimetric analysis, colorimetric experiments, conductometric titrations etc.</li> <li>• Able to club the ideas from sub branches of chemistry and find their applications in analytical chemistry.</li> </ul>
M.Sc. I Semester II HCT – 2.1 Inorganic Chemistry – II (2194201)	<ul style="list-style-type: none"> <li>• Understand the structure, physical and chemical properties of inorganic compounds.</li> <li>• Able to know about mechanism of industrial catalytic reactions hydrogenation, hydroformylation etc.</li> <li>• Able to differentiate between magnetic properties of 3d block and higher transition series.</li> <li>• Understand the metallurgy i.e. extraction, properties and applications of copper, silver, gold, zinc, tin and lead.</li> </ul>
M.Sc. I Semester II HCT 2.2 Organic Chemistry (2194202)	<ul style="list-style-type: none"> <li>• Understand the basics of arenium ion, orientation and reactivity in nitration, sulphonation and Friedel-Crafts reaction.</li> <li>• Easily comment on regioselectivity and chemo selectivity in Carbon-Carbon multiple bond addition reaction.</li> <li>• Understand the role of carbon as nucleophile in organometallic compounds and Carbon-Carbon bond formation.</li> </ul>

	<ul style="list-style-type: none"> <li>• Able to think and predict the possible mechanism of various critical organometallic (Grignard reagent, organo zinc and organo lithium) reagents and their reactions.</li> <li>• Able to imagine and predict the important E1, E2 and E1CB mechanisms.</li> </ul>
M.Sc. I Semester II SCT– 2.1 Physical Chemistry-II (2194203)	<ul style="list-style-type: none"> <li>• Understand basics and advances in photochemistry like electronic excitation, photo-dissociation and Pre-dissociation, photo-reduction, photo-oxidation.</li> <li>• Learn advanced electrochemistry concepts including double layer, fluorescence, excimer, exciplex</li> <li>• Become familiar with advanced electrochemistry technologies such as batteries.</li> <li>• Understand higher order kinetics</li> </ul>
M.Sc. I Semester II SCT – 2.2 Green Chemistry (2194204)	<ul style="list-style-type: none"> <li>• Green synthetic routes, green solvents and green reactions.</li> <li>• Become familiar with principles of green and sustainable chemistry.</li> <li>• Learn and able to think about alternate energy sources.</li> </ul>
M.Sc. I Semester II OET -2.1 Analytical Chemistry-II (2194205)	<ul style="list-style-type: none"> <li>• Understand basics of spectroscopy, EMR, absorption, electronic, rotational and vibrational transitions.</li> <li>• Learn to calculate absorption maxima for various organic compounds.</li> <li>• Become familiar with frequencies for various functional groups.</li> <li>• Draw the structure of unknown compound with provided NMR data.</li> <li>• Learn real time applications of separation techniques</li> </ul>
M.Sc. I Semester II OET-2.2 Medicinal Chemistry (2194206)	<ul style="list-style-type: none"> <li>• Understand basics of drug designing</li> <li>• Learn the important aspects of drugs mainly pharmacokinetics and pharmacodynamics.</li> <li>• Know different types of drugs</li> </ul>
M.Sc. I Semester II Inorganic Chemistry Practical (2194207)	<ul style="list-style-type: none"> <li>• Student can learn systematic experimental skills in Ore and Alloy analysis.</li> <li>• Students can learn various synthesis steps like oxidation, reduction etc.</li> <li>• Students can able to prepare various complex</li> </ul>

	salts and also determine their purity.
M.Sc. I Semester II Organic Chemistry Practical (2194208)	<ul style="list-style-type: none"> <li>• Developing hands-on experience on important instruments like potentiometer, PH-meter, polarimeter, colorimeter.</li> <li>• Understanding and performing the non-instrumental experiments like determine dissociation constant, hydrolysis constant of solutions, kinetics etc.</li> </ul>
M.Sc. I Semester II Physical Chemistry Practical (2194209)	<ul style="list-style-type: none"> <li>• Developing hands-on experience on separation, ion exchange method, titrimetric analysis, colorimetric experiments, conductometric titrations etc.</li> <li>• Able to club the ideas from sub branches of chemistry and find their applications in analytical chemistry.</li> </ul>
M.Sc. I Semester II Analytical Chemistry Practical (2194211)	<ul style="list-style-type: none"> <li>• Developing hands-on experience on separation, ion exchange method, titrimetric analysis, colorimetric experiments, conductometric titrations etc.</li> <li>• Able to club the ideas from sub branches of chemistry and find their applications in analytical chemistry.</li> </ul>
M.Sc. II Semester III HCT 3.1 Advanced Organic Chemistry-I (2294301)	<ul style="list-style-type: none"> <li>• Differentiate between different types of stereoisomers</li> <li>• Classify between oxidizing, reducing and organic reagents</li> <li>• Predict the accurate mechanism for various name reactions</li> <li>• Assign the R, S and E/Z configuration to obtained reaction product</li> <li>• Apply suitable/selective reagent for organic reactions</li> </ul>
M.Sc. II Semester III HCT 3.2 Organic Polymers (2294302)	<ul style="list-style-type: none"> <li>• Differentiate between natural and synthetic polymers</li> <li>• Prepare polymers from using suitable monomer</li> <li>• Apply the knowledge of various methods to prepare polymers.</li> <li>• Predict the stepwise mechanism of polymerization.</li> <li>• Able to classify the polymers based on their usage and physical properties.</li> </ul>
M.Sc. II Semester III	<ul style="list-style-type: none"> <li>• Determine the structure from the provided</li> </ul>

<p>SCT-3.1 Organic Spectroscopy (2294303)</p>	<p>structural data</p> <ul style="list-style-type: none"> <li>• Differentiate between inorganic and organic spectroscopies</li> <li>• Apply the theoretical knowledge of spectroscopy to determine the structure of unknown compounds.</li> <li>• Calculate molecular weight by means of mass spectroscopy</li> <li>• Assign the functional groups for the supplied frequency values</li> </ul>
<p>M.Sc. II Semester III SCT-3.2 Green Chemistry (2294304)</p>	<ul style="list-style-type: none"> <li>• Analyze a process and identify parameters that make environmentally friendly/sustainable/green</li> <li>• Differentiate between chemical and green synthesis Analyze and compare chemical/industrial processes based on their relative "greenness".</li> <li>4. Able to apply the knowledge of PTC for green synthesis.</li> </ul>
<p>M.Sc. II Semester III OET-3.1 Photochemistry and Pericyclic Reactions (2294305)</p>	<ul style="list-style-type: none"> <li>• Differentiate between various types of radiative and non-radiative processes.</li> <li>• Predict the stereochemistry of product of pericyclic reaction</li> <li>• Apply the knowledge Woodward-Hoffmann selection rules for pericyclic reactions.</li> <li>• Predict the stepwise mechanism of photochemical reaction.</li> </ul>
<p>M.Sc. II Semester IV HCT 4.1 Advanced Organic Chemistry -II (2294401)</p>	<ul style="list-style-type: none"> <li>• Plan the synthesis of simple, complex organic compounds by their own using retrosynthetic approach</li> <li>• Differentiate between one functional group and two functional group disconnection.</li> <li>• Apply the knowledge of protection and deprotection in order to prepare targeted compound</li> <li>• Apply the principles of selectivity in synthesis</li> <li>• Use variety of key reaction for their applications in organic synthesis.</li> </ul>
<p>M.Sc. II Semester IV HCT 4.2 Heterocyclic Compounds (2294402)</p>	<ul style="list-style-type: none"> <li>• Predict the names of heterocyclic compounds</li> <li>• Differentiate between electron rich and deficient compounds.</li> <li>• Apply the knowledge reaction mechanism for</li> </ul>

	<p>predicting the accurate synthetic mechanism of various heterocycles</p>
<p>M.Sc. II Semester IV HCT 4.3 Stereochemistry (2294403)</p>	<ul style="list-style-type: none"> <li>• Relate the structure and medicinal properties of drugs.</li> <li>• Differentiate between different types of stereoisomers, including enantiomers and diastereomers</li> <li>• Predict the accurate stereochemistry of products of asymmetric synthesis.</li> </ul>
<p>M.Sc. II Semester IV SCT-4.1 Medicinal Chemistry (2294404)</p>	<ul style="list-style-type: none"> <li>• Relate the structure and medicinal properties of drugs.</li> <li>• Differentiate between organic compounds and drugs.</li> <li>• Apply the knowledge of drug metabolism and medicinal chemistry</li> </ul>
<p>M.Sc. II Semester IV OET-3.2 Biochemistry (2294306)</p>	<ul style="list-style-type: none"> <li>• Able to obtain and understand appropriate scientific literature related to protein, carbohydrates etc.</li> <li>• Use the knowledge to solve the biochemical problems</li> </ul>
<p>M.Sc. II Semester IV HCT 4.1 Advanced Organic Chemistry -II (2294401)</p>	<ul style="list-style-type: none"> <li>• Plan the synthesis of simple, complex organic compounds by their own using retrosynthetic approach</li> <li>• Differentiate between one functional group and two functional group disconnection.</li> <li>• Apply the knowledge of protection and deprotection in order to prepare targeted compound</li> <li>• Apply the principles of selectivity in synthesis</li> <li>• Use variety of key reaction for their applications in organic synthesis.</li> </ul>
<p>M.Sc. II Semester IV HCT 4.2 Heterocyclic Compounds (2294402)</p>	<ul style="list-style-type: none"> <li>• Predict the names of heterocyclic compounds</li> <li>• Differentiate between electron rich and deficient compounds.</li> <li>• Apply the knowledge reaction mechanism for predicting the accurate synthetic mechanism of various heterocycles</li> </ul>
<p>M.Sc. II Semester IV HCT 4.3 Stereochemistry (2294403)</p>	<ul style="list-style-type: none"> <li>• Relate the structure and medicinal properties of drugs.</li> <li>• Differentiate between different types of stereoisomers, including enantiomers and diastereomers</li> </ul>

	<ul style="list-style-type: none"> <li>Predict the accurate stereochemistry of products of asymmetric synthesis.</li> </ul>
M.Sc. II Semester IV SCT-4.1 Medicinal Chemistry (2294404)	<ul style="list-style-type: none"> <li>Relate the structure and medicinal properties of drugs.</li> <li>Differentiate between organic compounds and drugs.</li> <li>Apply the knowledge of drug metabolism and medicinal chemistry</li> </ul>
M.Sc. II Semester IV SCT-4.2 Chemistry of Natural Products (2294405)	<ul style="list-style-type: none"> <li>Identify different types of natural products, their occurrence, structure, biosynthesis and applications</li> <li>Learn various techniques used for isolation of natural products and their medicinal importance</li> </ul>
M.Sc. II Semester III HCP 3.1 Organic Ternary Mixture Practical (2294307)	<ul style="list-style-type: none"> <li>Able to apply the knowledge of solubility of compound in aqueous and organic phase</li> <li>Able to separate a mixture of three important compounds in stepwise manner and determine their structure and properties.</li> </ul>
M.Sc. II Semester III HCP 3.2 Organic Preparation Practical (2294308)	<ul style="list-style-type: none"> <li>Able to prepare various industrially important organic molecules</li> <li>Understand the practical knowledge of reagents</li> </ul>
M.Sc. II Semester III SCP 3.1 Spectral Analysis Practical (2294309)	<ul style="list-style-type: none"> <li>Able to assign accurate values of IR frequencies to molecules</li> <li>Apply the knowledge of equivalent and non-equivalent protons for structure determination</li> <li>Learn to draw and predict the accurate structure of unknown compound</li> </ul>
M.Sc. II Semester III OEP 3.1 Column Chromatography Practical (2294311)	<ul style="list-style-type: none"> <li>Have technical knowledge of column chromatography and some practical experience for critical separation of important product under study</li> </ul>
M.Sc. II Semester III OEP 3.2 Review Work Practical (229310)	<ul style="list-style-type: none"> <li>Understand the importance of National and International publications, Journals, impact factor, citation etc.</li> <li>Able to understand the research paper, its writing and publication process</li> <li>Able to design original research problem for their project work and future research career.</li> </ul>
M.Sc. II Semester IV HCP 4.1 Organic Synthesis Practical	<ul style="list-style-type: none"> <li>Understand the progress of organic reaction through TLC.</li> </ul>

(2294406)	<ul style="list-style-type: none"> <li>• Able to think aqueous as well as organic medium for particular reaction.</li> <li>• Predict the mechanism of reaction</li> </ul>
M.Sc. II Semester IV HCP 4.2 Organic Chemistry Practical (2294407)	<ul style="list-style-type: none"> <li>• Learn about green synthesis</li> <li>• Understand the generation and roll of reaction intermediate</li> <li>• Able to predict the mechanism for reaction</li> </ul>
M.Sc. II Semester IV HCP 4.3 Project Work (2294408)	<ul style="list-style-type: none"> <li>• Able to design original research problem</li> <li>• Apply the synthesis knowledge</li> <li>• Use various characterization tools</li> <li>• Think of paper writing and it's publication</li> </ul>
M.Sc. II Semester IV SCP 4.1 Medicinal Chemistry Practical (2294409)	<ul style="list-style-type: none"> <li>• Able to judge the functional group responsible for it's medicinal activity</li> <li>• May apply green synthesis techniques for medicine synthesis</li> </ul>
M.Sc. II Semester IV SCP 4.2 Chemistry of Natural Products Practical (2294410)	<ul style="list-style-type: none"> <li>• Learn importance of various natural products in day-to-day life</li> <li>• Apply various advanced separation techniques to obtain natural products</li> </ul>

