



किसान विद्या प्रसारक संस्थेचे

किसान कला, वाणिज्य व विज्ञान महाविद्यालय

Kisan Vidya Prasarak Sanstha's

KISAN ARTS, COMMERCE & SCIENCE COLLEGE

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Principal

Outward No. : /202 -202

Date : / /202

**Programme Outcomes (PO's), Programme
Specific Outcomes (PSO's) and Course
Outcomes (CO's)**

Department of Marathi

Programme Outcomes: B.A. Marathi

Department of Marathi	After successful completion of three year degree program in Marathi a student should be able to
Programme Outcomes	१. नाटकाची अभिरुची विकसित करून घेतो तसेच नाटकाच्या चिकित्सक अभ्यासाची क्षमता विकसित होते.
	२. मराठी एकांकिकेच्या द्वारे विद्यार्थ्यांमध्ये लेखन कौशल्य विषयक दृष्टीकोन निर्माण करता येतो.
	३. संवादाची क्षमता विकसित करता येते तसेच भाषिक कौशल्य विकसित करता येते
	४. दलित एकांकिकांमधून सामाजिक एकता निर्माण करून समाजकार्यासाठी दिशा दाखविता येते.
	५. एकांकिकेविषयी आस्वाद क्षमता विकसित करता येते.
	६. ललित गद्यातून थोर पुरुष व स्त्रियांच्या जीवनचरित्रमधून नीती-आचरण चिंतनशीलता व भावनात्मकता सूत्राचा परिचय करून देता येतो तसेच स्त्री व पुरुष यांच्या जीवनाच्या विविध पैलूंचे दर्शन घडविता येते.
	७. मध्ययुगीन मराठी वाग्मयाच्या निर्मितीमागील प्रेरणा इतिहास, स्वरूप व वैशिष्टे बखर्सेच विविध साहित्यकृतीचा स्थूल परिचय करून घेता येतो.
	८. वारकरी संप्रदायातील संत कवींच्या काव्यनिर्मिती चे स्वरूप बकर वाग्मयाचा स्वरूप व वैशिष्ट्यांचा परिचय करून देऊन बखर व अभंग यांची आस्वादक क्षमता विकसित करता येते.
	९. नाट्य अभिरुची विकसित करता येते तसेच नाट्य संकल्पना या आस्वादाची डोळस क्षमता विकसित करता येते.
	१०. भाषेचे स्वरूप कार्य भाषा उत्पत्ती चे सिद्धांत भाषा कूल संकल्पना प्रांतिक भेद मराठीच्या प्रमुख बोली यांचा परिचय भाषाविषयक असलेले गैरसमज मराठी वरील अन्य भाषांचा पडलेला प्रभाव तसेच मराठी भाषा उत्पत्ती विषयीची मते जाणून घेऊन मराठीची पूर्वपीठिका लक्षात घेता येते.
	११. मराठी व्याकरणाची आस्वादक क्षमता विकसित करून आकलन क्षमता विकसित करणे
	१२. लोकरंगभूमीची संकल्पना स्वरूप वैशिष्ट्ये लोकसाहित्य लोकरंगभूमी यांचा परस्पर संबंध तसेच वही गायन, भारूड, दशावतार, तमाशा, लोकनाट्य, पथनाट्य, सत्यशोधक जलसे, रिंगणनाट्य व कीर्तन यांचे स्वरूप वैशिष्ट्यांचा परिचय करून देऊन लोकसाहित्य विषयक अभिरुची विकसित करता येते.
	१३. दृकश्राव्य माध्यमांचा परिचय करून घेऊन त्यासाठी लेखन व संवाद कौशल्य यांचा परिचय करून घेऊन ऊन दृकश्राव्य माध्यमांचे कार्य उपयुक्तता कार्यक्रमासाठी लेखन तंत्र व दूरचित्रवाणी साठी निवेदन कौशल्य विकसित करता येते .
	१४. आधुनिक समाज माध्यमांचा परिचय करून घेता येतो त्याच बरोबर त्यांचे कार्य उपयुक्तता आणि ई-मेल ब्लॉग फेसबुक ट्विटर व्हाट्सअप युट्युब यासाठी लेखन तंत्र व

	निवेदन कौशल्य विकसित करता येते.
	१५. निबंध लेखनाचे स्वरूप घटक प्रकार यांचा परिचय करून घेता येतो त्याच बरोबर निबंध लेखनाचा सराव करून निबंध लेखनाचे कौशल्य विकसित करता येते.
	१६. कथेची अभिरुची विकसित करून तसेच कथेच्या चिकित्सक अभ्यासाची क्षमता विकसित करता येते.
	१७. यशस्वी उद्योजकांच्या चरित्रावर द्वारे विद्यार्थ्यांमध्ये व्यावसायिक दृष्टिकोन निर्माण करता येतो.
	१८. संवादाची क्षमता विकसित करता येते आणि भाषिक कौशल्य विकसित करता येते.
	१९. उत्तम दर्जाची व्यवसायिक वृत्ती निर्माण करून यशस्वी उद्योगाची दिशा दाखविता येते.
	२०. कादंबरीची आस्वादक क्षमता विकसित होते.
	२१. पौराणिक व पाश्चिमात्य साहित्यशास्त्रातील विविध संकल्पना साहित्याचे स्वरूप साहित्याचे प्रयोजन आणि साहित्याची निर्मिती प्रक्रिया यांचा स्तूल परिचय करून घेता येतो.
	२२. नाट्य अभिरुची विकसित करता येते तसेच नाट्य संकल्पना नाट्य स्वादाची डोळस क्षमता विकसित करता येते.
	२३. मराठी व्याकरणाची आस्वादक क्षमता विकसित करून आकलन क्षमता विकसित करणे.

Course Outcomes B.A. Marathi

एफ.वाय. बी. ए. मराठी जनरल (विशिष्ट वांग्मय प्रकाराचा अभ्यास)	१)मराठी वाङ्मयातील कथा या मूलभूत वांग्मय प्रकाराची ओळख होण्यास मदत होते २)कथा तिचे स्वरूप घटक आणि प्रमुख प्रकारांचा परिचय विद्यार्थ्यांना होतो ३)मराठी कथेच्या आजवरच्या वाटचालीचा परिचय विद्यार्थ्यांना होतो ४)कथेच्या अभ्यासाची दृष्टी विद्यार्थ्यांमध्ये रुजविण्यात सदर अभ्यासक्रमाची मदत होते.
एस. वाय. बी. ए. मराठी जनरल वैचारिक गद्य लेखनाचा अभ्यास (शेतकऱ्याचा असूड)	१) विद्यार्थ्यांना वैचारिक बद्दल लेखनाच्या परंपरेची ओळख करून घेता आली २) विद्यार्थ्यांना महात्मा फुले यांचे जीवन कार्य व त्यांची वैचारिक जडणघडण याबाबत माहिती जाणून घेता आली ३)शेतकऱ्यांचा असूड पुस्तकातील वैचारिक आशयाची स्वरूप वैशिष्ट्यांची तसेच वांग्मय गुणवैशिष्ट्ये यांची ओळख करून घेता आली ४)चरित्र-आत्मचरित्र लेखनाचे सामाजिक वांग्मय दृष्ट्या महत्त्व विद्यार्थ्यांना समजण्यास मदत होते ५) मराठीतील चरित्र व आत्मचरित्र लेखन परंपरेचा परिचय विद्यार्थ्यांना करून घेता येतो ६)चरित्र-आत्मचरित्र लेखनाची सामाजिक व वैशिष्ट्यपूर्णता व लेखन पद्धती याबाबत प्रात्यक्षिकांच्या माध्यमातून विद्यार्थ्यांना जाणिव करून घेता येते.
एस. वाय. बी. ए. एस-१ वांग्मय प्रकाराचा अभ्यास (कादंबरी व कविता)	१)विद्यार्थ्यांना कादंबरी या वांग्मय प्रकाराची ओळख करून घेता आली २)विद्यार्थ्यांना आधुनिक काळातील कादंबरीच्या प्रेरणा समजून घेता आल्या ३)अवकाळी पावसाच्या दरम्यानची गोष्ट या कादंबरीचा आशय त्यातील संघर्ष पात्र चित्रण यांचे प्रातिनिधिक स्वरूपात अध्ययन करण्यास मदत होते ४)अवकाळी पावसाच्या दरम्यानची गोष्ट या कादंबरीतील ग्रामीण जीवन वास्तवाचे स्वरूप विद्यार्थी समजून घेतात ५)कादंबरीची वांग्मय मूल्यमापन करून घेण्याची दृष्टी विकसित होते ६)कविता या वांग्मय प्रकाराचे स्वरूप वैशिष्ट्ये वाटचाल प्रकार व घटक यांचा परिचय विद्यार्थ्यांना करून घेता येतो

