

# कला, वाणिज्य, विज्ञान व संगणकशास्त्र महाविद्यालय, आश्वी खु

## मराठी विभाग

### Course Outcomes and Program Outcomes

#### Programs offered:

#### B.A. Marathi

Sr. No.	Programme	Programme Specific Outcome
१	B.A. Marathi	१. विद्यार्थ्यांची सर्जनशक्ती विकसित करणे. २. विद्यार्थ्यांमध्ये मराठी भाषेचा प्रचार व प्रसार करणे. ३. विद्यार्थ्यांना भाषेचे महत्त्व पटवून देणे. ४. सोशल मीडिया मध्ये रोजगाराच्या संधी व मराठी भाषा याविषयी जागृती करणे. ५. विविध साहित्य प्रकारांचा सखोल अभ्यास करणे.

#### Courses offered: Marathi

Sr.No	Class	Course	Course Outcomes
१	F.Y.B.A.	सामान्य मराठी G 1 (२०१९ CBCS)	१. कथा या साहित्य प्रकारची ओळख करून देणे. २. विविध साहित्य प्रवाहमधील कथा या साहित्यप्रकारातील निवडक कथांचे अध्ययन करणे. ३. भाषिक कौशल्यविकास करणे. ४. एकांकिका या साहित्य प्रकारची ओळख करून देणे. ५. मराठी साहित्यातील निवडक एकांकीकांचे अध्ययन करणे.
२	F.Y.B.Com	भाषा साहित्य आणि कौशल्यविकास सामान्य मराठी (२०१९ CBCS)	१. विविध क्षेत्रातील भाषा व्यवहाराचे स्वरूप समजावून देणे. २. विविध क्षेत्रीय मराठी भाषेच्या वापराची कौशल्य विकसित करणे. ३. मराठीच्या प्रत्यक्ष वापराचा अभ्यास करणे. ४. विविध क्षेत्रातील कर्तृत्ववान व्यक्तीच्या कार्याची व विचारांची ओळख करून देणे. ५. विद्यार्थ्यांमध्ये नैतिक, व्यवसायिक व वैचारिक मुल्यांची जोपासना करणे. ६. व्यक्तिमत्त्व विकासात भाषेचे महत्त्व स्पष्ट करणे. ७. साहित्याची आवड निर्माण करणे. ८. प्रशासकीय व्यावहारात मराठी भाषेचा वापर कसा करावा याची माहिती करून घेणे.
४	S.Y.B.A.	सामान्य मराठी – G-2 (२०१९ CBCS)	१. शुद्धलेखनाची ओळख करून घेणे. २. पारिभाषिक संज्ञा समजावून घेणे. ३. चरित्र व आत्मचरित्र यांचा परिचय करून घेणे. ४. चरित्राचे आकलन व आस्वाद घेण्याची क्षमता विकसित करणे. ५. चरित्रातून प्रेरणा घेणे .
५	S.Y.B.A.	मराठी साहित्यातील विविध साहित्यप्रकार Sp -1 (२०१९ CBCS)	१. मराठी साहित्यातील तात्विक घटकांचे ज्ञान करून घेणे. २. साहित्याचे आकलन, आस्वाद व मूल्यमापन करण्याची दृष्टी विकसित करणे. ३. विविध भाषिक कौशल्य विकसित करणे ४. साहित्याचा सखोल अभ्यास करण्याची दृष्टी विकसित करणे. ५. कादंबरी व नाटक या साहित्य प्रकारांची माहिती करून घेणे .
६	S.Y.B.A.	आर्वाचीन मराठी साहित्याचा अभ्यास – १८१८ ते १९६० SP -2 (२०१९ CBCS)	१. मराठी साहित्याच्या ऐतिहासिक परंपरेचे ज्ञान करून देणे . २. कालखंडाचा विशेष अभ्यास करणे. ३. कालखंडातील साहित्याचा सखोल आढावा घेणे. ४. साहित्यामागील प्रेरणा लक्षात घेणे.
७	S.Y.B.A.	प्रकाशन व्यवहार आणि संपादन/उपयोजित लेखन कौशल्य SEC (२०१९ CBCS)	१. प्रकाशनव्यवहार आणि संपादन यासाठी आवश्यक कौशल्ये आणि प्रशिक्षण घेणे. २. प्रकाशन संस्था, जाहिरात संस्था, छापखाने, वृत्तपत्र कार्यालये, वितरण संस्था, ग्रंथ विक्री दुकाने, FLEX निर्मिती केंद्र, वार्ताहर यांना भेट देऊन प्रशिक्षण घेणे. ३. जाहिरात, मुलाखतलेखन आणि संपादन यासाठी आवश्यक कौशल्य व प्रशिक्षण मिळविणे. ४. जाहिरात, मुलाखत लेखन आणि संपादन यासाठी प्रात्यक्षिकासह उपयोजनाची