## Department of Botany

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. I Semester I DSC-A Theory-I: Microbiology & Phycology 2031112	<ul style="list-style-type: none"> <li>• The student can understand the basic concept of microbiology</li> <li>• The student can understand in detail about the viruses, diversity of bacteria and about the Mycoplasma</li> <li>• The student can understand importance of algae</li> <li>• The student can understand in detail about the division Cyanophyta along with its one detailed example of Nostoc</li> <li>• The student can understand in detail about the division Chlorophyta along with its one detailed example of Spirogyra</li> </ul>
B.Sc. I Semester I DSC-A Theory-II: Fungi and Archegoniate 2031113	<ul style="list-style-type: none"> <li>• The student can understand about the general introduction of true fungi.</li> <li>• The student can understand about division of Zygomycotina.</li> </ul>

	<ul style="list-style-type: none"> <li>• The student can understand about the division of Ascomycotina</li> <li>• The student get an detailed idea about Archegoniate</li> <li>• The student can understand about the Bryophytes and life cycle of Riccia with its economic importance.</li> <li>• The student can understand about the Pteridophytes and life cycle of Selaginella with its economic importance.</li> <li>• The student can understand about the Gymnosperms and life cycle of Cycas with its economic importance.</li> </ul>
<p>B.Sc. I Semester II DSC-B Theory-I: Plant Ecology 2031212</p>	<ul style="list-style-type: none"> <li>• The student can understand about the Climatic and Edaphic factors of environment.</li> <li>• The student can understand about the Ecological adaptations in plants.</li> <li>• The student can understand about the Plant communities</li> <li>• The student can understand about the concepts of ecology</li> <li>• The student can understand about the Ecological succession.</li> </ul>
<p>B.Sc. I Semester II DSC-B Theory-II: Taxonomy of Angiosperms 2031213</p>	<ul style="list-style-type: none"> <li>• The student can understand about importance of taxonomy</li> <li>• The student can understand about classification systems in taxonomy</li> <li>• The student can understand different methods of classification and rules of nomenclature</li> <li>• The student can understand technique and botanical gardens in India</li> <li>• The student can understand detailed identifying characters of family.</li> </ul>
<p>B.Sc. II Semester III DSC-1C Theory Paper-V: PLANT ANATOMY 2131311</p>	<ul style="list-style-type: none"> <li>• Students will able to understand the tissue system of plants</li> <li>• Students will able to analyse the difference between primary structure of monocotyledon root and dicotyledon root.</li> <li>• Students will able to analyse the difference between primary structure of monocotyledon stem and dicotyledon stem.</li> <li>• Detail understanding about secondary structure</li> </ul>

	of plants.
B.Sc. II Semester III DSC-1C Theory Paper-VI: PLANT METABOLISM 2131312	<ul style="list-style-type: none"> <li>• Knowledge of enzymes and nitrogen metabolism will help the students to know the various metabolic activities of plants.</li> <li>• Interest about plant growth mechanism will increase in students mind.</li> <li>• Role of micronutrients and macronutrients to the plant growth will help the students to accelerate the economic plant production.</li> </ul>
B.Sc. II Semester III DSC-1D Theory Paper-VII: PLANT PHYSIOLOGY 2131411	<ul style="list-style-type: none"> <li>• Students will understand the photo effect on plant mechanism.</li> <li>• Knowledge about photosynthesis and respiration will help to save the environment.</li> <li>• Detail understanding of role of organic fertilizer will develop interest in organic farming.</li> </ul>
B.Sc. II Semester III DSC-1D (Optional) Theory Paper-VIII: EMBRYOLOGY OF ANGIOSPERMS 2131411	<ul style="list-style-type: none"> <li>• Students will understand the role and mechanism of flower in plant production</li> <li>• Understanding of developmental stages of embryo and endosperm will help the students to produce quality food production as well as quality seed production.</li> <li>• Knowledge of embryology will help the students to maintain the plant health.</li> </ul>

## Department of Zoology

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. I Semester I DSC-A Theory-I:ANIMAL DIVERSITY- I 2031114	<ul style="list-style-type: none"> <li>• Describe general taxonomic rules on animal classification</li> <li>• Classify Protista up to phylum using examples from parasitic adaptation</li> <li>• Classify Phylum Porifera to Echinodermata with taxonomic keys</li> <li>• Interpret use of different animals from phylum Protista to phylum Echinodermata.</li> </ul>
B.Sc. I Semester I DSC-A Theory-II: ANIMAL DIVERSITY- II 2031115	<ul style="list-style-type: none"> <li>• Identify the poisonous and non-poisonous snakes.</li> <li>• Examine the symptoms of snake bite.</li> <li>• Describe snake venom and treatment of snake bite.</li> <li>• Identify and classify different birds and</li> </ul>

	describe migration and flight adaptation in birds.
B.Sc. I Semester II DSC-B Theory-I: COMPARATIVE ANATOMY OF VERTEBRATES 2031214	<ul style="list-style-type: none"> <li>• Compare the different systems of animals,</li> <li>• Explain evolution of respiratory organs of vertebrates.</li> <li>• Explain the comparative difference of all systems including digestive ,respiratory , circulatory and excretory and nervous from different classes of vertebrates.</li> <li>• Interpret the evolution of vertebrates.</li> </ul>
B.Sc. I Semester II DSC-B Theory-II: DEVELOPMENTAL BIOLOGY OF VERTEBRATES 2031215	<ul style="list-style-type: none"> <li>• Define the term gametogenesis and spermatogenesis and oogenesis.</li> <li>• Explain the process of spermatogenesis and oogenesis.</li> <li>• Compare the different embryonic developmental stages of different classes vertebrate animals.</li> <li>• Criticise on types of twins.</li> <li>• Illustrate the external and internal fertilization.</li> </ul>
B.Sc. II Semester III DSC-1C Theory Paper-V: CELL BIOLOGY 2131313	<ul style="list-style-type: none"> <li>• Classify the cells based on components and morphology of cell</li> <li>• Understand the structure and function of plasma membrane</li> <li>• Differentiate the functioning of cell organelles</li> <li>• Understand the structure and function of mitochondria</li> <li>• Differentiate the structure and function of Microtubules, Microfilaments and intermediate filaments.</li> <li>• Understand the structure and function of mitochondria</li> <li>• Differentiate the Euchromatin and Heterochromatin (Bar bodies) or male and female cells</li> <li>• Differentiate the type of cell division in various cells.</li> <li>• Understand the mechanism of cell communication</li> </ul>

<p>B.Sc. II Semester III DSC-1C Theory Paper-VI: PRINCIPLES OF ECOLOGY 2131314</p>	<ul style="list-style-type: none"> <li>• Understand the scope of ecology</li> <li>• Apply the population attributes to understand the population dynamics.</li> <li>• Utilize the information of various modes of animal associations for conservation of nature, rearing of animals, biological pest control</li> <li>• Relate the interactions of various abiotic components of an ecosystem.</li> <li>• Calculate diversity indices</li> <li>• Compare various ecosystems.</li> <li>• Analyse the balancing factors of the nature</li> <li>• Understand the threats to environment.</li> </ul>
<p>B.Sc. II Semester IV DSC-1D Theory Paper-VII: FUNDAMENTALS OF BIOCHEMISTRY 2131413</p>	<ul style="list-style-type: none"> <li>• Classify the carbohydrates</li> <li>• Classify the lipids</li> <li>• Classify the amino acids</li> <li>• Understand the protein folding mechanism.</li> <li>• Understand the structure, types and functions of antibodies</li> <li>• Understand the structure of nucleic acids</li> <li>• Understand the basic cell maintenance mechanism.</li> <li>• Classify different enzymes</li> </ul>
<p>B.Sc. II Semester IV DSC-1D Theory Paper-VIII: ANIMAL PHYSIOLOGY: CONTROLLING AND COORDINATING SYSTEMS 2131414</p>	<ul style="list-style-type: none"> <li>• Classify cells and tissue</li> <li>• Differentiate tissue</li> <li>• Understand the functioning of nerve cells.</li> <li>• Understand the functioning of muscle cells.</li> <li>• Interpolate the coordination of hormones involved in reproductive physiology.</li> <li>• Interpolate the coordination of hormones involved in reproductive cycle.</li> <li>• Understand the importance of IVF</li> <li>• Interpolate the coordination of hormones of endocrine glands.</li> </ul>

## Department of Commerce

### B.Com Accounting

Course Title	Course Outcomes (Cos),
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	<b>Programme Specific Outcomes (PSOs)</b>
B.Com. I Semester I AECC 2 Principles of Business Management P- I 2021102	<ul style="list-style-type: none"> <li>• To understand concept of Management and significance of management.</li> <li>• To know different contributors towards Management Theories.</li> <li>• To know uses of managerial functions in the organization.</li> <li>• To know role of manager.</li> <li>• To understand recent trends in management</li> </ul>
B.Com. I Semester I CC1 Financial Accounting P- I 2021103	<ul style="list-style-type: none"> <li>• Basic accounting concepts, conventions and procedure of conversion of single entry accounting system into double entry accounting system.</li> <li>• Accounting procedures and preparation of financial statements in respect of different types of entities like professional organization, Partnership Firms, co-operative societies.</li> <li>• Accounting for special sales transactions like consignment as well as accounting procedure in respect of branch and departments.</li> </ul>
B.Com. I Semester I CC2 Business Economics P- I 2021104	<ul style="list-style-type: none"> <li>• The study of Business Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations.</li> </ul>
B.Com. I Semester I GE 1 I – Group A Insurance P-I 2021105	<ul style="list-style-type: none"> <li>• Understand fundamentals of Insurance</li> <li>• Understand how to choose Life Insurance policies based on their needs.</li> <li>• Understand the procedural part in Life &amp; General Insurance.</li> <li>• Understand difference between Life and General Insurance.</li> <li>• Motivation to become Insurance Agent.</li> </ul>
B.Com. I Semester I GE 1 I – Group A Business Mathematics P- I 2021106	<ul style="list-style-type: none"> <li>• Students would calculate ratio, proportion, variation and percentage.</li> <li>• Students would be able to calculate and evaluate the profit or loss arising out of business transactions.</li> </ul>

	<ul style="list-style-type: none"> <li>• Students would recall and relate the concepts of interest, rate of interest, annuity and instalments.</li> <li>• Students would be acquainted with the various concepts related AP, and GP.</li> <li>• Student will be able to solve linear equations using Matrix method.</li> </ul>
<p>B.Com. I Semester I GE 2 II – Group B Principles of Marketing 2021107</p>	<ul style="list-style-type: none"> <li>• Gaining insights to the key terms and concepts in marketing.</li> <li>• Apply marketing concepts to real life situations from consumer and businessmen perspectives.</li> <li>• Familiarizes students about product and its classifications.</li> <li>• Elements of the marketing mix gives an understanding on how to use the marketing mix elements to support the overall business</li> <li>• To make them understand pricing policies</li> <li>• Identify different marketing channels and develop distribution strategies.</li> <li>• Helps to develop a market research plan and conduct basic research using primary and secondary sources.</li> </ul>
<p>B.Com. I Semester II AECC 2 Principles of Business Management P -II 2021202</p>	<ul style="list-style-type: none"> <li>• To understand concept of Management and significance of management.</li> <li>• To know different contributors towards Management Theories.</li> <li>• To know uses of managerial functions in the organization.</li> <li>• To know role of manager.</li> <li>• To understand recent trends in management</li> </ul>
<p>B.Com. I Semester II CC1 Financial Accounting P- II 2021203</p>	<ul style="list-style-type: none"> <li>• Basic accounting concepts, conventions and procedure of conversion of single entry accounting system into double entry accounting system.</li> <li>• Accounting procedures and preparation of financial statements in respect of different types of entities like professional organization, Partnership Firms, co-operative societies.</li> <li>• Accounting for special sales transactions like consignment as well as accounting procedure in respect of branch and departments.</li> </ul>