	<p>७) माझे विद्यापीठ या कवितासंग्रहातील जीवन जाणिवांचा शोध विद्यार्थी घेतात ८) कवितेचे वांग्मय आकलन व मूल्यमापन करण्याची विद्यार्थ्यांची दृष्टी विकसित होते.</p>
Programme specific Outcomes	१. एकांकिका या नाट्य प्रकाराचे स्वरूप वाटचाल लेखन वैशिष्ट्ये समजून घेणे
	२. वांग्मयीन अभिरुची विकसित करणे
	३. ललित गद्य वांग्मय प्रकाराची संकल्पना स्वरूप व वैशिष्ट्ये वाटचाल यांची माहिती करून घेणे व ललित गद्य लेखनातील विविध प्रकारांची व बदलत्या स्वरूपाची ओळख करून घेणे
	४. संवादासाठीची विविध भाषिक कौशल्य विकसित करणे
	५. मध्ययुगीन मराठी वांग्मयाचा इतीहास निर्मितीमागील प्रेरणा स्वरूप व वैशिष्ट्ये यांचा परिचय करून घेणे
	६. मराठीच्या कालिक भेदांचे स्वरूप प्रांतिक भेद बोलीचे स्वरूप वैशिष्ट्ये भाषेविषयी असलेले गैरसमज याचा अभ्यास करणे
	७. लोकरंगभूम ची संकल्पना स्वरूप वैशिष्ट्ये लोकसाहित्य लोकरंगभूमी यांचा असलेला परस्परसंबंध समजून घेणे
	८. आधुनिक समाज माध्यमांचा परिचय कार्य उपयुक्तता त्यासाठीचे लेखन कौशल्य आणि निवेदन कौशल्य यांचा परिचय करून घेणे
	९. निबंध लेखनाचे स्वरूप घटक प्रकार समजून घेणे व निबंध लेखनाचे कौशल्य आत्मसात करणे
	१०. उत्तम दर्जाची व्यवसायिक वृत्ती निर्माण करून उद्योगाची दिशा दाखविणे
	११. संवादासाठीची विविध भाषिक कौशल्य विकसित करणे
	१२. पौर्वात्य व पाश्चिमात्य साहित्यातील साहित्यशास्त्रातील विविध संकल्पना साहित्याचे स्वरूप साहित्याचे प्रयोजन आणि साहित्याची निर्मिती प्रक्रिया समजून घेणे
	१३. नाटकातील सुखात्मिका शोकात्मिका यांचे स्वरूप व वैशिष्ट्ये तपासणे
टी. वाय. बी. ए. मराठी जनरल (विशिष्ट वांग्मय प्रकाराचा अभ्यास – एकांकिका व ललित गद्य)	<p>१) मराठी वाङ्मयातील एकांकिका व ललित गद्य या मूलभूत वांग्मय प्रकाराची ओळख होण्यास मदत होते.</p> <p>२) एकांकिका व ललित गद्य तिचे स्वरूप संकल्पना वैशिष्ट्ये वाटचाल आणि प्रमुख प्रकार यांचा परिचय विद्यार्थ्यांना होतो ३) मराठी वाङ्मयातील एकांकिका व ललित गद्य यांच्या अभ्यासाची दृष्टी विद्यार्थ्यांमध्ये रुजविण्यात सदर अभ्यासक्रमाची मदत होते.</p>
टी. वाय. बी. ए. मराठी एस-३ मध्ययुगीन मराठी वांग्मयाचा इतिहास	<p>१) मध्ययुगीन मराठी वांग्मयाचा इतिहासाचा परिचय विद्यार्थ्यांना होतो</p> <p>२) विद्यार्थ्यांना मध्ययुगीन मराठी वांग्मयाचा निर्मितीमागील प्रेरणा स्वरूप व वैशिष्ट्ये यांचा परिचय करून घेता येतो ३) शाहीरी काव्य आस्वादक क्षमता विद्यार्थ्यांमध्ये निर्माण करण्यास मदत होते.</p> <p>४) मध्ययुगीन काळातील वारकरी संप्रदायाच्या प्रमुख संतकवींच्या काव्य निर्मितीचा परिचय करून घेता येतो</p> <p>५) बखर वांग्मय निर्मितीची ओळख करून देता येते तसेच विद्यार्थ्यांना तत्कालीन समाजव्यवस्था व राजकीय स्थितीचे वास्तव स्वरूप समजून घेता येते.</p>
टी. वाय. बी. ए. मराठी एस-४ मराठीचा भाषिक अभ्यास	<p>१) भाषेचे स्वरूप भाषेचे कार्य भाषा उत्पत्तीचे सिद्धांत व भाषा कुळ संकल्पना या अंगाने जाणवणारी भाषेची वैशिष्ट्ये विद्यार्थ्यांना समजण्यास मदत होते.</p> <p>२) मराठीच्या कालिकभेदांचे स्वरूप, प्रांतिक भेद व त्यांची वैशिष्ट्ये विद्यार्थी समजून घेतात.</p> <p>३) मराठीच्या निवडक बोलींचा परिचय विद्यार्थ्यांना होतो</p> <p>४) मराठी वरील अन्य भाषांचा प्रभाव जाणून घेण्यास विद्यार्थी उत्सुक असतात.</p>
टी. वाय. बी. ए. मराठी जेनेरिक –	१) विद्यार्थ्यांना किर्तन भारुड तमाशा दशावतार खानदेशी वही गायन जसे पथनाट्य व रिगण नाट्य या वांग्मय प्रकाराची ओळख करून घेता आली.

मराठी लोकरंगभूमी	<p>२) विद्यार्थ्यांना कीर्तन भारूड तमाशा दशावतार खानदेशी वही जलसे पथनाट्य व रिंगण नाट्य प्रेरणा संकल्पना व स्वरूप समजावून घेता आली</p> <p>३) लोकरंगभूमी चे स्वरूप तसेच लोकसाहित्य व लोकरंगभूमी या पारंपारिक रूपांची वैशिष्ट्ये अध्ययन करण्यास मदत होते ४) लोकनाट्य व लोकरंगभूमीच्या आधुनिक रूपाची माहिती विद्यार्थ्यांना समजून घेता येते.</p>
टी. वाय. बी. ए. मराठी MIL दृक्श्र्याव्य माध्यमांसाठी लेखन व संवाद	<p>१) दृक्श्र्याव्य माध्यमांचा परिचय विद्यार्थ्यांना होतो.</p> <p>२) दूरचित्रवाणी या माध्यमांचे कार्य व उपयुक्तता विद्यार्थ्यांना समजण्यास मदत होते.</p>
एस. वाय. बी. ए. मराठी विशेष स्तर -२ (साहित्य विचार-भारतीय व पश्चिमात्य)	<p>१) पौर्वात्य व पाश्चिमात्य साहित्य शास्त्रातील विविध संकल्पना यांचा स्तूल परिचय विद्यार्थ्यांना करून घेता येतो २) साहित्याचे स्वरूप साहित्याचे प्रयोजन आणि साहित्याची निर्मिती प्रक्रिया याचा विद्यार्थ्यांना परिचय होतो</p> <p>३) साहित्याचे विविध उपप्रकार यांचे स्वरूप व वैशिष्ट्यांचा स्तूल परिचय विद्यार्थ्यांना करून घेण्यास मदत होते ४) साहित्यनिर्मितीच्या प्रधान व गौण कारणांची ओळख विद्यार्थ्यांना करून घेता येते</p> <p>५) साहित्याच्या भाषेचे स्वरूप व शब्दशक्ती चे प्रकार समजून घेता येते</p> <p>६) साहित्यातील रस प्रक्रिया संस्कृत साहित्यिकांनी मांडलेल्या रस्ता विचारांच्या आधारे विद्यार्थ्यांना समजून घेता येतात ७) साहित्यातून प्राप्त होणाऱ्या आनंदाचे स्वरूप जाणून घेता येते</p> <p>८) साहित्याची आस्वाद प्रक्रिया विद्यार्थ्यांना समजून घेण्यास मदत होते.</p>
एस. वाय. बी. ए. मराठी SEC लेखन कौशल्ये	<p>१) मुद्रितशोधन याचे स्वरूप व आवश्यकता जाणून घेता येते तसेच विद्यार्थ्यांना मुद्रित शोधनाची कौशल्ये आत्मसात करता येते</p> <p>२) मुद्रितशोधन याच्या खुणा अर्थ आणि त्यांचे उपयोजन करण्यास विद्यार्थ्यांना मदत होते</p> <p>३) विरामचिन्हे व लेखन विषयक नियमांचे स्वरूप विद्यार्थ्यांना जाणून घेता येतात</p> <p>४) मुद्रितशोधनाचा सराव करण्यास मदत होते</p> <p>५) सर्जनशील लेखनाचे स्वरूप व वैशिष्ट्ये जाणून घेता येतात</p> <p>६) कथा लेखन व नाट्य लेखन प्रक्रिया विद्यार्थ्यांना समजून घेतात</p> <p>७) विद्यार्थ्यांनी कथालेखन व नाट्यलेखन यांचा सराव करतात</p> <p>८) विद्यार्थ्यांमध्ये सर्जनशीलता रुजविता येते.</p>
एस. व्य. बी. ए. मराठी MIL मुद्रित माध्यमांसाठी लेखन	<p>१) वृत्तपत्र या मुद्रित माध्यमांचा विशेष परिचय करून घेता येतो तसेच वृत्तपत्र माध्यमांचे कार्य उपयुक्तता जाणून घेता येते २) वृत्तपत्र माध्यमांसाठी बातमी लेखन व जाहिरात लेखन तंत्र विद्यार्थ्यांनी अवगत करतात ३) वृत्तपत्र माध्यमांसाठी वृत्तलेख स्तंभलेख व सदर लेखन व त्यांचे स्वरूप व तंत्र विद्यार्थ्यांनी जाणून घेतात</p> <p>४) नभोवाणी या श्राव्य माध्यमांचा विशेष परिचय करून घेता येतो तसेच</p> <p>५) नभोवाणी माध्यमांचे कार्य उपयुक्तता जाणून घेता येते नभोवाणी माध्यमासाठी भाषण लेखन व श्रुतिका लेखन तंत्र विद्यार्थ्यांनी अवगत करतात</p> <p>६) नभोवाणी माध्यमांसाठी करावयाच्या युवकांसाठी च्या कार्यक्रमाच्या लेखनाचे स्वरूप व तंत्र विद्यार्थ्यांनी जाणून घेतात ८) सरकारी व खाजगी नभोवाणी माध्यमांसाठी करावयाच्या निवेदनाचे स्वरूप व तंत्र विद्यार्थ्यांनी आत्मसात करतात</p>
एस. वाय. बी. ए. मराठी जनरल – विज्ञान कथा- विनोदी कथा आणि नोंद लेखन	<p>१) विज्ञान कथा व विनोदी कथा वांग्मय याची वाटचाल विद्यार्थ्यांना समजण्यास मदत होते</p> <p>२) विज्ञान व विनोदी कथेच्या विविध घटकांची ओळख विद्यार्थ्यांना होते</p> <p>३) विज्ञान व विनोदी कथेचे वेगळेपण कोणते ते विद्यार्थ्यांना समजण्यास मदत होते</p> <p>४) मराठी विज्ञान व विनोदी कथेच्या योगदानाची ओळख विद्यार्थ्यांना होते</p> <p>५) विज्ञान क्षेत्रातील विविध विषयांवर मराठीतून लेखन करण्यास विद्यार्थ्यांनी प्रोत्साहित होतात</p> <p>६) विज्ञान कोशातील नोंद लेखन करण्याचे तंत्र विद्यार्थ्यांनी आत्मसात करतात विज्ञान</p>