			कौशल्य मिळविणे.
८	S.Y.B.Sc.	व्यावहारिक व उपयोजित मराठी (२०१९ CBCS)	१. मराठी भाषेविषयी विद्यार्थ्यांमध्ये आवड निर्माण करणे . २. व्यक्तिमत्त्व विकासात भाषेचे महत्त्व स्पष्ट करणे. ३. साहित्याची आवड निर्माण करणे. ४. प्रशासकीय व्यावहारात मराठी भाषेचा वापर कसा करावा याची माहिती करून घेणे. ५. विज्ञान साहित्याचा आढावा घेणे. ६. निबंध लेखनाचे स्वरूप समजावून घेणे.
९	T.Y.B.A.	भाषिक कौशल्यविकास आणि आधुनिक मराठी साहित्यप्रकार G3 (२०२१ CBCS)	१. मुद्रित माध्यमांसाठी लेखन कौशल्य आत्मसात करणे. २. साहित्यप्रकारांचे स्वरूप, प्रेरणा, प्रयोजन आणि वाटचाल समजावून घेणे. ३. मराठी साहित्य, भाषिक कौशल्यविकास आणि शासनव्यवहार याची माहिती घेणे. ४. साहित्य प्रकारातील विविध अविष्कार व भाषा रूपांची ओळख करून घेणे.
१०	T.Y.B.A	मध्ययुगीन मराठी वाङ्मयाचा स्थूल इतिहास Sp 3 (२०२१ CBCS)	१. वाङ्मयेतिहास संकल्पना, स्वरूप, प्रेरणा व प्रवृत्ती समजून घेणे. २. मध्ययुगीन कालखंडाची सामाजिक, सांस्कृतिक पार्श्वभूमी समजून घेणे. ३. मराठी भाषा, साहित्याची कालखंडानुरूप इतिहास समजून घेणे. ४. विविध कालखंडातील साहित्यिक व साहित्यकृती समजावून घेणे.
११	T.Y.B.A	वर्णनात्मक भाषा विज्ञान Sp 4 (२०२१ CBCS)	१. भाषा स्वरूप, वैशिष्ट्ये व कार्य समजावून घेणे. २. भाषा अभ्यासाची आवश्यकता स्पष्ट करणे. ३. भाषा अभ्यासाची शाखा आणि विविध पद्धतींचा परिचय करून घेणे. ४. वागिंद्रीये रचना, कार्य आणि स्वननिर्मिती समजावून घेणे. ५. रूपविन्यास, वाक्यविन्यास, अर्थविन्यास संकल्पना समजावून घेणे.
१२	T.Y.B.A	कार्यक्रम संयोजनातील भाषिक कौशल्ये SEC (२०२१ CBCS)	१. कार्यक्रमाचे स्वरूप आणि प्रकार समजून घेणे. २. कार्यक्रम संयोजनातील भाषिक कौशल्ये प्राप्त करणे. ३. कार्यक्रम संयोजनातील लेखन कौशल्य व भाषिक संपादित करणे ४. आभासी कार्यक्रमाचे भाषिक कौशल्ये संयोजन करणे.
१३	T.Y.B.A.	आधुनिक मराठी साहित्य आणि व्यावहारिक व उपयोजित मराठी G-3 (२०१३ Pattern)	१. आधुनिक मराठी साहित्यातील विविध साहित्य प्रकारांचा परिचय वाढविणे . २. कलाकृतीचा आस्वाद घेण्याची क्षमता विकसित करणे, ३. भाषेचे आकलन करण्याची क्षमता विकसित करणे. ४. निबंध व प्रवासवर्णन या साहित्य प्रकारांचा परीचय करून घेणे. ५. ग्रंथ परिक्षणाची आवड निर्माण करणे.
१४	T.Y.B.A.	साहित्यविचार Spl- 3 (२०१३ Pattern)	१. साहित्याचे स्वरूप समजावून घेणे. २. साहित्याची प्रयोजने समजावून घेणे. ३. साहित्य निर्मितीची प्रक्रिया समजावून घेणे. ४. साहित्याची भाषा समजावून घेणे. ५. साहित्याची आस्वाद प्रक्रिया समजावून घेणे. ६. साहित्यिक मूल्ये समजावून घेणे.
१५	T.Y.B.A.	भाषाविज्ञान वर्णनात्मक आणि ऐतिहासिक Spl- 4 (२०१३ Pattern)	१. भाषेचे स्वरूप व कार्य, महत्त्व, भाषा अभ्यासाची प्रमुख अंगे जाणून घेणे . २. भाषा म्हणजे काय व तिचे मानवी जीवनातील कार्य व महत्त्व जाणून घेणे. ३. वेगवेगळ्या भाषाअभ्यास पद्धतींचे वेगळेपण व महत्त्व जाणून घेणे. ४. स्वननिर्मितीची प्रक्रिया समजावून घेणे. ५. वागिंद्रियांची रचना व कार्य समजावून घेणे. ६. स्वनविज्ञान, स्वनिम संकल्पना आणि मराठीची स्वनिम व्यवस्था जाणून घेणे. ७. ऐतिहासिक भाषा अभ्यास पद्धतीचे स्वरूप व महत्त्व लक्षात घेणे ८. मराठी भाषेचा उत्पत्तीकाळ व स्थित्यंतराचा आढावा घेणे.