<p>B.Com. I Semester II CC2 Business Economics P- II 2021204</p>	<ul style="list-style-type: none"> <li>• The study of Business Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations.</li> </ul>
<p>B.Com. I Semester II GE 1 I – Group A Insurance P- II 2021205</p>	<ul style="list-style-type: none"> <li>• Understand fundamentals of Insurance</li> <li>• Understand how to choose Life Insurance policies based on their needs.</li> <li>• Understand the procedural part in Life &amp; General Insurance.</li> <li>• Understand difference between Life and General Insurance.</li> <li>• Motivation to become Insurance Agent.</li> </ul>
<p>B.Com. I Semester II GE 1 I – Group A Business Mathematics P- II 2021206</p>	<ul style="list-style-type: none"> <li>• Understand functions of real variables</li> <li>• Get an idea of limit of a function</li> <li>• Acquire knowledge of derivatives and integration to solve business problems.</li> <li>• Create awareness of applications of derivatives and integrations to solve business problems.</li> </ul>
<p>B.Com. I Semester II GE 2 II – Group B Principles of Marketing 2021107</p>	<ul style="list-style-type: none"> <li>• Gaining insights to the key terms and concepts in marketing.</li> <li>• Apply marketing concepts to real life situations from consumer and businessmen perspectives.</li> <li>• Familiarizes students about product and its classifications.</li> <li>• Elements of the marketing mix gives an understanding on how to use the marketing mix elements to support the overall business</li> <li>• To make them understand pricing policies</li> <li>• Identify different marketing channels and develop distribution strategies.</li> <li>• Helps to develop a market research plan and conduct basic research using primary and secondary sources.</li> </ul>
<p>B.Com. Accountancy II Semester III CC 4</p>	<ul style="list-style-type: none"> <li>• Students understand Corporate Accounting in conformity with the provisions of Companies Act and understand the concept of Accounting</li> </ul>

<p>Corporate Accounting I 2121302</p>	<p>Standards. Grasp the objectives, benefits and limitations of Accounting Standards</p> <ul style="list-style-type: none"> <li>• Students understand the meaning of share capital, types of shares, a company's capital structure and its disclosure in the balance sheet. – Learn the accounting procedure of issuing of shares and forfeiture and reissue of shares</li> <li>• Students understand the share capital structure in the balance sheet of a company. Understand the meaning and significance of framework of preparation and presentation of Financial Statement.</li> <li>• Understand the meaning of Redemption of Debentures and Preference shares, accounting treatment of redemption of Preference shares and debentures.</li> <li>• This paper can provide conceptual clarity about the techniques to prepare financial statements of companies along with accounting treatment of various situations viz. Shares, profit Prior after, and liquidation of companies.</li> </ul>
<p>B.Com. Accountancy II Semester III CC 5 Business Statistics I 2121303</p>	<ul style="list-style-type: none"> <li>• Understand basic Statistical components and computations in Business.</li> <li>• Understand the role of Statistics in taking decisions in various commercial and entrepreneurship problems.</li> </ul>
<p>B.Com. Accountancy II Semester III CC 6 Business Economics I 2121304</p>	<ul style="list-style-type: none"> <li>• The business cycle phenomenon in the economy and they will be able to take practical decision at their business level in future.</li> <li>• Understand public finance system and analysis its impact on economy and citizen of the country.</li> <li>• The trade in business practices &amp; determination of rate of exchange.</li> <li>• To understand Macro Economics components &amp; concept.</li> <li>• The concept of National income and application of computing National income.</li> <li>• Changing value of money and its impacts on developing Economy.</li> </ul>

<p>B.Com. Accountancy II Semester III GE 2 Entrepreneurship Development-I 2121305</p>	<ul style="list-style-type: none"> <li>• Define the fundamental terms,</li> <li>• Examine the market climate to spot potential business opportunities</li> <li>• Recognize the steps involved in selecting and screening a business concept.</li> <li>• Devise methods for putting ideas into action.</li> <li>• Create a business plan</li> <li>• Students learn about the government's innovative projects, such as Start-up India, Stand-up India, and Make-in-India.</li> <li>• The Prime Minister Mudra Yojana would be better understood by the students.</li> <li>• Startup success stories in India encourage students to pursue entrepreneurship.</li> <li>• At last this course would also be useful in assisting students in pursuing their entrepreneurial dreams.</li> </ul>
<p>B.Com. Accountancy II Semester III GE 2 Service Marketing 2121306</p>	<ul style="list-style-type: none"> <li>• Exemplify your understanding of the concept, classification, and significance of services.</li> <li>• Compare products and services</li> <li>• Exhibit the seven Ps of service marketing.</li> <li>• Use of the 7 Ps in various service organizations</li> <li>• Create the seven P's of marketing for a service organization, Expected Skills Distribution (Through theory and Practical)</li> <li>• Marketing Knowledge</li> <li>• Evaluation</li> <li>• Analytical ability</li> </ul>
<p>B.Com. Accountancy II Semester III SEC 2 Money &amp; Financial System- I 2121307</p>	<ul style="list-style-type: none"> <li>• Put their knowledge of money and banking to use in their daily lives.</li> <li>• Use their knowledge of money and the capital market to improve their financial stability.</li> <li>• Become familiar with the concepts and types of finance.</li> </ul>
<p>B.Com. Accountancy II Semester III SEC 2 Basics of Foreign Trade 2121308</p>	<ul style="list-style-type: none"> <li>• Students have a basic understanding of globalization and foreign trade.</li> <li>• Examine the importance of globalization for businesses.</li> <li>• Learn the most effective ways to use EPRG to help businesses enter the global market.</li> </ul>

	<ul style="list-style-type: none"> <li>• Investigate the Pricing Components in International Trade,</li> <li>• How to control prices in parallel imports, Factors influencing international pricing, Minimizing the effects of price escalation, countertrading &amp; international marketing, price quotations, and so on.</li> <li>• Learn what product planning is, the components of product planning for international marketing, and the significance of product planning. They also learn about the criteria for selecting export-ready products.</li> </ul>
<p>B.Com. Accountancy II Semester III SEC 2 TOURISM MANAGEMENT (Basic) (2121409)</p>	<ul style="list-style-type: none"> <li>• Understand and apply the knowledge of tourism management in their life</li> <li>• Apply the knowledge of tourism management to set his own tourism enterprise</li> <li>• Tourism entrepreneur success stories in India encourage students to pursue entrepreneurship</li> <li>• Get placement in Tourism Business Organizations as a Manager.</li> </ul>
<p>B.Com. Accountancy II Semester IV CC 4 Corporate Accounting II 2121402</p>	<ul style="list-style-type: none"> <li>• Students understand Corporate Accounting in conformity with the provisions of Companies Act and understand the concept of Accounting Standards. Grasp the objectives, benefits and limitations of Accounting Standards</li> <li>• Students understand the meaning of share capital, types of shares, a company's capital structure and its disclosure in the balance sheet. – Learn the accounting procedure of issuing of shares and forfeiture and reissue of shares</li> <li>• Students understand the share capital structure in the balance sheet of a company. Understand the meaning and significance of framework of preparation and presentation of Financial Statement.</li> <li>• Understand the meaning of Redemption of Debentures and Preference shares, accounting treatment of redemption of Preference shares and debentures.</li> <li>• This paper can provide conceptual clarity about the techniques to prepare financial statements of companies along with accounting treatment of various situations viz. Shares, profit Prior after, and liquidation of companies.</li> </ul>

<p>B.Com. Accountancy II Semester IV CC 5 Business Statistics II 2121403</p>	<ul style="list-style-type: none"> <li>• Understand the role of probability for taking various decisions in business</li> <li>• Compare the current trends in business with that in the past</li> <li>• Measure changes in the value of money at different places and times</li> <li>• Check the quality of the business process.</li> </ul>
<p>B.Com. Accountancy II Semester IV CC 6 Business Economics II 2121404</p>	<ul style="list-style-type: none"> <li>• The business cycle phenomenon in the economy and they will be able to take practical decision at their business level in future.</li> <li>• Understand public finance system and analysis its impact on economy and citizen of the country.</li> <li>• The trade in business practices &amp; determination of rate of exchange.</li> <li>• To understand Macro Economics components &amp; concept.</li> <li>• The concept of National income and application of computing National income.</li> <li>• Changing value of money and its impacts on developing Economy.</li> </ul>
<p>B.Com. Accountancy II Semester IV GE 2 Entrepreneurship Development-II 2121405</p>	<ul style="list-style-type: none"> <li>• Define the fundamental terms,</li> <li>• Examine the market climate to spot potential business opportunities</li> <li>• Recognize the steps involved in selecting and screening a business concept.</li> <li>• Devise methods for putting ideas into action.</li> <li>• Create a business plan</li> <li>• Students learn about the government's innovative projects, such as Start-up India, Stand-up India, and Make-in-India.</li> <li>• The Prime Minister Mudra Yojana would be better understood by the students.</li> <li>• Startup success stories in India encourage students to pursue entrepreneurship.</li> <li>• At last this course would also be useful in assisting students in pursuing their entrepreneurial dreams.</li> </ul>

<p>B.Com. Accountancy II Semester IV GE 2 Digital Marketing 2121406</p>	<ul style="list-style-type: none"> <li>• Students will be able to recognize the importance of digital marketing for marketing success and will gain a comprehensive understanding of the digital marketing landscape.</li> <li>• Gain an understanding of the digital customer's needs and behaviour.</li> <li>• Assists in understanding how to define a target group, identify digital channels, their benefits and limitations, and imagine ways to integrate them while staying within a budget.</li> <li>• Explain the online market presence, segmentation, and the 7 Ps of marketing, as well as their implications for digital marketing.</li> <li>• Discuss the advantages and disadvantages of integrated digital marketing.</li> <li>• Recognize the key digital marketing techniques, such as social media marketing and mobile marketing.</li> <li>• Gaining insight into future trends that will influence the future growth of digital marketing.</li> <li>• 8. Recognize the significance of an Indian regulatory framework for digital marketing.</li> </ul>
<p>B.Com. Accountancy II Semester IV SEC 2 Money &amp; Financial System- II 2121407</p>	<ul style="list-style-type: none"> <li>• Put their knowledge of money and banking to use in their daily lives.</li> <li>• Use their knowledge of money and the capital market to improve their financial stability.</li> <li>• Become familiar with the concepts and types of finance.</li> </ul>
<p>B.Com. Accountancy II Semester IV SEC 2 Foreign Trade Financing Procedures 2121408</p>	<ul style="list-style-type: none"> <li>• Determine the various types of export credit.</li> <li>• Understand the terms associated with pre-shipment and post-shipment export credit.</li> <li>• Recognize the significance of various types of Letters of Credit.</li> <li>• Appreciate the system of granting Export Credit in Foreign Currencies.</li> <li>• Students learn about the role of the Indian government in promoting India's foreign trade.</li> <li>• Recognize the role of Exim Bank and Commercial Banks in financing exports and imports</li> </ul>

### B.Com Marketing

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
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<p>B.Com. I Semester I CC1 Principles of Business Management 2181102</p>	<ul style="list-style-type: none"> <li>• Students should be able to know, comprehend, apply, analyse, synthesize and evaluate the basic fundamentals of managing organizations. Students will complete specific activities, as identified in the syllabus, related to each of the four functions of management: planning, organizing, leading and controlling.</li> <li>• Have developed a working knowledge of fundamental terminology and frameworks in the four functions of management: Planning, Organizing, Leading and Controlling;</li> <li>• Be able to analyse organizational case situations in each of the functions of management;</li> <li>• Be able to identify and apply appropriate management techniques for managing contemporary organizations</li> <li>• Have an understanding of the skills, abilities, and tools needed to obtain a job on a management track in an organization of their choice.</li> </ul>
<p>B.Com. I Semester I CC2 Financial Accounting 2181103</p>	<ul style="list-style-type: none"> <li>• Basic accounting concepts, conventions and procedure of accounting system</li> <li>• Accounting for special sales transactions like consignment as well as accounting procedure in respect of branch</li> <li>• Accounting procedures and preparation of financial statements in respect co-operative societies.</li> <li>• Practical accounting</li> </ul>
<p>B.Com. I Semester I CC3 Fundamentals of Marketing-I 2181105</p>	<ul style="list-style-type: none"> <li>• Students will be able to comprehend the concepts and principles of marketing.</li> </ul>
<p>B.Com. I Semester I CC4 Digital Marketing 2181106</p>	<ul style="list-style-type: none"> <li>• Students will be able to recognize the importance of digital marketing for marketing success and will gain a comprehensive understanding of the digital marketing landscape.</li> <li>• Gain an understanding of the digital customer's needs and behaviour.</li> <li>• Assists in understanding how to define a target group, identify digital channels, their benefits and limitations, and imagine ways to integrate them while staying within a budget.</li> <li>• Explain the online market presence,</li> </ul>