	<p>क्षेत्रातील</p> <p>७) विविध विषयावरील लोकोपयोगी लेखन करण्याचे कौशल्य विद्यार्थी आत्मसात करतात</p> <p>८) विद्यार्थ्यांचा वैज्ञानिक दृष्टिकोन विकसित करण्यास मदत होते.</p>
<p>एफ. वाय. बी. कॉम मराठी जनरल एच्छिक मराठी</p>	<p>१) प्रसिद्ध उद्योजकांचा परिचय वाणिज्य विभागातील विद्यार्थ्यांना होतो</p> <p>२) विद्यार्थ्यांमध्ये वाचन संस्कृती व भाषेविषयी आवड निर्माण करता येते</p> <p>३) यशस्वी उद्योजकांच्या चरित्र आधारे विद्यार्थ्यांमध्ये व्यावसायिक दृष्टिकोन निर्माण करण्यास मदत होते</p> <p>४) व्यवसायातील आव्हानांचा परिचय करून देता आला तसेच या क्षेत्रातील संधी आणि आव्हाने हे समजून घेता आले ५) विद्यार्थ्यांमध्ये उत्तम दर्जाची व्यावसायिक वृत्ती निर्माण करून यशस्वी उद्योगाची दिशा दाखविण्यात मदत होते.</p>
<p>टी. वाय. बी. ए. मराठी SEC लेखन कौशल्य निबंध लेखन</p>	<p>१) निबंध लेखनाचे स्वरूप संकल्पना घटक व प्रकार यांचा स्तूल परिचय विद्यार्थ्यांना करून घेता येतो</p> <p>२) निबंध लेखनाचे कौशल्य विद्यार्थी आत्मसात करतात विद्यार्थी</p> <p>३) निबंध लेखनाचे प्रकार लक्षात घेऊन ते लेखनाचा सराव करतात</p> <p>४) ग्रंथ परीक्षण लेखनाचे स्वरूप व लेखन प्रक्रिया विद्यार्थी समजून घेतात</p> <p>५) ग्रंथ परीक्षण लेखकाचे कौशल्य विद्यार्थी आत्मसात करतात</p> <p>६) विद्यार्थी विविध प्रकारातील ग्रंथांचे परीक्षण करून लेखनाचा सराव करतात</p>
<p>एफ. वाय. बी. एस्सी. जनरल कथा आणि संवाद कौशल्ये यांचा अभ्यास</p>	<p>१) माणदेशी माणसं कथासंग्रहातील कथांची कथानके व्यक्तीचित्रण व प्रसंग वर्णन या अंगाने जाणवणारी वैशिष्ट्ये विद्यार्थ्यांना समजण्यास मदत होते</p> <p>२) माणदेशी माणसं कथासंग्रहातील संघर्ष निवेदन व भाषा या अंगाने जाणवणारी वैशिष्ट्ये लक्षात येतात</p> <p>३) संवादाच्या औपचारिक व अनौपचारिक प्रकारांचा परिचय विद्यार्थ्यांना होतो</p> <p>४) भाषण सादरीकरण वाद-विवाद सूत्रसंचालन गटचर्चा या संवाद कौशल्येचे स्वरूप विद्यार्थ्यांच्या लक्षात येण्यास मदत होते तसेच त्यांचे उपयोजन करण्यास विद्यार्थी शिकतात</p>

Department of English

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

Course Outcomes

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

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

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

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

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

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

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

After completion of these courses students should be able to;	
Course	Outcomes
AEC – A English Communication	<ol style="list-style-type: none">1. To introduce the students with writing and reading skill.2. To acquaint the students with the use of English language through different means.3. To acquaint the students with the creative use of English language

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

After completion of these courses students should be able to;	
Course	Outcomes
Compulsory English	<ol style="list-style-type: none">1) The Paper of Compulsory English is specifically framed from the viewpoint of value education which is the basis of quality life.2) Selection of contents in all the courses will help the students to comprehend the worldly wisdom and commercial perception which will ultimately lead them to be successful and enjoy quality life.
DSE-1-A (16 th Century English Literature)	<ol style="list-style-type: none">1) To acquaint the students with the major literary trends and tendencies and prominent writers of the 16th and 17th Century English Literature.2) To make the students aware about the literary history, salient features and sociocultural background of the period.3) To help the students to grasp the content and critically appreciate the prescribed texts.4) To inculcate amongst students a liking for the Elizabethan and Post Shakespearean literature.

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

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

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

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

Semester-III & IV (S.Y.B.Sc. ENGLISH)

After completion of these courses students should be able to;	
Course	Outcomes
AEC – A Communicative English	<ol style="list-style-type: none"> 1. To train the students to use English language for career purposes. 2. To motivate students to write persuasively in English.

3. To help students to use English Language for academic and vocational purpose.

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

After completion of these courses students should be able to;

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

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

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

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

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

Department of Economics

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

F.Y.B.A (Economics)

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

S.Y.B.A (Economics)

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

T.Y.B.A (Economics)

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

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

F.Y.B.COM

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

S.Y.B.COM

		<ul style="list-style-type: none"> Learn how to employ soft skills to enhance employability and ensure workplace and career success.
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MACRO ECONOMICS	<ul style="list-style-type: none"> • The objective of macroeconomic policies is to maximize the level of national income, providing economic growth to raise the utility and standard of living of participants in the economy. 	<ul style="list-style-type: none"> • The outcome of macroeconomic policies is to maximize the level of national income, providing economic growth to raise the utility and standard of living of participants in the economy.
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T.Y.B.COM

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

Department of Geography

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

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

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

Semester-II

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

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

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

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

Semester-V

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

Semester-VI

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

Department of History

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

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

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

Semester-III & IV (SY BA. HISTORY)

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

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

After completion of these courses students should be able to;	
Course	Outcomes
DSC 1 E 351 HIS- History of Modern Europe (AD 1781 – AD 1913) & DSC 1 F 361 HIS- History of Modern Europe (AD 1914 – AD 1945)	<ol style="list-style-type: none"> 1) Understand the concept and meaning of the `History of Modern Europe`. 2) Explain important information of the `History of modern Europe`. 3) To introduce various perspectives of the History of modern Europe. iv. Cover an Important topic of the `History of Modern Europe` 1781 to 1945. 4) To inculcate Liberty, Equality and fraternity among the students.
DSE 1 C HIS 352 History of India (AD 1750 – AD 1857) & DSE 1 D HIS 362 History of India (AD 1750 – AD 1857)	<ol style="list-style-type: none"> 1) To introduce various perspectives of the Modern India 2) To develop the spirit of nationalism among students. 3) To bring an awareness among the students as responsible citizen of the country. 4) To inculcate Liberty, Equality, and Fraternity among the students. 5) To inculcate the rational thinking among the students.
DSE 2 C HIS 353 History of India (AD 1206 – AD 1526) & DSE 2 D HIS 363 History of India (AD 1526 – AD 1707)	<ol style="list-style-type: none"> 1) Students learn about the various polity and sultanate period's (1206-1526) in India. 2) Students understand and review about the social, Economic and cultural information during the Sultanate period in Medieval India. 3) Students understand and review detail about the agricultural, trade and commerce position of women and religious condition in sultanate period.