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## DEPARTMENT HINDI

### Course Outcomes and Program Specific Outcomes

Sr.No	Programme	Programme Specific Outcome
1	<b>B.A HINDI</b>	1. छात्रों की सर्जनात्मक शक्ति का विकास करना ।
		2. छात्रों में राष्ट्रभाषा हिन्दी का प्रचार-प्रसार करना ।
		3. छात्रों को मानक लिपि एवं भाषा का महत्व स्पष्ट करना ।
		4. पत्रकारिता के क्षेत्र में रोजगार वृत्ति को बढ़ावा देना ।
		5. अनुवाद कौशल्य विकसित करना I
		6. हिंदी कंप्यूटिंग का परिचय देना I
		7. लघु कथा सर्जन कौशल्य विकसित करना I
		9. हिंदी काव्य गीत सृजन कौशल्य विकसित करना I
2	<b>B.COM HINDI</b>	1. मौलिक लेखन की ओर रुझान बढ़ाना I
		2. अनुवाद संबंधी जानकारी देना I
		3. हिंदी कंप्यूटिंग का परिचय देना I
		4. निबंध लेखन कौशल्य को विकसित करना I
		5. विज्ञापन लेखन कौशल्य विकसित करना I
		6. हिंदी गणितीय चिन्ह एवं अंक का परिचय कराना I

Sr. No.	Class	Course	Course Outcomes
1.	F.Y.B.A.2019 Pattern	वैकल्पिक हिंदी सेमिस्टर-१	1. छात्रों को हिंदी काव्य साहित्य का परिचय देना I
			2. हिंदी कहानी साहित्य से अवगत करना I
			3. हिंदी भाषा द्वारा संवाद कौशल्य विकसित करना I
			4. मौलिक लेखन की ओर रुझान बढ़ाना I
			5. अनुवाद संबंधी जानकारी देना I
			6. हिंदी कंप्यूटिंग का परिचय देना I
		वैकल्पिक हिंदी सेमिस्टर-२	7. निबंध लेखन कौशल्य को विकसित करना I
			8. विज्ञापन लेखन कौशल्य विकसित करना I
			4. छात्रों में राष्ट्र के प्रति प्रेम एवं सामाजिक प्रतिबद्धता कि भावना निश्चित करना I
			5. छात्रों में नैतिक मूल्य, राष्ट्रीय मूल्य, सामाजिक मूल्यों के प्रति आस्था निर्माण करना I