	<p>segmentation, and the 7 Ps of marketing, as well as their implications for digital marketing.</p> <ul style="list-style-type: none"> <li>• Discuss the advantages and disadvantages of integrated digital marketing.</li> <li>• Recognize the key digital marketing techniques, such as social media marketing and mobile marketing.</li> <li>• Gaining insight into future trends that will influence the future growth of digital marketing.</li> <li>• Recognize the significance of an Indian regulatory framework for digital marketing.</li> </ul>
<p>B.Com. I Semester I GE1 Business Economics- I 2181104</p>	<ul style="list-style-type: none"> <li>• The study of Business Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations.</li> </ul>
<p>B.Com. I Semester II CC1 Organizational Behaviour 2181202</p>	<ul style="list-style-type: none"> <li>• Relate with the historical growth, factors and model of Organizational Behaviour.</li> <li>• Understand the various theories of personality development.</li> <li>• Understand the concept of stress and sources of stress.</li> <li>• Understand the concept of attitude and values.</li> <li>• Elaborate the sources and types of values.</li> <li>• Relate different theories of motivation and Leadership with current situation and know the roles and activities of leadership</li> <li>• Understand the team building and effective team work</li> </ul>
<p>B.Com. I Semester II CC2 Basics of Cost Accounting 2181203</p>	<ul style="list-style-type: none"> <li>• Define basic terms and techniques of cost accounting.</li> <li>• Identify the elements of costs, calculate cost, profit and sales value</li> <li>• Apply cost accounting knowledge in practical life</li> </ul>
<p>B.Com. I Semester II CC3 Fundamentals of Marketing II 2181205</p>	<ul style="list-style-type: none"> <li>• To give a framework for evaluating marketing decisions and initiatives, be familiar with the main aspects of the marketing mix.</li> <li>• Understand the scope of consumer behaviour and how it changes over time.</li> </ul>

	<ul style="list-style-type: none"> <li>• Demonstrate an understanding of basic consumer behaviour principles and theories.</li> <li>• Be well-versed in the field of marketing's new frontiers</li> </ul>
<p>B.Com. I Semester II CC4 Service Marketing 2181206</p>	<ul style="list-style-type: none"> <li>• Exemplify your understanding of the concept, classification, and significance of services.</li> <li>• Compare products and services</li> <li>• Exhibit the seven Ps of service marketing.</li> <li>• Use of the 7 Ps in various service organizations</li> <li>• Create the seven P's of marketing for a service organization, Expected Skills Distribution (Through theory and Practical)</li> <li>• Marketing Knowledge</li> <li>• Evaluation</li> <li>• Analytical ability</li> </ul>
<p>B.Com. I Semester II GE1 Business Economics II 2181204</p>	<ul style="list-style-type: none"> <li>• The study of Business Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations.</li> </ul>

### M.Com Accounting

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
<p>M.Com Accounting I Semester I PSOs</p>	<ul style="list-style-type: none"> <li>• Acquire advance knowledge of commerce, management, accounting, finance and overall general framework of the Commerce</li> <li>• Understand the Business-related framework and be prepared to deal with changing business array dynamics.</li> <li>• Gain the skills for managerial level required to start your own business and create jobs. Instil social and ethical values etc. to ensure ethical business practices.</li> <li>• Understand socio-economic positions of an era and its implication on stake holders</li> </ul>

	<ul style="list-style-type: none"> <li>• Demonstrate practical knowledge by preparing and presenting various reporting statements and assist with financial statement preparation and analytical reading.</li> </ul>
M.Com Accounting I Semester I MANAGERIAL ECONOMICS – I (2064102)	<ul style="list-style-type: none"> <li>• The study of Managerial Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations</li> </ul>
M.Com Accounting I Semester I ADVANCED ACCOUNTANCY -I (2064104)	<ul style="list-style-type: none"> <li>• Comprehend the importance of International financial reporting standards.</li> <li>• Realize the benefits of adopting IFRS for Indian Companies.</li> <li>• Understand the procedure of preparation of Final accounts Service Industries</li> <li>• Realize the statutory requirement of Insurance companies, type of insurance/policies and preparation of financial statements.</li> <li>• Understand the concept of double accounting system with respect to electricity companies.</li> <li>• Understand the objectives of The Electricity Act and to prepare financial statements.</li> <li>• Gain the knowledge of accounting for operating lease and finance lease.</li> <li>• Understand the meaning of Inflation accounting to learn the estimation of current purchasing power.</li> <li>• Understand Investment Accounting.</li> </ul>
M.Com Accounting I Semester I E-COMMERCE (2064105)	<ul style="list-style-type: none"> <li>• Understand the foundation and importance of E-commerce</li> <li>• Analyze the impact of E-commerce on business models and strategy</li> <li>• Describe the infrastructure for E-commerce</li> <li>• Understand the legal issues in E-commerce</li> <li>• Assess electronic payment systems with the credit &amp; legal risk of e-payment system</li> <li>• Identify global E-commerce issues</li> </ul>

<p>M.Com Accounting I Semester II MANAGERIAL ECONOMICS – II (2064202)</p>	<ul style="list-style-type: none"> <li>• The study of Managerial Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations</li> </ul>
<p>M.Com Accounting I Semester II MANAGEMENT THOUGHTS, THEORIES AND ORGANIZATIONAL BEHAVIOR- II (2064201)</p>	<ul style="list-style-type: none"> <li>• Understand the different thoughts, theories, concepts of management and its real life application in the organization</li> <li>• Gain the knowledge of different fundamentals of organizational behaviors.</li> <li>• Understand how to analyze the individual in the organization and how the behavioral changes are required to be made for organizational success.</li> </ul>
<p>M.Com Accounting I Semester II MANAGERIAL ECONOMICS – II (2064202)</p>	<ul style="list-style-type: none"> <li>• The study of Managerial Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations</li> </ul>
<p>M.Com Accounting I Semester II RESEARCH METHODOLOGY – II (2064203)</p>	<ul style="list-style-type: none"> <li>• Understand various kinds of research, objectives of doing research, research process, research designs and sampling.</li> <li>• Gain basic knowledge on qualitative research techniques</li> <li>• Acquire adequate knowledge on measurement &amp; scaling techniques as well as the quantitative data analysis</li> <li>• Understand data analysis-and hypothesis testing procedures.</li> <li>• Enable the student potentials to organize, coordinate and focus for research aptitude with confidence.</li> </ul>
<p>M.Com Accounting I Semester II ADVANCED ACCOUNTANCY -II (2064204)</p>	<ul style="list-style-type: none"> <li>• Describe about the concept, types &amp; methods of auditing</li> </ul>

	<ul style="list-style-type: none"> <li>• Clarify about the applicability of different types of audits.</li> <li>• Acquire knowledge of audit documentation and audit evidence.</li> <li>• Gain knowledge on the provisions regarding the appointment, qualifications, duties and liabilities of auditor, Audit Committee and have insight towards Corporate Governance</li> <li>• Understand Audit under CIS Environment.</li> </ul>
M.Com Accounting I Semester II BUSINESS MANAGEMENT (2064205)	<ul style="list-style-type: none"> <li>• Understand the concepts related to Business and Business Management.</li> </ul>
M.Com Accounting II Semester III BUSINESS FINANCE-I (2164301)	<ul style="list-style-type: none"> <li>• Understand the finance function as well as general business finance principles.</li> <li>• Get an opportunity to learn about different financial sources.</li> <li>• Gain an understanding of the nature, structure, and issues affecting Indian business finance and capital markets.</li> <li>• Learn the role and functions of stock exchanges</li> <li>• Learn and analyze the role of SEBI</li> <li>• Understand the concept credit rating, need, types of credit ratings, and methodology of credit ratings</li> <li>• Understand the role and strength of corporate restructuring for growth and various corporate restructuring tools such as takeovers, acquisitions, joint ventures, disinvestments, amalgamations, buyback of shares, mergers, demergers, reverse mergers, etc.</li> </ul>
M.Com Accounting II Semester III MANAGEMENT ACCOUNTING-I (2164302)	<ul style="list-style-type: none"> <li>• critically analyze and provide recommendations to improve the operations of organizations through the application of management accounting technique</li> <li>• demonstrate mastery of costing systems, cost management systems, budgeting systems and performance measurement systems.</li> </ul>
M.Com Accounting II Semester III INTERNATIONAL BUSINESS (2164303)	<ul style="list-style-type: none"> <li>• To familiarize the students with International Business Environment</li> <li>• Enable the students to apply International Business procedures knowledge in their practical life</li> </ul>

<p>M.Com Accounting II Semester III ADVANCED ACCOUNTANCY– III (2164304)</p>	<ul style="list-style-type: none"> <li>• To familiarize the students with Cost Accounting</li> <li>• Enable the students to apply cost accounting knowledge in their practical life</li> </ul>
<p>M.Com Accounting II Semester III MICRO, SMALL &amp; MEDIUM ENTERPRISES (2164305)</p>	<ul style="list-style-type: none"> <li>• Students become acquainted with the current MSMEs environment;</li> <li>• Students understand the fundamentals of the institutional support schemes available to MSMEs and how they operate; and</li> <li>• Students learn about the various policies that can be applied to SMEs and their implications for small businesses.</li> </ul>
<p>M.Com Accounting II Semester IV BUSINESS FINANCE-II (2164401)</p>	<ul style="list-style-type: none"> <li>• Understand the finance function as well as general business finance principles.</li> <li>• Get an opportunity to learn about different financial sources.</li> <li>• Gain an understanding of the nature, structure, and issues affecting Indian business finance and capital markets.</li> <li>• Learn the role and functions of stock exchanges</li> <li>• Learn and analyze the role of SEBI</li> <li>• Understand the concept credit rating, need, types of credit ratings, and methodology of credit ratings</li> <li>• Understand the role and strength of corporate restructuring for growth and various corporate restructuring tools such as takeovers, acquisitions, joint ventures, disinvestments, amalgamations, buyback of shares, mergers, demergers, reverse mergers, etc.</li> </ul>
<p>M.Com Accounting II Semester IV MANAGEMENT ACCOUNTING- II (2164402)</p>	<ul style="list-style-type: none"> <li>• critically analyze and provide recommendations to improve the operations of organizations through the application of management accounting technique</li> <li>• demonstrate mastery of costing systems, cost management systems, budgeting systems and performance measurement systems</li> </ul>
<p>M.Com Accounting II Semester IV ADVANCED ACCOUNTANCY – IV (2164404)</p>	<ul style="list-style-type: none"> <li>• To familiarize the students with Royalty Accounts, Hotel Accounting, Hospital Accounting, Packages and Empties Accounting, fund-based accounting.</li> <li>• Enable the students to gain knowledge on recent development in accounting.</li> </ul>

<p>M.Com Accounting II Semester IV  <b>BUSINESS ETHICS &amp;  CORPORATE GOVERNANCE</b>  (2164405)</p>	<ul style="list-style-type: none"> <li>• Understand the foundation and importance of Business Ethics and Corporate Governance</li> <li>• Analyze the impact of Business Ethics and Corporate Governance</li> <li>• Describe the Key Issues in Business Ethics and Corporate Governance</li> <li>• Understand the Concept of Corporate Social Responsibilities</li> </ul>
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### M.Com Costing

<b>Course Title</b>	<b>Course Outcomes (Cos), Programme Specific Outcomes (PSOs)</b>
<p>M.Com Costing I Semester I  PSOs</p>	<ul style="list-style-type: none"> <li>• Acquire advance knowledge of commerce, management, accounting, finance and overall general framework of the Commerce</li> <li>• Understand the Business related framework and be prepared to deal with changing business array dynamics.</li> <li>• Gain the skills for managerial level required to start your own business and create jobs. Install social and ethical values etc. to ensure ethical business practices.</li> <li>• Understand socio-economic positions of an era and its implication on stake holders</li> <li>• Demonstrate practical knowledge by preparing and presenting various reporting statements and assist with financial statement preparation and analytical reading.</li> </ul>
<p>M.Com Costing I Semester I  <b>MANAGEMENT THOUGHTS  AND THEORIES</b> (2184101)</p>	<ul style="list-style-type: none"> <li>• The student will be able to understand the different thoughts, theories, concepts of management and its real-life application in the organization;</li> </ul>
<p>M.Com Costing I Semester I  <b>MANAGERIAL ECONOMICS – II</b>  (2184202)</p>	<ul style="list-style-type: none"> <li>• The study of Managerial Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations</li> </ul>

<p>M.Com Costing I Semester I ADVANCED COSTING – I (2184104)</p>	<ul style="list-style-type: none"> <li>• Describes cost accounting systems.</li> <li>• Describes the goals of cost accounting.</li> <li>• Cost, expense, loss, and revenue are all defined.</li> <li>• Describes the connections between cost and financial accounting.</li> <li>• Prepare a cost-of-goods-sold statement and a cost-of-production statement.</li> </ul>
<p>M.Com Costing I Semester I OFFICE MANAGEMENT (2184106)</p>	<ul style="list-style-type: none"> <li>• Understand the office operations in today's world.</li> <li>• Recognize and define an office manager's critical function</li> <li>• Identify the keys to robust and effective organization</li> <li>• learn that how diverse tasks are organized, the facilities provided to office workers, the working environment, and the tools and equipment used in the office are all important factors in the smooth operation of any organization.</li> <li>• Acquire basic negotiation and influencing skills and how best to apply them</li> <li>• Understand how to get the desired outcome through effective win/win communication skills</li> <li>• Acquire skills to manage difficult people situations and stress in a calm and effective manner</li> </ul>
<p>M.Com Costing I Semester I DSE: ADVANCED ACCOUNTANCY – I</p>	<ul style="list-style-type: none"> <li>• To understand the importance of International financial reporting standards.</li> <li>• To understand the benefits of adopting IFRS for Indian Companies.</li> <li>• To understand the procedure of preparation of Final accounts Service Industries</li> <li>• To understand the statutory requirement of Insurance companies, type of insurance/policies and preparation of financial statements.</li> <li>• To understand the concept of double accounting system with respect to electricity companies.</li> <li>• To understand the objectives of The Electricity Act and to prepare financial statements.</li> <li>• To understand the meaning of accounting for operating lease and finance lease.</li> <li>• To understand the meaning of Inflation</li> </ul>