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

Department of Political Science

Program Outcomes: B.A. Political Science

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

Course Outcomes

F.Y.B.A. Political Science

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

Semester–III

After completion of these courses students should be able to;	
Course	Outcomes
DSE – 1A Reading Mahatma Gandhi	<ol style="list-style-type: none"> 1) Students enable to understanding the Mahatma Gandhi’s Truth, Non Violence, Satyagrah, Trusteeship and Hind Swaraj and Nationalism. 2) Students enable to understand the Theory of State and Religion. 3) Students enable to understand the Thought of Gandhiji Regarding Social Welfare. 4) Students enable to understand the Gandhiji’s View on Health Cleanliness. 5) Students enable to understand the Gandhi’s View on Farmer, Worker, Tribal Community and Minorities.
DSE–2A Government and Politics of America	<ol style="list-style-type: none"> 1) Students enable to understand the Historical Background of America. 2) Students enable to understand the Silent features of American Constitution and Amendment. 3) Students enable to understand the Government and Administration of America 4) Students enable to understand the Political Parties and Party system of America.
DSC – 1C Introduction to Administration of Maharashtra	<ol style="list-style-type: none"> 1) Students enable to understand the Historical, Geographical, Socio-Economical and Political Background of Maharashtra. 2) Students enable to understand the Role of State Secretariat (Mantralaya). 3) Students enable to understand the District Administration. 4) Students enable to understand the Administration of Maharashtra- SilentFeatures.
SEC- 1 Introduction of Research Methodology in Political Science	<ol style="list-style-type: none"> 1) Students enable to understand the Meaning, Definition, Objectives & Significance of Research Methodology. 2) Students enable to understand Steps in Research Methodology. 3) Students enable to understand the Report writing in Research Methodology. 4) Students enable to understand Data Collection, Sampling Method.

Semester–IV

After completion of these courses' students should be able to;	
Course	Outcomes
DSE–1B Reading Dr. Ambedkar	<ol style="list-style-type: none"> 1) Students enable to understand the Social Thoughts on Equality, Fundamental Rights, Social Justice and Reservation. 2) Students enable to understand the Political & Religion Thought. 3) Students enable to understand the Thought on Education. 4) Students enable to understand the Dr.Ambedkar's Views on Political Parties, Freedom of Press. 5) Students enable to understand the Dr.Ambedkar's Views on Labor Organization.
DSE–2B Government and Politics of China	<ol style="list-style-type: none"> 1) Students enable to understand the Historical Background of China. 2) Students enable to understand the Silent features of Chinas Constitution and Amendment Process. 3) Students enable to understand the Government and Administration of China. 4) Students enable to understand the Political Parties and Party System of China.
DSC – 1D Introduction to Local and District Administration of Maharashtra	<ol style="list-style-type: none"> 1) Students enable to understand the Rural and Urban Administration in Maharashtra. 2) Students enable to understand the Position, Role and Function of District Police Superintendent (SP). 3) Students enable to understand the Constitutional and Legal Board of Maharashtra (Structure and Functions). 4) Students enable to understand the Minorities Development Board of Maharashtra.
SEC- 2 Election Management	<ol style="list-style-type: none"> 1) Students enable to understand the Meaning and Definition of Election Management. 2) Students enable to understand Election Process and Campaign. 3) Students enable to understand the Election Methods and Political Participation. 4) Students enable to understand Voter Registration System.

Semester–V

After completion of these courses' students should be able to;	
Course	Outcomes
TYBA (DSC-1E) Indian Political Thinker Part-I	<ol style="list-style-type: none"> 1) Students enable to explain the Dadabhai Naoroji's Thought of Economic, Eco-drain and Moral Exploitation Theory. 2) Students enable to understand the Lokmanya Tilak's Political Thought, Chatusutri and Views on Social Reform. 3) Students enable to describe the Role of Indian Freedom Movement. 4) Students enable to understand the Mahatma Gandhi's Thoghts on Truth, NonViolence, Satyagrah and Trust ship concept etc.
TYBA (DSE-3A) Western Political Thinker Part–I	<ol style="list-style-type: none"> 1) Students enable to explain the Aristotle's Theory of State. 2) Students enable to understand the Aristotle's Concept of Citizenship. 3) Students enable to understand the Machiavelli's Thought of Human Nature and Advice to King and views on Means and End. 4) Students enable to understand the Rousseau's Social Contract theory and it's Importance. 5) Students enable to understand the Views on Responsible Government, People's Sovereignty.
TYBA (DSE-4 A) Political Sociology Part– I	<ol style="list-style-type: none"> 1) Students enable to explain the Political Sociology& Political System. 2) Students enable to understand the Political Culture & Political Socialization. 3) Students enable to describe the features and Role of Political Participation and Political Leadership.
TYBA SEC-3 Journalism and Mass Communication	<ol style="list-style-type: none"> 1) Students enable to understand the Freedom of Press and Constitutions and Awareness and Socialization of Press. 2) Students enable to understand the Introduction to Mass Communication. 3) Students enable to describe the Nature and Process of Mass Communication. 4) Students enable to understand Criticism of Journalism and Mass Communication. 5) Students enable to describe the Roles and Responsibilities of Journalism and Mass Communication.
TYBA (GE 1A) : Indian Civil Services	<ol style="list-style-type: none"> 1) Students enable to understand the Historical Background and Development of Civil services Characteristics of Civil Services and Function and Role of civil Services. 2) Students enable to understand the Recruitment, Training and Promotion. 3) Students enable to describe the features of Union and State Public Services. 4) Students enable to understand Role and Importance of System of Recruitment in India. 5) Students enable to understand the Retirement, Purpose, Kinds and Benefits.

Semester–VI

After completion of these courses students should be able to;	
Course	Outcomes
TYBA(DSC-1E) Indian Political Thinker Part-II	<ol style="list-style-type: none"> 1) Students enable to understanding the core of administration and enhance ability to get proper knowledge of rural–Urban administration. 2) Students enable to understand the Gram Panchayat, Panchayat Samiti and Zilla Parishad in Maharashtra. 3) Students enable to understand the features of Municipality, Muncipal Corporation and Other Urban Local Administration. 4) Students enable to understand Role of Law and Order. 5) Students enable to describe the Constitutional and Legal Board of Maharashtra (Structure and Functions).
TYBA (DSE-3A) Western Political Thinker Part– II	<ol style="list-style-type: none"> 1) Students enable to understand the John Stuart Mill’s Views on Liberty and Views on Women Liberty. 2) Students enable to understand the Karl Marks’s Theory of Class Conflict and Surplus value and Views on state or Classless and Stateless Society. 3) Students enable to describe the features of Karl Marks’s Revolution Theory. 4) Students enable to understand the Thought on Harold Laski’s Pluralistic Theory of Sovereignty, Theory of Rights, Views on Liberty and Views on Equality and Law.
TYBA(DSE-4A) Political Sociology Part– II	<ol style="list-style-type: none"> 1) Students enable to explain the Silent features 0 of Political Development and Modernization. 2) Students enable to understand the Political Communication and Public Opinion. 3) Students enable to describe the features and Role of Political Influence and Political Legitimacy. 4) Students enable to understand the Meaning, Definition and Importance of Political Influence, Political Legitimacy.
TYBA (SEC- 4) Political Journalim	<ol style="list-style-type: none"> 1) Students enable to understand the Meaning, Definition, Nature, Scope & Significance of Political Journalism. 2) Students enable to understand Methods of Political Journalism. 3) Students enable to describe the features of Influence of Media on Decision Making Process. 4) Students enable to understand Role of Media in Leadership Development. 5) Students enable to understand Challenges before Political Journalism and Media.
TYBA(GE 1B): Management and Good Governance	<ol style="list-style-type: none"> 1) Students enable to understand the Meaning and Definition, Silent Features of Good Governance. 2) Students enable to understand Meaning, Definition and Types of Management and Characteristic of Management 3) Students enable to describe the features of Functions of Management, POSDCORB and Test of Good Management and Importance 4) Students enable to understand Administrative Leadership. 5) Students enable understand Functions of Administrative Leadership.

Department of Physics

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

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

Course Outcomes

Semester-I (FY BSc. PHYSICS)

After completion of these courses students should be able to;

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

Semester-II (FY BSc. PHYSICS)

After completion of these courses students should be able to;	
Course	Outcomes
PHY-201: Electricity and Electrostatics	<ol style="list-style-type: none">1) Gain knowledge of Gauss laws and solve the electric field for various geometric objects2) To understand the basic concepts of Electric field and Electric Potential.
PHY-202: Dielectrics, Magnetism And Electromagnetism	<ol style="list-style-type: none">1) Enable to understand the concept of magnetic field.2) Understand the faradays laws of electromagnetic induction3) Enable to familiarize with the laws of electromagnetic induction4) Thorough knowledge in the basic concept of electromagnetic induction5) Able to derive the Maxwell's equation in free space and material media

Semester-III (SY BSc. PHYSICS)

After completion of these courses students should be able to;	
Course	Outcomes
PHY-301: Thermodynamics and Kinetic theory of gases	<ol style="list-style-type: none">1) Understand the concept of thermodynamics and there laws.2) Understand the Heat Engine and there uses3) Describe the thermodynamic function and there relations4) To study Maxwell Relations and Application.
PHY-302 (A): Electronics –I	<ol style="list-style-type: none">1) Understand he basics of diode and working of rectifier circuits and characteristics2) Analyse the characteristics of transistor and transistor biasing circuits3) Understand the basic knowledge of semiconductor physics4) Learn how to construct a transistor amplifier and how its gain varies with frequency5) Understand the fundamentals of codes and number system6) Understand the binary arithmetic , logics and boolean functions
PHY 304: Skill Enhancement Course	<ol style="list-style-type: none">1) Know the need of renewable energy resources, historical and latest developments2) Describe the use of solar energy and the various components used in the energy production with respect to applications like - heating, cooling, desalination, power generation, drying, cooking etc.3) Appreciate the need of Wind Energy and the various components used in energy generation and know the classifications.4) Understand the concept of Biomass energy resources