2	F.Y.B.COM .2019 Pattern	वैकल्पिक हिंदी प्रश्नपत्र सेमिस्टर-१	1. छात्रों को हिंदी काव्य साहित्य का परिचय देना ।
			2. हिंदी कहानी साहित्य से अवगत कराना ।
			3. हिंदी भाषा द्वारा संवाद कौशल विकसित करना ।
			4. मौलिक लेखन की ओर रुझान बढ़ाना ।
			5. विज्ञापन लेखन कौशल विकसित करना ।
			6. हिंदी कंप्यूटिंग का परिचय देना ।
		वैकल्पिक हिंदी प्रश्नपत्र सेमिस्टर-2	7. छात्रों को हिंदी काव्य साहित्य का परिचय देना ।
			8. हिंदी कहानी साहित्य से अवगत कराना ।
			9. हिंदी भाषा द्वारा संवाद कौशल विकसित करना ।
			10. विज्ञापन लेखन के प्रकारों को अवगत करना ।
			11. अनुवाद का स्वरूप से अवगत करना ।
			12. पारिभाषिक शब्दावली से अवगत कराना ।
3.	S.Y.B.A G2 2019 Pattern	आधुनिक काव्य, कहानी, तथा व्यावहारिक हिंदी  सेमिस्टर-१	1. छात्रों को काव्य साहित्य से परिचित करना ।
			2. हिंदी कहानी साहित्य से अवगत करना ।
			3. छात्रों को हिंदी कारक व्यवस्था समझाना ।
			4. छात्रों को शब्द युग्म का अर्थ लिखकर प्रत्यक्ष वाक्य में प्रयोग समझाना ।
			5. संक्षेपन लेखन का प्रत्यक्ष बोध करना ।
			6. सर्जनात्मकता का विकास करना ।
		आधुनिक हिंदी व्यंग्य साहित्य तथा व्यावहारिक हिंदी सेमिस्टर-२	7. छात्रों को कहानी व्यंग्य पाठ का बोध कराना ।
			8. छात्रों को व्यंग्य पाठ से परिचित कराना ।
			9. साक्षात्कार कला से अवगत कराना ।
			10. भाषा का मोबाइल तंत्र समझाना ।
			11. पल्लवन कला से अवगत करना ।
4.	SYBA S-1 2019 Pattern	काव्यशास्त्र- सेमिस्टर-१	1. भारतीय काव्यशास्त्र का परिचय देना ।
			2. काव्य परिभाषा, तत्व आदि अवगत कराना ।
			3. अवगत काव्य के तत्व, शब्द शक्तियों का परिचय देना
			4. रस का स्वरूप समझाना ।
			5. भारतीय काव्यशास्त्र में रुचि पैदा करना तथा आलोचनात्मक दृष्टि को विकसित कराना ।
		साहित्य के भेद- सेमिस्टर-२	6. छात्रों को साहित्य के भेद से अवगत कराना ।
			7. छात्रों को पद्य भेद से अवगत कराना ।
			8. महाकाव्य खंडकाव्य और मुक्तक मुक्तक काव्य का परिचय कराना ।
			9. नाटक का स्वरूप समझाना ।