	<p>accounting to learn the estimation of current purchasing power.</p> <ul style="list-style-type: none"> <li>• To study Investment Accounting.</li> </ul>
M.Com Costing I Semester I SCT: BUSINESS CORRESPONDENCE	<ul style="list-style-type: none"> <li>• By the end of this course, students should be able to:</li> <li>• Understand and demonstrate the use of basic and advanced proper writing techniques</li> <li>• Write effective and concise letters and memos,</li> <li>• Prepare informal and formal reports,</li> <li>• Perform general and basic tasks related to Business presentation</li> <li>•</li> </ul>
M.Com Costing I Semester-II RESEARCH METHODOLOGY FOR BUSINESS (2184203)	<ul style="list-style-type: none"> <li>• Upon successful completion of the course students will be able to</li> <li>• Develop understanding on various kinds of research, objectives of doing research, research process, research designs and sampling.</li> <li>• Have basic knowledge on qualitative research techniques</li> <li>• Have adequate knowledge on measurement &amp; scaling techniques as well as the quantitative data analysis</li> <li>• Have basic awareness of data analysis-and hypothesis testing procedures.</li> <li>• Enable the student potentials to organize, coordinate and focus for research aptitude with confidence.</li> </ul>
M.Com Costing I Semester-II MANAGERIAL ECONOMICS – II (2184202)	<ul style="list-style-type: none"> <li>• The study of Managerial Economics helps the students to become a skill full financial manager in the corporate world.</li> <li>• This subject helps the students to make career in banking sector.</li> <li>• It helps the students to become a good entrepreneur.</li> <li>• It helps the students to understand dynamics of various market Situations</li> </ul>
M.Com Costing I Semester-II ADVANCED COSTING - II (2184204)	<ul style="list-style-type: none"> <li>• Understand all aspects relating to cost accounting of material, Labor and overheads</li> <li>• Use Cost Accounting knowledge in different practical situation</li> <li>• Take different decisions with study of different</li> </ul>

	<p>costing techniques</p> <ul style="list-style-type: none"> <li>• Learning of Reconciliation of Cost and Financial Accounts</li> </ul>
M.Com Costing I Semester-II HUMAN RESOURCE MANAGEMENT (2184205)	<ul style="list-style-type: none"> <li>• To gain fundamental understanding of human resource management ideas, functions, and processes.</li> <li>• To Design and construct a variety of HRM processes including recruitment, selection, training, development, performance reviews, salaries, and incentives.</li> <li>• To apply HR concepts in order to make the best business decisions.</li> <li>• Learn about Artificial Intelligence and Big Data, the rising HR Analytics concepts.</li> </ul>
M.Com Costing I Semester-II SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT (OET)	<ul style="list-style-type: none"> <li>• Explored to different avenues of investment.</li> <li>• Equipped with the knowledge of security analysis.</li> <li>• Apply the concept of portfolio management for the better investment.</li> <li>• Invest in less risk and more return securities.</li> </ul>
M.Com Costing I Semester-II SCT: ADVANCED ACCOUNTANCY PAPER-II (AUDITING)	<ul style="list-style-type: none"> <li>• Describe about the concept, types &amp; methods of auditing.</li> <li>• Clarity about the applicability of different types of audits.</li> <li>• Acquired knowledge of audit documentation and audit evidence.</li> <li>• Understanding of the provisions regarding the appointment, qualifications, duties and liabilities of auditor, Audit Committee and have insight towards Corporate Governance</li> <li>• Know Audit under CIS Environment</li> </ul>

### UG Non Grant Courses

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

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.C.A I Semester I DSC-1A Fundamentals of Computer 2041102	<ul style="list-style-type: none"> <li>• Basics of an operating systems, programming languages, peripheral devices &amp; networking, Installation configure, and remove software and</li> </ul>

	<p>hardware.</p> <ul style="list-style-type: none"> <li>• Detail introduction about computer Languages</li> <li>• Computer systems technical specifications.</li> </ul>
<p>B.C.A I Semester I DSC-1A Logic Development with C Programming 2041103</p>	<ul style="list-style-type: none"> <li>• To develop problem solving concepts.</li> <li>• Understand operators, expressions and preprocessors.</li> <li>• Develop conditional statements to write programs in C.</li> <li>• Understand concept of an array, it's declaration and uses.</li> </ul>
<p>B.C.A I Semester I DSC-2A Web Programming – I 2041104</p>	<ul style="list-style-type: none"> <li>• Design and development of web-pages.</li> <li>• They are able to design static web pages by using HTML and CSS.</li> </ul>
<p>B.C.A I Semester I DSC-2A Software Engineering- I 2041105</p>	<ul style="list-style-type: none"> <li>• They will be able to know the meaning of software engineering and documentation required in software development</li> <li>• Types of techniques to collect the required data for development of the software</li> <li>• Different stages and models in software engineering.</li> </ul>
<p>B.C.A I Semester I DSC-3A Discrete Mathematics 2041106</p>	<ul style="list-style-type: none"> <li>• Students completing this course will be able to express a logic sentence in terms of predicates, quantifiers, and logical connectives.</li> <li>• Students completing this course will be able to evaluate Inverse functions.</li> </ul>
<p>B.C.A I Semester I DSC-3A Statistical Methods-I 2041107</p>	<ul style="list-style-type: none"> <li>• Students will get Practical Knowledge of Statistics</li> <li>• Students will come know application of statistical tools</li> <li>• Student will study Enhancement of computational ability and logical skills.</li> </ul>
<p>B.C.A I Semester I DSC-4A Digital Electronics 2041108</p>	<ul style="list-style-type: none"> <li>• Convert different types of codes and number systems which are used in digital communication and computer systems.</li> <li>• Employ the codes and number systems converting circuits and compare different types of logic families which are the basic unit of different types of logic gates in the domain of performance and efficiency.</li> <li>• Design and analyze circuits for digital arithmetic.</li> </ul>

	<ul style="list-style-type: none"> <li>• Draw a circuit diagram for a sequential logic circuit and analyze its timing properties</li> </ul>
<p>B.C.A I Semester I DSC-4A Operating System –I 2041109</p>	<ul style="list-style-type: none"> <li>• Students will be able to understand the structure, components and functions of the operating system.</li> <li>• They can get information about processes in the operating system and CPU scheduling algorithms.</li> <li>• Students will be able to understand the concept of synchronization and their problems.</li> </ul>
<p>B.C.A I Semester II DSC-1B Office Automation 2041202</p>	<ul style="list-style-type: none"> <li>• It will help to learn computer functionalities from basics to advance</li> <li>• students would be able to document spreadsheets, make small presentations</li> <li>• To develop future managers for offices and software awareness using office Automation.</li> </ul>
<p>B.C.A I Semester II DSC-1B Advanced Programming in C 2041203</p>	<ul style="list-style-type: none"> <li>• To understand dynamic memory allocations techniques.</li> <li>• To understand how to write &amp; use user defined functions.</li> <li>• Exercise concepts of file handling to manipulate file operations.</li> </ul>
<p>B.C.A I Semester II DSC-2B Web Programming – II 2041204</p>	<ul style="list-style-type: none"> <li>• Students are able to develop a dynamic webpage by the use of javascript</li> <li>• Students will be able to write a well formed / valid XML document.</li> </ul>
<p>B.C.A I Semester II DSC-2B Software Engineering- II 2041205</p>	<ul style="list-style-type: none"> <li>• They will be able to know the meaning of flowchart and all structural models</li> <li>• They can able to draw the ERD, DFT etc tools or diagrams of the real world applications types of techniques to collect the required data for development of the software.</li> <li>• They will able to know the testing required in the software developments.</li> </ul>
<p>B.C.A I Semester II DSC-3B Graph Theory 2041206</p>	<ul style="list-style-type: none"> <li>• Demonstrate mathematical skills, analytical and critical thinking abilities.</li> <li>• Demonstrate comprehension of discrete structures and their relevance within the context of computer science, in the areas of data structures and algorithms.</li> <li>• Students completing this course will be able to</li> </ul>

	use tree and graph algorithms to solve problems.
B.C.A I Semester II DSC-3B Statistical Methods-II 2041207	<ul style="list-style-type: none"> <li>• Students will get Practical Knowledge of Statistics</li> <li>• Students will come to know application of statistical tools</li> <li>• Students will study Enhancement of computational ability &amp; Enhancement of logical skills.</li> </ul>
B.C.A I Semester II DSC-4B Microprocessor 2041208	<ul style="list-style-type: none"> <li>• Access the basic knowledge of the microprocessor 8085 and explain its internal architecture and its operation within the area of manufacturing and performance.</li> <li>• Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor.</li> <li>• Study of interface IC's in order to interface the processor to external devices</li> <li>• Evaluate assembly language programs to perform various basic operations</li> </ul>
B.C.A I Semester II DSC-4B Operating System-II 2041209	<ul style="list-style-type: none"> <li>• What is the deadlock in operating system and how it can be prevented, avoided</li> <li>• How the processes access the resources</li> <li>• How the memory management in operating system</li> <li>• Concept of file and different file allocation, access methods</li> </ul>
B.C.A II Semester III DSC-1C OOPS with C++ 2141301	<ul style="list-style-type: none"> <li>• concepts and implementation of object oriented programming using C++.</li> <li>• the persistency invocation in language using file handling.</li> <li>• The output formatting using manipulators.</li> </ul>
B.C.A II Semester III DSC-1C Data structures using C-I 2141302	<ul style="list-style-type: none"> <li>• The fundamentals of data structures.</li> <li>• To identify suitable data structures for an application.</li> <li>• Time and space optimization in programming languages.</li> </ul>
B.C.A II Semester III DSC-2C Database Management System 2141303	<ul style="list-style-type: none"> <li>• understand fundamental concepts of a relational database system.</li> <li>• analyse database requirements and determine</li> </ul>

	<p>the entities involved in the system and their relationship to one another.</p> <ul style="list-style-type: none"> <li>develop the logical design of the database using data modelling concepts such as entity-relationship diagrams.</li> </ul>
<p>B.C.A II Semester III DSC-2C Software Testing &amp; Quality Assurance 2141304</p>	<ul style="list-style-type: none"> <li>Basic concepts of software testing</li> <li>the benefits of black box testing and white box testing.</li> <li>Test case design.</li> </ul>
<p>B.C.A II Semester III DSC-3C Web Development using PHP 2141305</p>	<ul style="list-style-type: none"> <li>design and develop dynamic, database-driven web applications using PHP.</li> <li>learn Server and Client-side validations in PHP.</li> <li>learn Object Oriented PHP.</li> </ul>
<p>B.C.A II Semester III DSC-3C Computer Networks-I 2141306</p>	<ul style="list-style-type: none"> <li>understand basics of networking concepts.</li> <li>get knowledge of Network Hardware.</li> <li>learn algorithms used to solve network problems.</li> </ul>
<p>B.C.A II Semester III SEC-1 Ethics and Cyber law 2141307</p>	<ul style="list-style-type: none"> <li>Students can explore, and acquire a critical understanding of Cyber Law.</li> <li>Students can get depth knowledge of Information Technology Act.</li> </ul>
<p>B.C.A II Semester IV DSC-1D Core Java 2141401</p>	<ul style="list-style-type: none"> <li>understand basics of java language.</li> <li>learn Graphical User Interface design.</li> <li>learn database connectivity with java used to develop Desktop Application.</li> </ul>
<p>B.C.A II Semester IV DSC-1D Data structures using C-II 2141402</p>	<ul style="list-style-type: none"> <li>Students will get knowledge of Sorting and Searching methods in data structure</li> <li>Student can understand different operations of tree and graph.</li> </ul>
<p>B.C.A II Semester IV DSC-2D MYSQL 2141403</p>	<ul style="list-style-type: none"> <li>learn structured query language.</li> <li>learn how to design and implement backend for project development.</li> <li>learn PL /SQL.</li> </ul>
<p>B.C.A II Semester IV DSC-2D XML Programming 2141404</p>	<ul style="list-style-type: none"> <li>The basics of creating XML documents, Transforming XML documents and validating XML Document</li> <li>To develop a valid XML document based on a DTD</li> <li>to use XML for data transfer.</li> </ul>