Semester-IV (SY BSc. PHYSICS)

After completion of these courses students should be able to;

Course	Outcomes
PHY 401: Waves, Oscillations and Acoustics	<ol style="list-style-type: none">1) Apply the concept of use of knowledge of Waves and Sound to real life problems2) Familiarise with general terms in acoustics like intensity, loudness, reverberation etc, and study in detail about production, detection, properties and uses of ultrasonic waves3) Analyse waves and oscillations
PHY 402: Optics and LASERS	<ol style="list-style-type: none">1) Understand the natural behaviour of aberration in lens2) Study the theory and experiment of interference using air wedge, newtons rings etc.3) Study the theory of diffraction by fresnels and fraunhoffer methods4) Study the theories for production of polarization of light5) Explain different Laser used and make a comparison between them.6) Apply the gained basic knowledge of laser and working of different type of lasers
PHY 404: Electrical Circuits and Network Skills	<ol style="list-style-type: none">1) After the completion of the course the student will acquire necessary skills/ hands on experience /working knowledge on multimeters, voltmeters, ammeters, electric circuit elements, dc power sources, ac/dc generators, inductors, capacitors, transformers, single phase and three phase motors, interfacing dc/ac motors to control and measure, relays and basics of electrical wiring.2) Study circuits in a systematic manner suitable for analysis and design.3) Analyze the electric circuit using network theorems.

Department of Chemistry

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

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

Course Outcomes

Semester-I (FY BSc. CHEMISTRY)

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

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

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

Semester-III (SY BSc. CHEMISTRY)

After completion of these courses students should be able to;	
Course	Outcomes
CH-301: Physical and Inorganic Chemistry	<ol style="list-style-type: none"> 1) Know the qualitative properties of solution, the depression in freezing point, elevation in boiling point and osmotic pressure. Calculate molar and normal solution of various concentrations. 2) Explains the application of colligative properties in determining molecular mass. 3) Know the qualitative properties of solution, the depression in freezing point, elevation in boiling point and osmotic pressure. 4) Compares the general characteristics electronic configuration of lanthanides and actinides, uses of lanthanides and actinides.
CH-302: Organic and Inorganic Chemistry	<ol style="list-style-type: none"> 1) This course gives the quantitative ideas about the synthesis, properties and uses of such heterocyclic compounds like pyrole, pyridine quonolene, thiophene, furan etc.. Different methods for the preparation of important Hetero cycles and their important reactions. Aromaticity, Huckel's rule and its applications 2) Explains the different types of structural and stereo isomers CO₂ Represent organic molecules by Fischer, Flying wedge, Sawhorse and Newman projection formulas , Conformational isomerism of

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

Semester-IV(SY BSc. CHEMISTRY)

After completion of these courses students should be able to;

Course	Outcomes
CH-401: Physical and Inorganic Chemistry	<ol style="list-style-type: none">1) Free energy and equilibrium, Gibbs and Helmholtz energies, spontaneous and non spontaneous reactions, changes in enthalpy, Entropy and free energy of reactions, Derivations of Clausius and Celsius chaperon equations.2) Electrochemistry discussed electrical properties of ionic solutions. Different types of cells and their formulations, applications. Solve the cell reactions and calculate cell EMF.3) Double salts and coordination compounds, coordination complexes and complex ions, coordination number, Unidentate, bidentate and polydentate ligands, chelating ligand and chelates, physical methods used in study of complex, Nomenclature of coordination compounds.4) Therotical knowledge about metals, non-metals and semiconductors. Understand the p-type semiconductor and n-type semiconductor. Their preparations and uses.
CH-402: Organic and Inorganic Chemistry	<ol style="list-style-type: none">1) Synthesis of organic reaction is itself involves a large part of organic chemistry. This is called synthetic organic chemistry. This chapter involves different synthetic reagents for synthesis of malonic ester and Acetoacetic ester.2) Organometallic compounds are very important in biological bodies like hemoglobin,3) chlorophylls, Vitamin B₁₂ and also they can be used as chemical reagent. This course discussed about the synthesis and properties of these organometallics of Zinc, Magnesium, Lithium and Copper.4) to understand deferent theories like MOT, VBT, CFT, LCAO, Compare MO and VB theory, Know the meaning of various terms involved in coordination Chemistry ,To understand Werner's formulation of complexes and identify the types of

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

Semester-V (TY BSc. CHEMISTRY)

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

CH-503 - Organic Reaction Mechanism	<ol style="list-style-type: none"> 1) To study different types of organic reactions. To understand the mechanisms of different types of reactions. 2) To distinguish between types of substrates and types of reagents. 3) To understand ways of attack of reagent, breaking and formation of bonds in different reaction mechanisms. 4) To study kinetics, evidences and factors affecting different types of reactions. 5) To study stereochemistry of different reactions. 6) To understand role of different reagents in different reactions
CH-504 Industrial Chemistry	<p style="text-align: center;">a. Student will understand</p> <ol style="list-style-type: none"> 1) basic requirements of Chemical Industry, different terms, operations and processes involved in chemical Industry. 2) Describe Copy Right Act, Patent Act and Trade Marks, Bureau of Indian Standards (BIS) and International Organization for Standardization (ISO). 3) Basic requirements, raw materials, different processes and operations involved in Sugar Industry and also different grades of sugar and uses of by-products of sugar industry. 4) Importance of fermented products, basic requirements, theory and process of alcohol making, fractional distillation and various terms involved in Fermentation Industry. 5) Understand Occurrence of Petroleum, theories of formation of Petroleum and different terms Viz. Knocking, Anti-Knock Compounds, Octane number, Cetane number, Gasohol and Power alcohol etc. 6) Manufacturing processes involved in Industrial Organic Synthesis such as Methanol, Isopropanol, Glycerol, Acetylene and Aromatic hydrocarboni.e. Toluene from petroleum with their uses
CH-505 - Analytical Instrumentation	<ol style="list-style-type: none"> 1) To develop an understanding of the range and uses of analytical methods in chemistry. 2) To understand and establish the role of chemistry in quantitative analysis. 3) To enhance the Analytical instrumental skill of the students.
CH-506(A):Bio-Chemistry	<ol style="list-style-type: none"> 1) Students will study biomolecule like carbohydrates, amino acids, proteins, enzymes, lipids and nucleic acids. 2) Students will understand definitions, classifications and examples of these biomolecule. 3) Students will learn the detailed structure of these biomolecule along with types of bonds or linkages present in their molecules.

	<ol style="list-style-type: none"> 4) Students will learn the chemical properties of these biomolecule and the action of some reagents on them in the form of reactions or graphical presentation. 5) Students will understand biochemical energetic of common energy rich compounds along with hydrolytic reactions. 6) Students will learn metabolisms like Glycolysis, TCA cycle, 7) Transamination, deamination and β- oxidation through reactions, enzymes involved, outlines and energetic.
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Semester-VI(TY BSc. CHEMISTRY)

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

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

Ph.D. CHEMISTRY

Sr. No.	Programme Outcomes (POs)	Program Specific Outcomes (PSOs)
1	To provide the best education and career opportunity for all students including those from the underrepresented minority groups with the best cultural and nurturing environment conducive to learning and scholarly activities.	In-depth knowledge in one main chemistry field with sufficient background in two related fields through advanced course work and laboratory research.
2	To prepare students for development of methods of independent and systematic investigations leading to scientific discoveries.	Carry out independent chemistry research with competency in research design, data gathering and interpretation, and communication of research results through scientific publications and presentations
3	To prepare students for a successful career at academic institutions, industrial and business entities, and governmental agencies.	Competitive professional employment in academia, industry, consulting, government, and teaching at the college level
4	To promote professional development and growth of the faculty.	Understanding and awareness of professional, ethical and safety applications of their knowledge.

Department of Botany

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

Programme Outcomes	<ul style="list-style-type: none"> • To study the Lower and higher cryptogamic plants. • To study the diversity and economical importance of Angiosperms and Gymnosperms plant groups. • To study Plant Physiology, Metabolism, Anatomy, Embryology and Ecology. • To study techniques of Horticulture, Floriculture, Plant Breeding etc.
Programs Specific Outcome	<ul style="list-style-type: none"> • To study diversity, habit, habitat and life cycle patterns of Virus, Bacteria, Fungi, Algae, Bryophytes and Pteridophytes plant groups. • To study the Angiosperms and Gymnosperms plant upto Class, Order, Family, Genus and Species and economical importance each family. • To study the Physiological processes, internal structure, embryo and endosperm and ecological factors of plants. • To understand Horticulture practices, techniques commercial Floriculture and Plant breeding.

Course Outcomes

Semester-I (FY BSc. BOTANY)

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

Semester-II (FY BSc. BOTANY)

After completion of these courses students should be able to;	
Course	Outcomes
BOT-201: Diversity of Archegoniates	<ol style="list-style-type: none">1) To studied the Silent features of Archegoniates2) Student makes aware about higher cryptogams and Gymnosperms.
BOT-202: Plant Ecology	<ol style="list-style-type: none">1) Students aware about the conservation about biodiversity.2) To study the botanical regions of India and types of vegetation in Maharashtra.