			10. छात्रों में नाट्य अभिनय की रुचि विकसित कराना I
5.	SYBA S-2 2019 Pattern	मध्ययुगीन काव्य तथा उपन्यास साहित्य- सेमिस्टर-१	1. कबीर के साहित्य का परिचय देना I
			2. मीराबाई के काव्य से अवगत कराना I
			3. भारतीय उपन्यास की अवधारणा समझाना I
			4. उपन्यास कृति का मूल्यांकन कला विकसित कराना I
			5. साहित्य कृतियों प्रस्तुत जीवनमूल्यों को आत्मविस्तृत कराना I
		मध्ययुगीन काव्य तथा नाटक साहित्य सेमिस्टर-२	6. रहीम के काव्य का बोध कराना I
			7. बिहारी की काव्य अभिव्यंजना समझाना I
			8. हिंदी नाटक और रंगमंच से अवगत कराना I
			9. छात्रों में अभिनय गुण विकसित कराना I
			10. नाट्य आलोचना से अवगत कराना I
6.	SYBA Skill Enhancement 2019 Pattern	अनुवाद स्वरूप एवं व्यवहार- सेमिस्टर-१	1. अनुवाद कौशल्य से छात्रों को अवगत कराना I
			2. अनुवाद का स्वरूप समझाना I
			3. अनुवाद क्षेत्र से परिचित कराना I
			4. हिंदी से मराठी में प्रत्यक्ष अनुवाद कार्य कराना I
			5. अंग्रेजी से हिंदी मराठी में अनुवाद कौशल का विकास कराना I
		माध्यम लेखन- सेमिस्टर-२	6. छात्रों को माध्यम लेखन से परिचित कराना I
			7. सृजनात्मक लेखन कौशल विकसित कराना I
			8. माध्यम लेखन से अवगत कराना I
			9. श्रव्य दृश्य माध्यमों की भाषा से अवगत करना I
7.	SYBA MIL 2019 Pattern	हिंदी भाषा शिक्षण सेमिस्टर-१	1. हिंदी भाषा श्रवण कौशल विकसित कराना I
			2. छात्रों में हिंदी भाषा वाचन कौशल विकसित करना I
			3. छात्रों में हिंदी भाषा संवाद कौशल विकसित करना I
			4. छात्रों में हिंदी भाषा लेखन कौशल विकसित करना I
			5. हिंदी भाषा विधि तथा भाषा व्यवहार से अवगत करना I
			6. लघु कथा सर्जन कौशल्य विकसित करना I
		हिंदी भाषा शिक्षण सेमिस्टर-२	7. छात्रों में वाक्य के भेद से अवगत करना I
			8. छात्रों में विषय प्रकार के वाक्यों से परिचित करना I
			9. छात्रों में हिंदी भाषा श्रवण कौशल विकसित करना I
			10. छात्रों में हिंदी भाषा संवाद कौशल विकसित करना I
			11. छात्रों में हिंदी भाषा वाचन कौशल विकसित करना I
			12. छात्रों में हिंदी भाषा लेखन कौशल विकसित करना I

			13.हिंदी भाषा विधि तथा भाषा व्यवहार से अवगत कराना
			14.हिंदी काव्य गीत सृजन कौशल विकसित करना I
8.	T.Y.B.A. G-3 2019 Pattern	कथेतर विधाएँ- सेमिस्टर-१	1.छात्रों को संस्मरण साहित्य से अवगत करना ।
			2. छात्रों को रेखाचित्र साहित्य से अवगत करना ।
			3.छात्रों को मूल्यांकन की दृष्टि का विकास करना ।
			4. सभा- इतिवृत्त लेखन कौशल वृद्धि का विकास करना ।
			5.वार्ता - लेखन कौशल दृष्टि निर्माण करना ।
		गज़ल विधा और पत्राचार सेमिस्टर-२	6.छात्रों को गजल साहित्य से अवगत करना ।
			7.छात्रों को गजलकार के व्यक्तित्व से अवगत करना ।
			8.छात्रों में मूल्यांकन की दृष्टि का विकास करना ।
			9.छात्रों को सरकारी पत्र लेखन से अवगत करना
9.	T.Y.B.A. S-3 2019 Pattern	हिंदी साहित्य का इतिहास आदिकाल ), भक्तिकाल रीतिकाल का सामान्य परिचय (	1. हिंदी साहित्येतिहास लेखन का परिचय देना ।
			2. हिंदी साहित्येतिहास के कालविभाजन तथा नामकरण का परिचय देना ।
			3. आदिकालीन , भक्तिकालीन , रीतिकालीन प्रमुख साहित्यिक प्रवृत्तियों , रचनाकारों और रचनाओं से परिचित कराना I
		हिंदी साहित्य का इतिहास आधुनिक काल ) ( सामान्य परिचय सेमिस्टर-२	4. आधुनिक काल की पृष्ठभूमि से छात्रों अवगत कराना ।
			5.भारतेंदु युगीन , द्विवेदी युग के काव्य की विशेषताओं से छात्रों को अवगत कराना ।
			6. आधुनिक काल के रचनाकारों और रचनाओं से परिचित कराना ।
			7. हिंदी गद्य के उद्भव और विकास से छात्रों को अवगत कराना ।
10 .	T.Y.B.A.S-4 2019 Pattern	भाषाविज्ञान- सेमिस्टर-१	1 . भाषाविज्ञान के स्वरूप का परिचय देना ।
			2. छात्रों को भाषाविज्ञान की व्याप्ति समझाना ।
			3. भाषाविज्ञान के अध्ययन की दिशाओं का परिचय देना ।
			4. भाषाविज्ञान के अनुप्रयोगात्मक पक्ष को समझाना ।
			5. साहित्य - अध्ययन में भाषाविज्ञान की उपयोगिता समझाना ।
		हिंदी भाषा और उसका विकास सेमिस्टर-२	5. भाषाविज्ञान के स्वरूप का परिचय देना ।
			6. छात्रों को भाषाविज्ञान की व्याप्ति समझाना ।
			7. भाषाविज्ञान के अध्ययन की दिशाओं का परिचय देना ।