B.C.A II Semester IV DSC-3D Angular JS 2141405	<ul style="list-style-type: none"> <li>• Develop Single Page Application.</li> <li>• Include responsive animations in webpage.</li> </ul>
B.C.A II Semester IV DSC-3D Advanced Computer Networks 2141406	<ul style="list-style-type: none"> <li>• understand Congestion mechanism and how data will be routed in a network.</li> <li>• get knowledge of Wireless technologies.</li> <li>• understand importance of network security.</li> </ul>
B.C.A II Semester IV SEC-2 Python Programming 2141407	<ul style="list-style-type: none"> <li>• Graphical User Interface design in Python.</li> <li>• Database Connectivity with Python for Desktop Application Development.</li> <li>• use and implementation of multithreading and synchronization.</li> </ul>

### B.Sc. ECS (Bachelor of Entire Computer Science )

Course Title	Course Outcomes (Cos), Programme Specific Outcomes (PSOs)
B.Sc. ECS I Semester I DSC-1A Fundamentals of Computer 2061102	<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 input and output devices.</li> <li>• Understand the basics of Computer Networks</li> <li>• Awareness of Internet and Search Engines</li> </ul>
B.Sc. ECS I Semester I DSC-1A Office Automation 2061103	<ul style="list-style-type: none"> <li>• Students will learn computer applications from basics to advance</li> <li>• Office Automation Will help the students in documenting the reports.</li> <li>• With the help of Office automation students can perform accounting operations</li> <li>• It will help to learn presentation skills</li> <li>• Using open source applications</li> </ul>
B.Sc. ECS I Semester I DSC-2A Logic Development With 'C' Programming 2061104	<ul style="list-style-type: none"> <li>• Acquire the knowledge of how to write algorithm, flowchart and pseudo code of given problem</li> <li>• Acquire the basic knowledge of data types, operators and expressions.</li> <li>• Implement the Program by using conditional Statement and looping Statement.</li> <li>• Describe the concept of Array and it's types and</li> </ul>

	<p>develop the program by using Array.</p> <ul style="list-style-type: none"> <li>• Perform operations on String by using String handling functions.</li> </ul>
<p>B.Sc. ECS I Semester I DSC-2A Advanced Programming in C 2061105</p>	<ul style="list-style-type: none"> <li>• Acquire the knowledge of functions and types of functions and develop the program by using function concept.</li> <li>• Illustrate the different types of storage classes.</li> <li>• Explain pointer and it's types and Develop the program by using pointer.</li> <li>• Implement the program by using dynamic memory allocation.</li> <li>• Develop mini-project by using File handling and graphics concepts.</li> </ul>
<p>B.Sc. ECS I Semester I DSC-3A Discrete Structure 2061106</p>	<ul style="list-style-type: none"> <li>• Seek the knowledge of set theory, partition of sets, inclusion and exclusion principles.</li> <li>• State the concept of graphs, enumerate the types of graphs and their applications in practical situations.</li> <li>• Acquire the concepts of subgraph and draw or perform union, intersection and ring sum of graphs.</li> <li>• Demonstrate comprehension of discrete structure and their relevance within the context of computer science, in the areas of data structures and algorithms.</li> <li>• Describe the concepts and properties of trees.</li> </ul>
<p>B.Sc. ECS I Semester I DSC-3A Numerical Methods 2061107</p>	<ul style="list-style-type: none"> <li>• Solve the system of linear equations by using Gauss elimination and Jordan method.</li> <li>• Investigate and find the solution of nonlinear equations using different numerical methods (Bisection method, Regula Falsi method, Newton Raphson method) under different conditions and Compare different methods in numerical analysis w.r.t accuracy and efficiency of solution.</li> <li>• Derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration, the solution of linear and nonlinear equations, and the solution of differential equations.</li> <li>• Demonstrate the ability to interpret a differential equation qualitatively and Solve a variety of differential equations analytically and</li> </ul>

	<p>numerically. Using appropriate numerical methods determine the approximate solution of ODE and system of linear equations.</p>
<p>B.Sc. ECS I Semester I DSC-4A Linear Electronics-I 2061108</p>	<ul style="list-style-type: none"> <li>• Acquire concepts of Basic Electrical signals</li> <li>• Describe the working of basic electronics components</li> <li>• Classify the different networks theorems and use of it</li> <li>• Acquire basic knowledge on the working of various semiconductor devices</li> <li>• Develop analysis capability in BJT and FET Amplifier Circuits.</li> </ul>
<p>B.Sc. ECS I Semester I DSC-4A Digital Electronics 2061109</p>	<ul style="list-style-type: none"> <li>• Covert one number system into another Number system</li> <li>• Write the working of different Logic gates and construction universal building blocks using NAND and NOR gates</li> <li>• Describe the use of Boolean and K Map simplification methods</li> <li>• Construct basic combinational circuits and verify their functionalities</li> <li>• Differentiate between combinational and sequential logic circuits C</li> <li>• Design of Counters and Register.</li> </ul>
<p>B.Sc. ECS I Semester II DSC-1B Web Technology -I</p>	<ul style="list-style-type: none"> <li>• Understand the basic principles and standards of standard web design</li> <li>• Understand how to design websites with different website development models.</li> <li>• Know the different page types on websites and it's navigations.</li> <li>• Designing websites using HTML and CSS</li> </ul>
<p>B.Sc. ECS I Semester II DSC-1B Web Technology -II</p>	<ul style="list-style-type: none"> <li>• understand Java script and increase the interactivity of their website.</li> <li>• understand how to solve practical web design problems.</li> <li>• understand how to use jQuery to create effective scripts to improve the end-user experience.</li> <li>• understood how to publish and host the developed websites.</li> </ul>

<p>B.Sc. ECS I Semester II DSC-2B Object Oriented Programming-I</p>	<ul style="list-style-type: none"> <li>• Acquire the knowledge of object Oriented Concept.</li> <li>• Explain the difference between Procedure oriented Programming and Object Oriented programming.</li> <li>• Describe the concept of function overloading, Parameter passing methods</li> <li>• Acquire the knowledge of access specifier, static data member, static member function and Write the effective program with the help of these concepts.</li> <li>• Demonstrate the use of constructor and destructor with the help of program.</li> </ul>
<p>B.Sc. ECS I Semester II DSC-2B Object Oriented Programming-II</p>	<ul style="list-style-type: none"> <li>• Acquire the knowledge of operator overloading and overload different types of binary and unary operators in Program.</li> <li>• Develop reusable programs using the concepts of Inheritance and Polymorphism.</li> <li>• Classify the different types of inheritance and use them in Program.</li> <li>• Demonstrate the concept of virtual function and pure virtual function with the help of Program.</li> <li>• Handle the run time error by using exception handling mechanism and develop Generic Programming with the help of class and function template.</li> </ul>
<p>B.Sc. ECS I Semester II DSC-3B Mathematical Algebra</p>	<ul style="list-style-type: none"> <li>• Prove formulas that are valid for all <math>n \in \mathbb{N}</math> by using the principle of mathematical induction.</li> <li>• Illustrate relations between two sets and determine if the relation is partial order relation or equivalence relation using set operations.</li> <li>• Determine whether the function is one-one, onto and inverse of function.</li> <li>• State an argument using logical notation and determine if the argument is valid or invalid.</li> </ul>
<p>B.Sc. ECS I Semester II DSC-3B Operations Research</p>	<ul style="list-style-type: none"> <li>• Explicate the Operations Research, Linear Programming Problem and explain the methods of solving Solution of LPP using Graphical Method, Simplex method.</li> <li>• Solve Transportation and Assignment problems.</li> <li>• Develop linear programming (LP) models for shortest path, assignment problem and transportation problems.</li> </ul>

	<ul style="list-style-type: none"> <li>• Discern the mathematical tools that are needed to solve optimization problems.</li> </ul>
<p>B.Sc. ECS I Semester II DSC-4B Linear Electronics-II</p>	<ul style="list-style-type: none"> <li>• Describe the types of Multivibrator, Oscillators</li> <li>• Illustrate operational amplifiers characteristics and its various applications</li> <li>• Identify and describe various Audio and video devices and applications</li> <li>• Describe various sensors working and uses of it in real world</li> <li>• Write transducer basic working phenomenon</li> <li>• Classify different brush and brushless motors.</li> </ul>
<p>B.Sc. ECS I Semester II DSC-4B Digital Electronics and Microprocessor</p>	<ul style="list-style-type: none"> <li>• Describe basic building of PLD devices</li> <li>• Explain the principles of analog-to-digital (AD) - and digital-to-analog (DA) conversion</li> <li>• Classify different memory devices in context to speed, Storage capacity and working principle</li> <li>• Explain Internal blocks and architectures of microprocessors</li> <li>• Use various instruction of 8085 in ALP programming</li> <li>• Write Data transfer, Arithmetic and Logical ALP programming.</li> </ul>
<p>B.Sc. ECS II Semester III DSC-1C Data structure using C 2161301</p>	<ul style="list-style-type: none"> <li>• learn how to choose the right data structure to represent a data item in a real problem.</li> <li>• Understand basic data structures such as arrays, linked lists, stacks and queues.</li> <li>• understand the tree data structure with different tree traversal techniques.</li> <li>• Apply Algorithm for solving problems like sorting, searching, insertion and deletion of data</li> </ul>
<p>B.Sc. ECS II Semester III DSC-1C Data Base Management System 2161302</p>	<ul style="list-style-type: none"> <li>• Describe the features of database management systems, architecture of database systems, and the role of database users.</li> <li>• Analyze concept of Entity-Relationship model based on user requirements.</li> <li>• Design basics relational data model.</li> <li>• Program a data-intensive application using DBMS APIs</li> <li>• Designs MySQL queries to create database tables and make structural modifications.</li> </ul>

	<ul style="list-style-type: none"> <li>• Designs SQL queries to add data to the database, edit existing data, and to delete data from the database.</li> </ul>
<p>B.Sc. ECS II Semester III DSC-2C Advanced Microprocessor 2161303</p>	<ul style="list-style-type: none"> <li>• .Describe the general architecture of a microcomputer system and architecture organization of 8086 Microprocessor</li> <li>• Realize the Interfacing of memory &amp; various I/O devices with 8086 microprocessor</li> <li>• Describe the working of Minimum and maximum modes of 8086</li> <li>• Classify the instruction set of 8086 microprocessor</li> <li>• Distinguish the use of different instructions</li> <li>• Use instructions in assembly language programming.</li> </ul>
<p>B.Sc. ECS II Semester III DSC-2C Basics of Embedded System 2161304</p>	<ul style="list-style-type: none"> <li>• Understand the concept of embedded system, microcontroller, different components of microcontroller and their interactions.</li> <li>• Understand the importance of Microcontroller in the functioning of embedded systems</li> <li>• Acquire the detailed knowledge of Microcontroller 8051 and Embedded C Programming language.</li> <li>• Interface Microcontroller with other I/O devices</li> </ul>
<p>B.Sc. ECS II Semester III DSC-3C Descriptive Statistics-I 2161305</p>	<ul style="list-style-type: none"> <li>• Students will able for collection &amp; tabulation of data using scientific methods of data collection</li> <li>• Enable students to do descriptive analysis of data pertaining to objective of study</li> <li>• Students will learn the notion of measures of central tendency &amp; dispersion, also the proper implementation of these statistical tools in real life situations</li> <li>• Students will learn the concept of linear relationship between two variables &amp; methods of establishing the relationship</li> <li>• Students will able to do predictive analysis using regression model</li> <li>• Students will do statistical analysis using software's like R, SPSS etc.</li> </ul>

<p>B.Sc. ECS II Semester III DSC-3C Discrete Probability Distributions 2161306</p>	<ul style="list-style-type: none"> <li>• Learn basic difference between discrete and continuous random variables with real life situations</li> <li>• Basic fundamental aspects of probability theory with its applications</li> <li>• Learn widely used special discrete and continuous distributions with its properties</li> <li>• Able to estimate parameters of distribution with real life data</li> <li>• Understand basic concepts of testing of hypotheses</li> <li>• Use statistical small &amp; large tests of hypothesis with real data sets.</li> </ul>
<p>B.Sc. ECS II Semester III SEC-1 Software Engineering and Software testing 2161307</p>	<ul style="list-style-type: none"> <li>• Describe the concept of System, Characteristics of System, Role of System Analyst.</li> <li>• Distinguish the various software process models such as Waterfall model, spiral model, V model.</li> <li>• Analyze the requirements and Prepare Software Requirement Specification document of the Project.</li> <li>• Acquire the knowledge of manual and automation testing.</li> <li>• how to catch defects and bugs in the software using various latest methods.</li> </ul>
<p>B.Sc. ECS II Semester IV DSC-1D Core Java 2161401</p>	<ul style="list-style-type: none"> <li>• Use the syntax and semantics of java programming and basic concept of</li> <li>• object oriented programming concepts.</li> <li>• Develop reusable programs using the concepts of Inheritance and</li> <li>• polymorphism, interface, package</li> <li>• Acquire the knowledge of Collection framework.</li> <li>• Apply JDBC knowledge to provide a program level interface for</li> <li>• communicating with databases.</li> <li>• Develop the Desktop application with the help of awt and Jdbc Concept.</li> </ul>
<p>B.Sc. ECS II Semester IV DSC-1D Advanced Web Technology 2161402</p>	<ul style="list-style-type: none"> <li>• Distinguish between client side scripting server side scripting.</li> <li>• Acquire the basic knowledge of web development.</li> </ul>