Semester-III(SY BSc. BOTANY)

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

Semester-IV(SY BSc. BOTANY)

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

Department of Zoology

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

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

Course Outcomes

Semester-I (FY BSc. ZOOLOGY)

After completion of these courses students should be able to:

Course	Outcomes
ZOO 101 Animal Diversity I	<ol style="list-style-type: none">1) Understand classification of protista.2) Study General characters and classification up to classes.3) Describe and classify phylum Platyhelminthes and identify the problems caused by parasitic forms4) Understand the anatomical features of non- chordates through type study of Phylum Arthropoda
ZOO 102 Animal Diversity II	<ol style="list-style-type: none">1) Describe and classify branch Pisces, with examples and salient features2) Study the Generate an understanding about phyla.3) Classify mammals and interpret general evolutionary relationships among and between these animal groups
ZOO 103 Practical Animal Diversity I & II	<ol style="list-style-type: none">1) Observe morphological structure of animal.2) Identify differentiae animal in animal diversity.

Semester-II (FY BSc. ZOOLOGY)

After completion of these courses students should be able to:

Course	Outcomes
ZOO 201 Comparative Anatomy of Vertebrates	<ol style="list-style-type: none">1) Understand Derivatives of integument w.r.t. glands and digital tips.2) Describe comparative anatomy of Vertebrates.3) Discuss Brief account of alimentary canal and digestive glands.4) Identify Types of receptors.
ZOO 202 Developmental Biology of Vertebrates	<ol style="list-style-type: none">1) Describe Early Embryonic Development.2) Differ Fundamental processes in development3) Explain in brief Types of placenta on the basis of histology4) Understand Developmental biology of Vertebrates.
ZOO 203 Practical Comparative Anatomy & Developmental Biology of Vertebrates	<ol style="list-style-type: none">1) Observe comparative anatomy of animal.2) Identify differentiae animal in vertebrates.3) Describe Developmental Biology of Vertebrates

Semester-III (SY BSc. ZOOLOGY)

After completion of these courses students should be able to;	
Course	Outcomes
ZOO 301 Physiology	<ol style="list-style-type: none">1) Understand Structure of a neuron.2) Understand about Absorption of carbohydrates, proteins, lipids.3) Describe Respiratory volumes and capacities.4) Acquire knowledge regarding Structure of Heart and Endocrine glands
ZOO 302 Biochemistry	<ol style="list-style-type: none">1) Describe Biosynthesis and β oxidation of palmitic acid.2) Understand Classification of Enzymes3) Develop knowledge of Enzyme Kinetics.
ZOO 303 Physiology & Biochemistry	<ol style="list-style-type: none">1) Understand Preparation of hemin and hemochromogens2) Understand about Estimation of total protein in given solutions by Lowry's method3) Describe Study of permanent slides of spinal cord, duodenum, liver, lung, kidney, bone, cartilage
SEC I Apiculture	<ol style="list-style-type: none">1) Understand Classification and Biology of Honey Bees2) Acquire knowledge regarding Describe Artificial Bee rearing3) Develop knowledge about Products of Apiculture Industry and its Uses4) Understand about Modern Methods in employing artificial Beehives for cross pollination in horticultural gardens

Semester-IV (SY BSc. ZOOLOGY)

After completion of these courses students should be able to;	
Course	Outcomes
ZOO 401 Genetics	<ol style="list-style-type: none">1) Understand about Mendel's work on transmission of traits2) Understand Chromosome theory of inheritance3) Describe definition of gene mapping & mutation4) Students become familiar with Chromosomal mechanisms and methods
ZOO 402 Evolutionary Biology	<ol style="list-style-type: none">1) Understand about Major Events in History of Life2) Describe Types of natural selection3) Acquire knowledge regarding Biological species concept
ZOO 403 Genetics & Evolutionary Biology	<ol style="list-style-type: none">1) Describe Study of Linkage, recombination, gene mapping using the data2) Understand about Study of homology and analogy from suitable specimens/ pictures3) Students become familiar with Study of Mendelian Inheritance and gene interactions
SEC II Medical Diagnostics	<ol style="list-style-type: none">1) Describe Preparation of blood smear and Differential Leucocyte Count.2) Develop knowledge about prevention of Diabetes3) Understand about Diagnostic Methods Used for Urine Analysis

Semester-V (TY BSc. ZOOLOGY)

After completion of these courses students should be able to;

Course	Outcomes
ZOO-501:Reproductive Endocrinology	<ol style="list-style-type: none">1) Understand about modern contraceptive devices.2) Describe the diversity in form, structure and habits of invertebrates and vertebrates3) Explain the reproductive patterns in animal world
ZOO-502: Cell and Molecular Biology	<ol style="list-style-type: none">1) Explain the fine structure and functions of cell organelles.2) Understand the tools in molecular biology and its implications in human welfare.
Zoo 503: Mammalian Histology	<ol style="list-style-type: none">1) Distinguish tissues with their structural details with functions.2) Understand tissues and their systems.3) Develop deeper understanding of life is and how it functions at cellular level as well as histological structure of tissues.
Zoo 504: Animal Biotechnology	<ol style="list-style-type: none">1) Students become familiar with genetically engineered products for human animal welfare.2) Understand applications of animal biotechnology.
Zoo 505 : Public health and hygiene (Skill Based)	<ol style="list-style-type: none">1) Understand the need of maintenance of personal and public hygiene.2) Acquire knowledge regarding epidemiology, prevention.
Zoo 506 : (Elective Course – any one) A) Pest management B) Aquarium Fish Keeping	<ol style="list-style-type: none">1) Understand Crop loss due to their dominance.2) Develop personal skills on maintenance of aquarium.3) Aware of Aquarium as commercial, decorative and of scientific studies.

Semester-VI (TY BSc. ZOOLOGY)

After completion of these courses students should be able to;

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

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

Department of Mathematics

Programme Outcomes: B.Sc. Mathematics

After successful completion of three year degree program in Mathematics student should be able to;

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

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

After completion of these courses students should be able to;	
Course	Course Outcomes
MTH 101: Matrix Algebra	<ol style="list-style-type: none"> 1) Understand concepts on matrix operations and rank of the matrix. 2) understand use of matrix for solving the system of linear equations. 3) Understand basic knowledge of the Eigen values and Eigen vectors. 4) Apply Cayley-Hamilton theorem to find the inverse of the matrix. 5) Know the matrix transformation and its applications in rotation, reflection, translation.
MTH 102: Calculus	<ol style="list-style-type: none"> 1) Understand basic concepts on limits and continuity. 2) Understand use of differentiations in various theorems. 3) Know the Mean value theorems and its applications. 4) Make the applications of Taylor's, Maclaurin's theorem. 5) Know the applications of calculus.
MTH 103(B): Graph Theory	<ol style="list-style-type: none"> 1) Make the applications Graph, Simple graph, Multigraph, Hand shaking lemma, Types of Graphs, Operations on graphs, Subgraphs, Isomorphism of graphs, Walk, path, cycles 2) Solving examples of Connected and disconnected Graphs, bridges, Cut vertices, edge connectivity and vertex connectivity, Eulerian graph, Hamiltonian Graph, Planer Graph, Euler's Formula for planer graphs, Kuratowski's two graph, Geometrical dual 3) Solve problems on Definition and some properties of trees, Distance and Centre in a tree, Definitions of Rooted and Binary trees, Spanning trees, Minimal Spanning trees, Directed graphs, some types of digraphs.

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

Course	Course Outcomes
MTH 201: Ordinary Differential Equations	<ol style="list-style-type: none"> 1) Understand basic concepts in differential equations. 2) Understand method of solving differential equation 3) Understand use of differential equations in various fields.
MTH 202: Theory of Equations	<ol style="list-style-type: none"> 1) Students can find out roots of any equation of degree less than or equal to five. Theory of equations is highly useful in various subjects like algebra, linear algebra, calculus, ordinary and partial differential equations etc.
MTH 203(B): Numerical Analysis	<ol style="list-style-type: none"> 1. Understand basic concepts of methods of solutions of equations viz. bisection, iteration, Newton-Raphson methods and method of false position. 2. Understand methods of curve fitting viz. Gauss's forward and backward difference formulae and Lagrange's interpolation formula. 3. Use of curve fitting such as least square, polynomial and exponential fittings for set of given data. 4. Use Taylor's series, Euler's method. Modified Euler's method., Runge Kutta methods for solving ordinary differential equations.