			8.भाषाविज्ञान के अनुप्रयोगात्मक पक्ष को समझाना । 9.साहित्य – अध्ययन में भाषाविज्ञान की उपयोगिता समझाना ।
11	T.Y.B.A. SEC 2019 Pattern	Skill Enhancement Course पटकथा लेखन सेमिस्टर-१	1.छात्रों को स्क्रिप्ट लेखन , अर्थ , परिभाषा से अवगत कराना ।
			2.छात्रों को कथा , पटकथा और संवाद से परिचित कराना ।
			3. छात्रों को ड्राफ्ट बनाने से परिचित कराना ।
		साहित्य और फिल्मांतरण सेमिस्टर-२	4. छात्रों में सिनेमा का स्वरूप से परिचित कराना ।
			5.छात्रों को हिंदी साहित्य और सिनेमा के अन्तर्संबंध से परिचित कराना ।
			6. छात्रों को हिंदी उपन्यासों पर आधारित फिल्मों से अवगत कराना ।
	T.Y.B.A. S- 3 2013 Pattern	हिंदी साहित्य का इतिहास	1. हिन्दी साहित्य के इतिहास की लेखन परंपरा से अवगत कराना ।
			2. हिन्दी साहित्य के इतिहास के कालखंडों के नामकरण एवं पृष्ठभूमि का परिचय देना।
			3. हिन्दी साहित्य की प्रतिनिधी रचनाओं और रचनाकारों का महत्व विशद करना।
			4. हिन्दी साहित्य के इतिहास के माध्यम से साहित्य और युगजीवन का संबंध विशद करना।
			5. हिन्दी साहित्य के विकासक्रम तथा साहित्य के परिवर्तन के कारकों का परिचय देना
	T.Y.B.A. S- 4 2013 Pattern	काव्यशास्त्र	1. छात्रों को अलंकार, छंदों के स्वरूप के साथ उनका सोदाहरण परिचय कराना ।
			2. छात्रों को गद्य – भेदों के साथ नाटक, एकांकी और निबंध के स्वरूप एवं तत्वों की जानकारी देना ।
			3. छात्रों को रस का स्वरूप, रस के अंगों एवं भेदों का परिचय देना ।
			4. छात्रों को आलोचना का स्वरूप, आलोचना की उपयोगिता और आलोचक के गुणों से परिचय कराना ।
	T.Y.B.A. 2013 Pattern	हिंदी सामान्य-3	1 छात्रों को आत्मकथा और दीर्घ कविता का परिचय देना।
			2. छात्रों को सरकारी पत्रलेखन की पद्धति से अवगत कराना।।
			3.छात्रों को पत्रकारिता के पहलुओं परिचित करवाना ।
			4 छात्रों में अंग्रेजी से हिंदी में अनुवाद करने की कला को विकसित करना।