	<ul style="list-style-type: none"> <li>• Analyze the syntax and semantics of Object oriented concept in PHP</li> <li>• Analyze the construction of a web page and relate how PHP and HTML combine to</li> <li>• produce the web page.</li> <li>• Develop Websites by using PHP with MYSQL concept and Apply the state management concept in development of Web Application.</li> </ul>
<p>B.Sc. ECS II Semester IV DSC-2D Peripheral Interface 2161403</p>	<ul style="list-style-type: none"> <li>• Describe the general architecture of a microcomputer system and architecture organization of 8086 Microprocessor</li> <li>• Realize the Interfacing of memory &amp; various I/O devices with 8086 microprocessor</li> <li>• Describe the working of Minimum and maximum modes of 8086</li> <li>• Classify the instruction set of 8086 microprocessor</li> <li>• Use instructions in assembly language programming</li> <li>• Describe ARM Core data flow model, Architectural inheritance and ARM7TDMI programming.</li> </ul>
<p>B.Sc. ECS II Semester IV DSC-2D Advanced Embedded System 2161404</p>	<ul style="list-style-type: none"> <li>• Acquire the basic knowledge about Arduino development board</li> <li>• Understand the importance of Microcontroller in the functioning of embedded systems</li> <li>• Summarize different types of Arduino boards and their features and Arduino IDE</li> <li>• Understand the basic concept of Arduino programming to perform different tasks.</li> <li>• Interface Arduino board with other I/O devices</li> </ul>
<p>B.Sc. ECS II Semester IV DSC-3D Descriptive Statistics- II 2161405</p>	<ul style="list-style-type: none"> <li>• Understand the concept of bivariate data</li> <li>• Learn statistical tools used for bivariate data analysis</li> <li>• Able to fit linear regression model for real life datasets and interpretation</li> <li>• Understand the significance of statistical software in data analysis and use of R software for statistical analysis</li> </ul>

<p>B.Sc. ECS II Semester IV DSC-3D Continuous Probability Distributions 2161406</p>	<ul style="list-style-type: none"> <li>• Understand the notion of continuous random variable with illustrative examples</li> <li>• Learn the basic difference between probability distribution function &amp; cumulative distribution function with their properties</li> <li>• To study continuous probability distributions with properties and fitting of continuous distributions to real datasets</li> <li>• Understand basic concepts of testing of hypotheses and use of small and large sample tests of hypotheses with real data sets</li> </ul>
<p>B.Sc. ECS II Semester IV SEC-2 Linux OS and Shell Programming 2161407</p>	<ul style="list-style-type: none"> <li>• Students will understand Linux basics and installation</li> <li>• Students will be able to explain Linux File System.</li> <li>• Students will understand the basic set of commands and utilities in Linux systems.</li> <li>• Students will be able to write shell programming and investigate &amp; manage processes.</li> <li>• Students will be able to apply Linux networking concept to setup a small network.</li> </ul>

### BBA (Bachelor of Business Administration)

<b>Course Title</b>	<b>Course Outcomes (Cos), Programme Specific Outcomes (PSOs)</b>
<p>BBA I Semester I AECC 1 Business Communication – I 2051101</p>	<ul style="list-style-type: none"> <li>• Explain the process of communication, channels and barriers of communication</li> <li>• Explain the principles of effective written communication</li> <li>• Effectively use writing skills to draft Business Letters and Emails</li> <li>• Effectively use writing skills to draft reports, notice, agenda, and minutes of meeting</li> <li>• Analyze a business case study and think about the best possible solution</li> </ul>
<p>BBA I Semester I CC 1 Principles of Management – I 2051102</p>	<ul style="list-style-type: none"> <li>• Explain the principles of management and compare contribution of managerial scientists.</li> <li>• Describe the planning and decision-making process</li> <li>• Explain the process of organizing and authority</li> </ul>

	<p>delegation</p> <ul style="list-style-type: none"> <li>• Describe the importance of decentralization and co-ordination</li> <li>• Describe the similarities and difference in business management practices applied in various countries as compared to India.</li> </ul>
<p>BBA I Semester I CC2 Accounting for Business – I 2051103</p>	<ul style="list-style-type: none"> <li>• Explain the meaning and importance of Bookkeeping and Accounting</li> <li>• Explain the accounting concepts, principles, conventions, and standards</li> <li>• Prepare the Trial Balance</li> <li>• Calculate the Depreciation using straight line and reducing balance method</li> <li>• Prepare the Final Accounts for Sole Proprietor</li> </ul>
<p>BBA I Semester I CC 3 Business Economics – I 2051104</p>	<ul style="list-style-type: none"> <li>• Understand the various business decisions and basic concepts of micro and macroeconomics</li> <li>• Explain how consumer behaviour shapes the demand curve with respect to utility</li> <li>• Measure how changes in price and income affect the behaviour of buyers and sellers</li> <li>• Analyze the relationship between inputs used in production and the resulting outputs</li> <li>• Understand pricing and output decisions under various market structures</li> </ul>
<p>BBA I Semester I CC 4 Business Organization &amp; Environment – I 2051105</p>	<ul style="list-style-type: none"> <li>• Describe the economic and social objectives of business. Explain the impact of industrial revolution.</li> <li>• Distinguish between the various forms of business organization. Explain the factors that influence the choice of a suitable form of business organization.</li> <li>• Explain the different types of trade. Appreciate the services of wholesalers and retailers.</li> <li>• Examine the role of various auxiliaries in facilitating trade</li> <li>• Elaborate the applications of technology in business. Examine the scope of outsourcing and appreciate its need.</li> </ul>
<p>BBA I Semester I CC 5 IT for Management – I 2051106</p>	<ul style="list-style-type: none"> <li>• Explain the input, output devices of computer and know the internal and external memory components.</li> <li>• Describe the functions of operating systems and</li> </ul>

	<p>know the concept of application software.</p> <ul style="list-style-type: none"> <li>• Draft a document in Word file by applying various formatting tools</li> <li>• Use the Excel Sheet for drawing customized tables by applying various tools</li> <li>• Prepare PowerPoint Slides for presentation using various tools.</li> </ul>
<p>BBA I Semester II AECC 2 Business Communication – II 2051201</p>	<ul style="list-style-type: none"> <li>• Explain the principles of effective oral communication</li> <li>• Effectively use oral skills during interviews and group discussions.</li> <li>• Effectively apply oral skills during presentations</li> <li>• Observe and apply the non-verbal modes of communication</li> <li>• Explain the various technologies used in communication</li> </ul>
<p>BBA I Semester II CC 1 Principles of Management – II 2051202</p>	<ul style="list-style-type: none"> <li>• Explain the process of staffing and the importance of directing and supervising</li> <li>• Explain the process and techniques of motivation</li> <li>• Describe the importance of leadership and various leadership styles</li> <li>• Explain the process and techniques of controlling</li> <li>• Justify the importance of doing business ethically</li> </ul>
<p>BBA I Semester II CC2 Accounting for Business – II 2051203</p>	<ul style="list-style-type: none"> <li>• Prepare the Cost Sheet by classifying various cost elements</li> <li>• Calculate stock levels of Materials, prepare the stock ledger</li> <li>• Compute wages under various Remuneration system &amp; Incentive schemes</li> <li>• Compute the Machine Hour Rate in the process of overhead distribution</li> <li>• Understand the usefulness of Marginal Costing in calculating Break-even point</li> </ul>
<p>BBA I Semester II CC 3 Business Economics – II 2051204</p>	<ul style="list-style-type: none"> <li>• Explain the basics of Macro Economics with its objectives</li> <li>• Describe the challenges faced by Indian economy in its Economic Development</li> <li>• Describe the functions of commercial banks,</li> </ul>

	<p>central bank and the objectives of monetary policy</p> <ul style="list-style-type: none"> <li>• Understand the management of public revenue and expenditure</li> <li>• Explain the importance of investment in human capital for economic growth and development</li> </ul>
<p>BBA I Semester II CC 4 Business Organization &amp; Environment – II 2051205</p>	<ul style="list-style-type: none"> <li>• Brief out an overview about the environment in which the business works</li> <li>• Explain how the economic environment affects the working of a business</li> <li>• Explain how the technological environment affects the working of a business</li> <li>• Explain how the social and cultural environment affects the working of a business. Elaborate the concept of Corporate Social Responsibility</li> <li>• Explain how the political and legal environment affects the working of a business and what are the benefits of good corporate governance</li> </ul>
<p>BBA I Semester II CC 5 IT for Management – II 2051206</p>	<ul style="list-style-type: none"> <li>• Explain the data communication channels and basics of networking in business environment</li> <li>• Describe the importance of Management Information System in business</li> <li>• Understand the various types of information systems with their applications</li> <li>• Identify how the information system is applied in business</li> <li>• Explain the applications of E-commerce and M-Commerce in business.</li> </ul>
<p>BBA II Semester III CC 6 Statistics for Business Research – I 2151301</p>	<ul style="list-style-type: none"> <li>• Explain the meaning, process and the criteria required for good research</li> <li>• Summarize the types of research, research designs and how good research design should be.</li> <li>• Illustrate what a sample is, what are the various methods of sampling and also, primary &amp; secondary sources of data.</li> <li>• Interpret the scaling techniques and its usefulness.</li> <li>• Prepare their own research report.</li> </ul>

<p>BBA II Semester III CC 7 Foundation of Human Skills – I 2151302</p>	<ul style="list-style-type: none"> <li>• Connect the importance of soft skills in corporate world and appraise the need of practicing soft skills</li> <li>• Use the concept of SWOT analysis on self and summarize its importance.</li> <li>• Recognize the factors affecting individual behavior</li> <li>• Illustrate the importance of Emotional intelligence with examples.</li> <li>• Prioritize individual tasks for effective time management and stress management.</li> </ul>
<p>BBA II Semester III CC 8 International Business – I 2151303</p>	<ul style="list-style-type: none"> <li>• State the scope of international business and its approaches.</li> <li>• Explain Free trade policy and trade barriers in international business,</li> <li>• Discuss Exporting, Licensing, Franchising and FDI as modes of entry in international business.</li> <li>• Recall implications of Exim /Foreign trade policy 2015-2020 and role of DGFT, IIFT and CoC.</li> <li>• State the registration formalities for exports and imports in India.</li> </ul>
<p>BBA II Semester III CC 9 Entrepreneurship Development – I 2151304</p>	<ul style="list-style-type: none"> <li>• State the role of entrepreneurship in economic development of India.</li> <li>• Clarify how the rural entrepreneurship and social entrepreneurship can help the rural economy.</li> <li>• Summarize challenges faced by women entrepreneurs and family managed business in India</li> <li>• Explain agri-preneurship and list out opportunities in agri-preneurship.</li> <li>• Elaborate the concept of entrepreneurship motivation and identify the requisite competencies.</li> </ul>
<p>BBA II Semester III CC 10 Management Accounting – I 2151305</p>	<ul style="list-style-type: none"> <li>• Describe the meaning and scope of Management Accounting</li> <li>• Interpret the role of Management in Decision-Making Process.</li> <li>• Calculate the PVR, Breakeven point and margin of safety which is an important tool for short-run decisions about costs, volume, profit, selling prices for profit planning and to set the desired</li> </ul>

	<p>activity level of the firm.</p> <ul style="list-style-type: none"> <li>• Prepare various types of budgets which will be a helpful technique in financial business</li> <li>• planning for future.</li> </ul>
<p>BBA II Semester III GE 1A Financial Services 2151306</p>	<ul style="list-style-type: none"> <li>• Describe the importance of financial literacy and list out institutions providing financial services.</li> <li>• Summarize how the banking system operates and procedure to open account, &amp; operate services offered by banks</li> <li>• Open, avail and operate services offered by Post office</li> <li>• Plan for life insurance and property insurance</li> </ul>
<p>BBA II Semester III SEC 1 Business Plan Project 2151308</p>	<ul style="list-style-type: none"> <li>• Acquire the basic knowledge about contents of a business plan</li> <li>• Write a clear description of their proposed business</li> <li>• Analyze the feasibility of their business</li> <li>• Prepare a detailed checklist for next steps to research and launch their business.</li> </ul>
<p>BBA II Semester IV CC 6 Statistics for Business Research – II 2151401</p>	<ul style="list-style-type: none"> <li>• Classify, prepare, and present the data in tabular format.</li> <li>• Do Graphical presentation of data by locating mode on histogram &amp; median on Ogive.</li> <li>• Explain the various measures of central tendencies and their properties.</li> <li>• Find the degree &amp; direction of correlation between comparable variables which will help them to predict, plan &amp; control business activities in future.</li> </ul>
<p>BBA II Semester IV CC 7 Foundation of Human Skills – II 2151402</p>	<ul style="list-style-type: none"> <li>• Demonstrate the importance of body language &amp; etiquette.</li> <li>• Develop a good attitude, discuss the perception process and explain factors affecting perception.</li> <li>• Express the importance of group behavior &amp; team building.</li> <li>• Develop problem solving techniques &amp; understand difference between Bio data &amp; CV</li> <li>• Clarify the concept, dimensions &amp; determinants of organizational climate.</li> </ul>