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

After completion of these courses students should be able to;

Course	Course Outcomes
MTH 301: Calculus of Several Variables	<ol style="list-style-type: none">1) limit and continuity of functions of several variables2) Fundamental concepts of multivariable Calculus.3) Series expansion of functions.4) Extreme points of function and their maximum, minimum values at those points.5) Meaning of definite integral as limit as sums.6) how to solve double and triple integration and use them to find area by double integration and volume by triple integration
MTH -302(B): Theory of Groups and Codes	<ol style="list-style-type: none">1) Understand group structures which is useful to understanding ideas of modern mathematics.2) Understand solutions to polynomial equations3) Understand permutation groups4) Understand concepts of homomorphisms and isomorphisms5) Students will understand basic concepts in coding theory.
MTH 304: Set Theory and logic	<ol style="list-style-type: none">1) Uses of the language of set theory, designing issues in different subjects of mathematics2) understand the issues associated with different types of finite and infinite sets via countable uncountable sets3) knowledge of the concepts and methods of mathematical logic, set theory, relation calculus, and concepts concerning functions which are included in the fundamentals of various disciplines of mathematics4) understanding the role of propositional and predicate calculus2) e) able to provide the logical mathematical reasoning, formulate theorems and definitions

Semester-IV (S.Y.B.Sc. Mathematics)

After completion of these courses students should be able to;

Course	Course Outcomes
MTH -401: Complex Variables	<ol style="list-style-type: none">1) The course is aimed to introduce the theory for functions of complex variables2) Students will understand the concept of analytic function3) Students will understand the Cauchy Riemann Equations4) Students will understand harmonic functions5) Students will understand complex integrations6) Students will understand calculus of residues.7) Students will acquire the skill of contour integrations.
MTH-402 (B): Differential Equations and Numerical Methods	<ol style="list-style-type: none">1) Students will aware of formation of differential equations and their solutions2) Students will understand the concept of Lipschitz condition3) Students will understand method of variation of parameters for second order L.D.E.4) Students will understand simultaneous linear differential equations and method of their solutions5) Students will understand Pfaffian differential equations and method of their solutions.
MTH 404: Vector Calculus	<ol style="list-style-type: none">1) understand scalar and vector products2) Understand vector valued functions and their limits and continuity and use them to estimate velocity and acceleration of partials.3) Calculate the curl and divergence of a vector field.4) Set up and evaluate line integrals of functions along curves.

Department of Commerce

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

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

	relating to their business combinations	
COMPUTING SKILLS	<ul style="list-style-type: none"> To familiarize the Students with basics of Internet. To understand the use of Office application.. 	<ul style="list-style-type: none"> To understand the how of accountings of ware works. To know the relevance of Tally accounting package in modern competitive world.
MODERN OFFICEMANAGEMENT	<ul style="list-style-type: none"> To understand the concept of office management. To acquire operational skills of office management. To develop the interest in methods and procedures of office management. To know the secretarial procedure.. 	<ul style="list-style-type: none"> To understand office lay out and environment in modern context. To acquire the basic knowledge of office appliances and machines. To understand office system. To acquire knowledge of office meetings and proceedings.
PRINCIPLES & PRACTICES OF BANKING	<ul style="list-style-type: none"> To impart practical knowledge & applicability of theoretical concepts with routine examples 	<ul style="list-style-type: none"> To impart practical knowledge & applicability of theoretical concepts with routine examples
QUANTITATIVE TECHNIQUES	<ul style="list-style-type: none"> Measurements and the statistical, mathematical, or numerical analysis of data collected through polls, questionnaires, and surveys, or by manipulating pre-existing Statistical data using computational techniques. 	<ul style="list-style-type: none"> Measurementsandthestatistical,mat hematical,ornumericalanalysisofdata collectedthroughpolls,questionnaires, and surveys, or by manipulating pre-existing Statistical data using computational techniques.
CORPORATE LAW	<ul style="list-style-type: none"> To develop an understanding of a Company as a one of the important form of business enterprise. To develop conceptual understanding of Security Market. To introduced functioning of Securities Exchange Board of India. 	<ul style="list-style-type: none"> To develop conceptual understanding of Security Market. To introduced functioning of Securities Exchange Board of India.
MARKETING AND ADVERTISING	<ul style="list-style-type: none"> To create awareness about Marketing To understand basic concepts of Marketing To establish link between Commerce / Business and Marketing 	<ul style="list-style-type: none"> To know the relevance of Marketing in modern competitive world. To develop an analytical ability to Plan for various marketing strategy.

S.Y.B COM. SEM - III & IV

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

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

<p>MODERN BANKING & FINANCIAL SYSTEM</p>	<ul style="list-style-type: none"> • To acquaint students with the new concepts of Banking. • To update the students about new changes in Banking. • To know the relevance Banking practices in modern competitive world. • To make understand able of banking operations. 	<ul style="list-style-type: none"> • Explain the various functions of money, and how money has evolved over time. • Show that modern banking systems include both privately owned commercial banks and government-owned central banks. • Explain how commercial banks create money through the process of taking deposits and making loans. • List what is included in the various measures of the money supply.
<p>COST ACCOUNTING</p>	<ul style="list-style-type: none"> • To acknowledge the students with the cost accounting concepts, Methods and techniques. • To enable the students to apply analytical tools & techniques of cost accounting. • To lay a foundation for understanding the Labour & Overheads accounting procedure. • To develop competence among the students. 	<ul style="list-style-type: none"> • Demonstrate a basic understanding of computer hard ware and software. • Demonstrate problem-solving skills. • Apply logical skills to programming in a variety of languages. • Utilize web technologies. • Present conclusions effectively, orally, and in writing. • Demonstrate basic understanding of network principles. • Working effectively in teams. • Apply the skills that are the focus of this program to business scenarios.
<p>Consumer Protection & Business Ethics</p>	<ul style="list-style-type: none"> • To know the Consumer Movement. • To understand the Role of Voluntary Consumer Organization. • To review the Consumer Protection Act. • To know the Standard of Weight and Measures Act 	<ul style="list-style-type: none"> • Identify causes for complaint • Apply legislation • Present oral or written complaint File and record details • Carry out simple research into consumer products.

Retail Management	<ul style="list-style-type: none"> • To Introduce Basic Retailing Management Concepts. • Empowering Students with the Most Modern Techniques and Practices of Retailing as Seen and Experienced around the Globe. • Imparting Theoretical and Practical Knowledge to Ensure Understanding of the Dynamic of Modern Organized Retail Trade. • To understand analysis of store location, merchandising, products and pricing. • The learner will be able to determine a level of interest in pursuing a career in retail management. 	<ul style="list-style-type: none"> • Explain the central role of retail in industrialized societies, and the impact of key market/retail trends up on this sector in the local and global contexts. • Identify the key stakeholders and the roles/responsibilities of retail towards these stakeholders • Understand and apply appropriate frameworks to develop high level retail marketing strategy, and identify • the role of marketing strategies in the building of brand equity and shareholder value in the retail industry
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T. Y. B. COM. SEM – V & VI

Subjet Name	Objectives	Outcomes
INDIAN ECONOMIC SCENARIO	<ul style="list-style-type: none"> • To acquaint students with new concepts of Economics. • To update the students about new changes brought in Indian Economy. 	<ul style="list-style-type: none"> • To know the relevance Economic practices in modern competitive world. • To make students competent to become success in competitive examination.
PRINCIPLES OF AUDITING	<ul style="list-style-type: none"> • To acquaint students with new concepts of Auditing. • To update the students about new changes brought in practices of Auditing. 	<ul style="list-style-type: none"> • To know the relevance Economic practices in modern competitive world. • To make students competent to become success in competitive examination.
INCOME TAX	<ul style="list-style-type: none"> • To know the various provisions relating to Income and Incomes tax computation. • To get elementary working knowledge with application skill. • understand the basic concepts of the Income Tax Act 1961 and get the elementary knowledge of scheme of taxation in India. 	<ul style="list-style-type: none"> • To compute Income and Tax of an Individual assesses under the Income tax Act.

<p>HUMANRESOURCEMANAGEMENT</p>	<ul style="list-style-type: none"> • To familiarize students with concepts of human resource planning, Job Analysis, Recruitment and selection procedures. 	<ul style="list-style-type: none"> • To introduce the concept, principles and practices of H.R.M.to the students.
<p>BUSINESSMANAGEMENT</p>	<ul style="list-style-type: none"> • To introduce the concept of management to the students. • To acquaint the student with modern management practices. • To develop leadership skills and communication skills. 	<ul style="list-style-type: none"> • To familiarize the students with the nature and scope of management. • To help the students to understand the concept of management. Also expose the students to latest trends in management. • To introduce the concept, modern management techniques.
<p>ADVANCEDACCOUNTING-I</p>	<ul style="list-style-type: none"> • To impart the students, knowledge about accounting treatment of functional aspects of Corporate and Non-corporate undertakings. • To appraise the students about the application of accounting knowledge in preparation of financial Statements of Bank Accounts and Farm Activities. • To develop competence among the students regarding advanced accounting 	<ul style="list-style-type: none"> • Understand the various concepts of Advanced Accounting • Utilize working knowledge with application skill of Advanced Accounting. • Preparing the Bank Companies Statements in accordance with the statutory requirements. • Prepare Statements regarding Royalty Accounts and Insolvency Accounts. • Understanding knowledge of Hire Purchase, Banking Companies and Farm Accounting.
<p>ADVANCEDACCOUNTING-II</p>	<ul style="list-style-type: none"> • To understand accounting knowledge in reading and Interpreting the financial statements of corporate entities. • To study the need and importance of Accounting Standard and its Functional Aspects. • To develop competence among the students regarding advanced accounting. • To apprise the students about the application of accounting knowledge of amalgamation, absorption, external 	<ul style="list-style-type: none"> • . Understand the various concepts of Corporate Sector Accounting. • Developing techniques of reconstruction of Companies financial statement. • Preparing the Reconstructed Financial Statements. 4. Understanding knowledge of Liquidation of Companies.

	reconstructions and internal reconstructions.	
GOOD & SERVICE TAX GST	<ul style="list-style-type: none"> • To equip students with the necessary soft skills to enhance their competitive edge in the job market. • To imbibe in students positive attitude towards life and work. 	<ul style="list-style-type: none"> • To help student excel in their individual and professional lives using the soft skills.

B.Voc Soil and Water conservation

Course outcome

Class	Job Role	Course Outcome
FY B.Voc (SWC)	Micro Irrigation Technician	<p>The individual holds a very critical role in the installation and function of micro irrigation system that not only uses the existing natural resources efficiently but also benefits the farmers in terms of decreased cost of cultivation in the long run.</p> <p>The individual is responsible for Installation, Testing, and Commissioning of Micro Irrigation System at field level and thus ensure uninterrupted supply of water to the plant stand on the farm.</p>
	Soil & Water Testing Lab Analyst	<p>The individual plays a critical role in soil & water testing & analysis and recommending fertilizer & nutrient doses accordingly.</p> <p>The individual is responsible for conducting soil & water test and interpreting the soil analysis results in relation to the soil fertility management. S/he prepares the Soil & Water Health card illustrating the desired cropping pattern, soil amendments & integrated nutrient management, irrigation & water management to be undertaken.</p>
	Soil & Water Testing Lab Attendant	<p>The individual plays a critical role in executing various operations involved in soil & water testing</p> <p>Under minimum supervision, the individual is responsible for cleaning of laboratory equipment utilizing proper cleaning protocols and procedures, processing soil & water samples for testing and maintaining records, preparation of chemical solutions used in the laboratory, data entry and dissemination of soil & water health cards.</p>
Class	Job Role	Course Outcome
SY B.Voc (SWC)	Micro Irrigation operator	<p>The individual is responsible for Installation, Testing, and Commissioning of Micro Irrigation System at field level and thus ensure uninterrupted supply of water to the plant stand on the farm.</p> <p>The individual holds a very critical role in the installation and function of micro irrigation</p>

		system that not only uses the existing natural resources efficiently but also benefits the farmers in terms of decreased cost of cultivation in the long run
	Soil & Water Testing Lab Assistant	The individual is responsible for conducting soil & water test and interpreting the soil analysis results in relation to the soil fertility management. S/he prepares the Soil & Water Health card illustrating the desired cropping pattern, soil amendments & integrated nutrient management, irrigation & water management to be undertaken
Class	Job Role	Course Outcome
TY B.Voc (SWC)	Micro Irrigation Technician	The individual is responsible for Installation, Testing, and Commissioning of Micro Irrigation System at field level and thus ensure uninterrupted supply of water to the plant stand on the farm. The individual holds a very critical role in the installation and function of micro irrigation system that not only uses the existing natural resources efficiently but also benefits the farmers in terms of decreased cost of cultivation in the long run
	Watershed Manager	A Watershed Manager is responsible for achieving the desired results of a watershed project. S/he manages the men, material, machines and money during both the phases of planning and the execution of a watershed project A Watershed Manager is responsible for allocating the human and financial resources for planning of watershed activities, managing execution of watershed treatments and other related activities. S/he establishes and executes the systems for data management, record keeping and reporting of physical and financial progress in the project
	Watershed Engineer	A Watershed engineer is responsible for planning and implementation of the technological interventions such as soil conservation and watershed harvesting structures. S/he is also responsible for handling major part of the watershed expenditure, hence needs close collaboration with the watershed committee A Watershed engineer is responsible for preparing participatory net plan to define the soil conservation treatments in the watershed as well as water harvesting structures. S/he closely monitors implementation of these structures with desired pace and the quality including fund management, records keeping and reporting.

	Watershed Supervisor	A Watershed Supervisor is responsible for execution of soil and moisture conservation treatments in the watershed project. S/he acts as a crucial link between PIA, VWC and the community. A watershed supervisor is responsible for motivating the land owners, supervising the erection of land treatments, measuring and organizing the payments for the same. Record maintenance and support to the watershed committee on day to day basis is also taken care by him/her.
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B.Voc Software Development

Course outcome

Class	Job Role	Course Outcome
FY B.Voc (SD)	Web Developer	Individuals at this job are responsible for designing and maintaining web-based applications that include static and dynamic content. This includes the design, layout and coding of a website. They may work standalone or along with application/functional developers as part of the overall solution that includes a web-based component. The role is responsible for designing, coding and modifying websites, from layout to function and according to a client's specifications.
	Office Assistant	Office Assistants are a vital part of any office. They may go by other related names, such as an Administrative Assistant or Secretary, but they all have one thing in common; their role is to support the staff members at hand and make sure everything runs smoothly behind the scenes.
	Hardware Technician	This involves installing and updating desktops or laptops, ensuring software is working efficiently, and troubleshooting all IT issues within the company. Hardware technicians work for a variety of organizations that use computers. It is usually a full-time role typically performed in an office-based environment.
Class	Job Role	Course Outcome
SY B.Voc (SD)	Desktop Application Developer	The Junior Software Developer is part of an agile development team building and working on enterprise grade software systems on top of the Microsoft .NET development stack. The Junior Software Developer is involved in all areas of development from design to development to testing. An entry-level software engineer, also called a junior engineer, works with a team of mid-level and senior engineers to develop, test, and maintain software applications and programs. ... As software engineers gain more years of experience, they work on more complex development projects.
	Jr DBA	Monitor performance of database systems resources and query throughput. Optimize SQL Code as necessary. Monitor and maintain database storage resources. Monitor and maintain database maintenance plans for backups, index rebuild/defragment, and database statistics.

Class	Job Role	Course Outcome
TY B.Voc (SD)	Software Developer	Modifying software to fix errors, adapt it to new hardware, improve its performance, or upgrade interfaces. Directing system testing and validation procedures. Directing software programming and documentation development. Consulting with departments or customers on project status and proposals. Working with customers or departments on technical issues including software system design and maintenance. Analysing information to recommend and plan the installation of new systems or modifications of an existing system. Consulting with engineering staff to evaluate software hardware interfaces and develop specifications and performance requirements. Designing and developing software systems using scientific analysis and mathematical models to predict and measure outcomes and design consequences. Preparing reports on programming project specifications, activities, or status. Conferring with project managers to obtain information on limitations or capabilities.
	Software Engineer	A Software Engineer is an IT professional who designs, develops and maintains computer software at a company. They use their creativity and technical skills and apply the principles of software engineering to help solve new and ongoing problems for an organization.
	System Analyst	Systems analysts analyse how well software, hardware and the wider IT system fit the business needs of their employer or of a client. They write requirements for new systems and may also help implement them and monitor their effectiveness.
	Program Developer	Integrate software components and third-party programs. Verify and deploy programs and systems. Troubleshoot, debug and upgrade existing software. Gather and evaluate user feedback.

Department of Computer Science

Course outcome

Class	Job Role	Course Outcome
FY BSC	Web Developer	Individuals at this job are responsible for designing and maintaining web-based applications that include static and dynamic content. This includes the design, layout and coding of a website. They may work standalone or along with application/functional developers as part of the overall solution that includes a web-based component. The role is responsible for designing, coding and modifying websites, from layout to function and according to a client's specifications.
	Office Assistant	Office Assistants are a vital part of any office. They may go by other related names, such as an Administrative Assistant or Secretary, but they all have one thing in common; their role is to support the staff members at hand and make sure everything runs smoothly behind the scenes.
	Hardware Technician	This involves installing and updating desktops or laptops, ensuring software is working efficiently, and troubleshooting all IT issues within the company. Hardware technicians work for a variety of organizations that use computers. It is usually a full-time role typically performed in an office-based environment.
Class	Job Role	Course Outcome
SY B.SC	Desktop Application Developer	The Junior Software Developer is part of an agile development team building and working on enterprise grade software systems on top of the Microsoft .NET development stack. The Junior Software Developer is involved in all areas of development from design to development to testing. An entry-level software engineer, also called a junior engineer, works with a team of mid-level and senior engineers to develop, test, and maintain software applications and programs. ... As software engineers gain more years of experience, they work on more complex development projects.
	Jr DBA	Monitor performance of database systems resources and query throughput. Optimize SQL Code as necessary. Monitor and maintain database storage resources. Monitor and maintain database maintenance plans for backups, index

		rebuild/defragment, and database statistics.
Class	Job Role	Course Outcome
TY B.SC	Software Developer	Modifying software to fix errors, adapt it to new hardware, improve its performance, or upgrade interfaces. Directing system testing and validation procedures. Directing software programming and documentation development. Consulting with departments or customers on project status and proposals. Working with customers or departments on technical issues including software system design and maintenance. Analysing information to recommend and plan the installation of new systems or modifications of an existing system. Consulting with engineering staff to evaluate software hardware interfaces and develop specifications and performance requirements. Designing and developing software systems using scientific analysis and mathematical models to predict and measure outcomes and design consequences. Preparing reports on programming project specifications, activities, or status. Conferring with project managers to obtain information on limitations or capabilities.
	Software Engineer	A Software Engineer is an IT professional who designs, develops and maintains computer software at a company. They use their creativity and technical skills and apply the principles of software engineering to help solve new and ongoing problems for an organization.
	System Analyst	Systems analysts analyze how well software, hardware and the wider IT system fit the business needs of their employer or of a client. They write requirements for new systems and may also help implement them and monitor their effectiveness.
	Program Developer	Integrate software components and third-party programs. Verify and deploy programs and systems. Troubleshoot, debug and upgrade existing software. Gather and evaluate user feedback.