<p>BBA II Semester IV CC 8 International Business – II 2151403</p>	<ul style="list-style-type: none"> <li>• Detail the concept of international marketing and importance of import and export.</li> <li>• Describe the role of multinational corporations in India</li> <li>• Explain the role of foreign direct investment and the benefits associated to it.</li> <li>• Explain how International Monetary Fund functions.</li> <li>• Describe the international market entry strategies and international product planning.</li> </ul>
<p>BBA II Semester IV CC 9 Entrepreneurship Development – II 2151404</p>	<ul style="list-style-type: none"> <li>• Recognize the distinct entrepreneurship traits</li> <li>• Identify the parameters to assess opportunities and constraints for starting a new business</li> <li>• Explain the systematic process to select and screen a business idea</li> <li>• Design strategies for successful implementation of ideas</li> <li>• Formulate an outline of business plan</li> </ul>
<p>BBA II Semester IV CC 10 Management Accounting – II 2151405</p>	<ul style="list-style-type: none"> <li>• Calculate the difference between standard cost &amp; actual cost and determine the meaning of standard costing as a control device which highlights activities that are not according to the plan and alert the management for corrective measure.</li> <li>• Examine the various ratios and interpret the calculated figures which will assist the management in taking corrective measures.</li> <li>• Describe the importance of Management Information System, type of reports, various levels of management.</li> </ul>
<p>BBA II Semester IV GE 2A Taxation</p>	<ul style="list-style-type: none"> <li>• Discuss the various concepts in taxation, tax slabs and deductions available.</li> <li>• Evaluate the residential status of an Individual.</li> <li>• Compute the taxable income of an individual.</li> <li>• Explain the meaning of Short term &amp; Long-term Capital Gains.</li> <li>• Explain the genesis/meaning of GST and the Four tier GST rate structure.</li> </ul>
<p>BBA II Semester IV GE 2B Mind Management 2151406</p>	<ul style="list-style-type: none"> <li>• Express the importance of body management techniques-asanas, Pranayama, Kriya</li> <li>• Demonstrate postures of Hatha Yoga, Raja</li> </ul>

	<p>Yoga and Laya Yoga</p> <ul style="list-style-type: none"> <li>• Interpret the significance of Meditation in business context</li> <li>• Demonstrate asanas, pranayama and kriya with proficiency</li> <li>• Summarize the importance of Ayurveda in modern lifestyle</li> </ul>
<p>BBA II Semester IV SEC 2 Market Survey Project 2151408</p>	<ul style="list-style-type: none"> <li>• Apply the theoretical knowledge of conducting a market research survey in real life.</li> <li>• Design an effective questionnaire and launch a survey to the target audience.</li> <li>• Analyze survey results, perform basic calculations.</li> <li>• Synthesize research findings and develop and deliver insights.</li> </ul>

### M.Sc. Computer Science

<b>Course Title</b>	<b>Course Outcomes (Cos), Programme Specific Outcomes (PSOs)</b>
<p>M.Sc. Computer Science I POs</p>	<ul style="list-style-type: none"> <li>• Ability to think deeply when forced with new knowledge</li> <li>• Ability to develop creative, critical and evidence-based responses to professional challenges.</li> <li>• Ability to construct innovative solutions.</li> <li>• Able to well prepared for living, learning and working in a digital Society.</li> <li>• Able to flexible and resilient and act with integrity in constant changing circumstances in Computer Science field.</li> <li>• Ability to apply their knowledge in practice including in multi-disciplinary or multi-professional perspectives.</li> <li>• An understanding of Social and civic responsibility and ability to apply ethical standards in relation to major area of study.</li> </ul>
<p>M.Sc. Computer Science I Semester I HCT 1.1 Object Oriented Programming Using C++ (2074101)</p>	<ul style="list-style-type: none"> <li>• Identifies the difference between the top-down and bottom-up approach.</li> <li>• Demonstrate the object-oriented programming approach with C++.</li> </ul>

	<ul style="list-style-type: none"> <li>• Design &amp; implement various forms of inheritance &amp; calling base class constructors.</li> <li>• Implements exception handling mechanism in code to handle runtime errors.</li> </ul>
M.Sc. Computer Science I Semester I HCT 1.2 Database Management System (2074102)	<ul style="list-style-type: none"> <li>• Explain various data models</li> <li>• Apply the normalization technique in the software applications</li> <li>• Design various kinds of SQL queries for retrieving relevant data</li> <li>• Compare different database recovery techniques</li> <li>• Describe parallel processing of different queries</li> </ul>
M.Sc. Computer Science I Semester I HCT 1.3 Design and Analysis of Algorithm (2074103)	<ul style="list-style-type: none"> <li>• Understand basic data structures such as arrays, linked lists, stacks and queues</li> <li>• Demonstrate algorithm for efficiently searching and sorting</li> <li>• Describe algorithm for problem solving using Divide and Conquer Method, Greedy strategy &amp; Backtracking techniques.</li> <li>• Explain competitive analysis and to which situations it applies.</li> </ul>
M.Sc. Computer Science I Semester I SCT 1.1: Research Methodology (2074104)	<ul style="list-style-type: none"> <li>• Explain meaning, objectives, Motivation &amp; characteristics of scientific methods of research.</li> <li>• Learn aspects of testing of hypothesis in the perspective of research</li> <li>• Describe importance of research and different types of research &amp; problem of measurements in research design with illustrative examples</li> <li>• Students will understand the basic concepts of population, sample, and different sampling strategies of data collection &amp; students will be able to decide which sampling scheme is to be preferred while data collection</li> </ul>
M.Sc. Computer Science I Semester I SCT 1.2: Software Engineering and Testing (2074105)	<ul style="list-style-type: none"> <li>• Explain software engineering life cycle including the specification, design, implementation, and testing of software systems</li> <li>• Explain the software Requirement Specification documents, data dictionary</li> <li>• Explain UML models, Design concepts &amp; principles</li> <li>• Explain software testing concepts, White Box and Black Box testing</li> </ul>

M.Sc. Computer Science I Semester II HCT 2.1 Advanced Java (2074201)	<ul style="list-style-type: none"> <li>• Develop any application using the MVC framework.</li> <li>• Develop website in any local language of any country</li> <li>• Implement use xml document with java to represent data</li> </ul>
M.Sc. Computer Science I Semester II HCT 2.2 Python Programming (2074202)	<ul style="list-style-type: none"> <li>• Apply basic python objects and libraries to build desktop application5</li> <li>• Design the programs implementing OOP concepts</li> <li>• Analyze the data using visualization techniques</li> <li>• Apply modules for data manipulation</li> <li>• Describe the process of web application development</li> </ul>
M.Sc. Computer Science I Semester II SCT 2.1: Digital Image Processing (2074203)	<ul style="list-style-type: none"> <li>• Explain the fundamental concepts of a digital image processing system.</li> <li>• Evaluate the techniques for image enhancement and image restoration.</li> <li>• Analyze images in the frequency domain using various transforms.</li> <li>• Interpret image segmentation and representation techniques.</li> </ul>
M.Sc. Computer Science I Semester II SCT 2.2: Computer Communication Network (2074204)	<ul style="list-style-type: none"> <li>• Explain the Data Communications System and its components.</li> <li>• Identify the different types of network topologies and protocols.</li> <li>• Enumerate the layers of the OSI model and TCP/IP. Explain the function(s) of each layer.</li> <li>• Identify the different types of network devices and their functions within a network.</li> </ul>
M.Sc. Computer Science I Semester II OET 2.1 : Office Automation (2074205 )	<ul style="list-style-type: none"> <li>• Design and maintain document documents using MS Word</li> <li>• Design and maintain spreadsheets using MS Excel</li> <li>• Design slide shows using MS Power Point</li> <li>• Use different types of software tools like Audio and Video, Word to PDF and PDF to Word, Image Reader And Converter, Scanner handling.</li> </ul>

<p>M.Sc. Computer Science I Semester II OET 2.2 : Web Technology (2074206)</p>	<ul style="list-style-type: none"> <li>• Designs site and page using different types of HTML &amp; HTML5 tags.</li> <li>• Apply styles to pages using CSS &amp; CSS 3.</li> <li>• Handle user input &amp; data with form elements &amp; javascript.</li> <li>• Validate user data using javascript</li> </ul>
<p>M.Sc. Computer Science II Semester III HCT 3.1 PHP and J Query (2174301)</p>	<ul style="list-style-type: none"> <li>• Install various PHP frameworks and develop simple PHP programs.</li> <li>• Integrate HTML forms to PHP scripts.</li> <li>• Build Dynamic web site using server-side PHP Programming and Database connectivity.</li> <li>• Design a responsive web site.</li> </ul>
<p>M.Sc. Computer Science II Semester III HCT 3.2 : Android Programming (2174302)</p>	<ul style="list-style-type: none"> <li>• Design and develop user Interfaces for the Android platform.</li> <li>• Design and develop user Interfaces for the IOS platform.</li> <li>• Implement Google Map in an application.</li> <li>• Demonstrate their ability to deploy software to mobile devices</li> </ul>
<p>M.Sc. Computer Science II Semester III SCT 3.1: Data Warehouse and Data Mining (2174303)</p>	<ul style="list-style-type: none"> <li>• Define the data warehouse and its operations</li> <li>• Describe the process of data mining</li> <li>• Identify frequent items within data</li> <li>• Apply classification techniques to build models</li> <li>• Analyse working of different clustering algorithms.</li> </ul>
<p>M.Sc. Computer Science II Semester III SCT 3.2: Internet of Things (2174304)</p>	<ul style="list-style-type: none"> <li>• Explain fundamental concepts of IoT</li> <li>• Explain roles of sensors in IoT</li> <li>• Explain different protocols used for IoT design</li> <li>• To be familiar with data handling and analytics tools in IoT</li> </ul>
<p>M.Sc. Computer Science II Semester III OET 3.1: Linux Operating System (2174305)</p>	<ul style="list-style-type: none"> <li>• Explain basic commands of linux operating system and can write shell scripts</li> <li>• Students will be able to create file systems and directories and operate them</li> <li>• Describe and apply various file related commands</li> <li>• Can apply the concepts of pipes and filters.</li> <li>• Can explain how processes are created and their attributes.</li> </ul>

<p>M.Sc. Computer Science II Semester III OET 3.2: Basics of Networking (2174306)</p>	<ul style="list-style-type: none"> <li>• Explain basic concepts of data communications and networking.</li> <li>• Identify network layered models, the Open System Interconnect (OSI) and the Internet Model using TCP/IP protocols.</li> <li>• explain how noise, attenuation, and distortion affect signal transport, encoding methods of analog and digital data digital transmission. Flow and Congestion control.</li> <li>• Explain the use of LAN components like Bridges, Switches, Routers etc. and the backbone networks.</li> </ul>
<p>M.Sc. Computer Science II Semester IV HCT 4.1: Dot Net technology (2174401)</p>	<ul style="list-style-type: none"> <li>• Adopt Microsoft .NET Framework and ASP.NET Page structure.</li> <li>• Design a web page with various controls.</li> <li>• Implement ADO.NET to access data in a web application.</li> <li>• Adopt MVC patterns, HTML Helpers, Entity Framework &amp; Data Annotations.</li> </ul>
<p>M.Sc. Computer Science II Semester IV HCT 4.2: Soft Computing (2174402)</p>	<ul style="list-style-type: none"> <li>• Learn about soft computing techniques and their applications.</li> <li>• Analyse various neural network architectures.</li> <li>• Define the fuzzy systems.</li> <li>• Analyse the Genetic representations and their applications.</li> </ul>
<p>M.Sc. Computer Science II Semester IV HCT 4.3: R Programming (2174403)</p>	<ul style="list-style-type: none"> <li>• Explain critical R programming</li> <li>• the use of data structures and loop functions</li> <li>• Apply various concepts to write program in R</li> <li>• Efficiently interpret and translate the reports generated using R software</li> </ul>
<p>M.Sc. Computer Science II Semester IV SCT 4.1: Artificial Intelligence (2174403)</p>	<ul style="list-style-type: none"> <li>• Write down applications of AI in real-world situations</li> <li>• Apply reasoning techniques on facts</li> <li>• Explain use of models in reasoning</li> <li>• Analyze the process of language understanding by computer</li> <li>• Analyze the working of expert systems.</li> </ul>
<p>M.Sc. Computer Science II Semester IV SCT 4.2: Big Data Analytics (2174405)</p>	<ul style="list-style-type: none"> <li>• Learn Big data and its analytics in the real world.</li> <li>• Design of algorithms to solve data intensive</li> </ul>

	<p>problems Analyze the big data framework</p> <ul style="list-style-type: none"><li>• like Hadoop, pig to efficiently store and process big data to generate analytics.</li><li>• Implementing Big Data Activities using Hive.</li></ul>
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