			5 छात्रो को परिभाषिक शब्दो के माध्यम से सरकारी कार्यालय मे प्रयुक्त की जानेवाली हिंदी से पारिचित कराना ।
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Head  
Department of Hindi  
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Loknete Dr. Balasaheb Vikhe Patil (Padmabushan Awardee)  
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**Arts, Commerce, Science and Computer Science College Ashvi Kd.**

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**Department of English**

**Course Outcomes and Program Specific Outcomes**

<b>Sr. No.</b>	<b>Programme</b>	<b>Course Outcome</b>	<b>Programme Specific Outcome</b>
<b>1</b>	<b>B. A. English</b>	1. To provide in depth knowledge of language and literary concepts.	1. After completion of programme, students will be able to have in depth knowledge of language and literary concepts.
		2. To familiarize with contemporary and recent trends and advances in language and literature	2. They became familiarize with contemporary and recent trends and advances in language and literature.
		3. To improve language competence.	3. Language competence improved.
		4. To introduce students to some advanced areas of language study.	4. Students got introduced to some advanced areas of language study.
		5. To prepare students to go for detailed study and understanding of literature and language	5. They become confident to prepare to go for detailed study and understanding of literature and language.

**Program offered: F.Y. /S.Y./T.Y. BA/ FYB.Com**

<b>Sr. No</b>	<b>Class</b>	<b>Course</b>	<b>Course Objectives</b>	<b>Course Outcomes</b>
1	F.Y.B.A.	<b>Compulsory English: Visionary Gleam: A Selection of Prose and Poetry (2013 pattern)</b>	<p>1. To familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English.</p> <p>2. To give exposure to native cultural experiences and situations in order to develop humane values and social awareness.</p> <p>3. To develop overall linguistic competence and communicative skills of the student</p>	<p>1. Students familiarized with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English.</p> <p>2. Students got exposure to native cultural experiences and situations in order to develop humane values and social awareness.</p> <p>3. Developed overall linguistic competence and communicative skills of the student</p>
2	F.Y.B.A	<b>Compulsory English: Literary Gleam: An Anthology of Prose and Poetry (2019 pattern)</b>	<p>1. To expose students to the best examples of prose and poetry in English so that they realize the beauty and communicative power of English</p> <p>2. To develop the ability to appreciate idea and think critically.</p> <p>3. To instill human values and develop the character of students as responsible citizens of the world.</p> <p>4. To enhance employability of the students by developing their linguistic competence and communicative skills.</p>	<p>1. Students got exposure to the best examples of prose and poetry in English so that they realize the beauty and communicative power of English</p> <p>2. Developed the ability to appreciate idea and think critically.</p> <p>3. Instilled human values and develop the character of students as responsible citizens of the world.</p> <p>4. Enhanced employability of the students by developing their linguistic competence and communicative skills.</p>

3	F.Y.B.A.	<b>Optional English: Interface: English Literature and Language (2013 Pattern)</b>	<p>1. To give exposure to the basics of literature and language.</p> <p>2. To familiarize with different types of literature in English, the literary devices and terms so that they understand the literary merit, beauty and creative use of language</p> <p>3. To introduce to the basic units of language so that they become aware of the technical aspects and their practical usage.</p> <p>4. To prepare students to go for detailed study and understanding of literature and language.</p> <p>5. To develop an integrated view about language and literature in them</p>	<p>1. Students got exposure to the basics of literature and language.</p> <p>2. They familiarized with different types of literature in English, the literary devices and terms so that they understand the literary merit, beauty and creative use of language</p> <p>3. Got introduced to the basic units of language so that they become aware of the technical aspects and their practical usage.</p> <p>4. Students prepared to go for detailed study and understanding of literature and language.</p> <p>5. Developed an integrated view about language and literature in them</p>
4	F.Y. B.A	<b>Optional English: Initiations Minor Literary Forms &amp; Basics of Phonology(2019 pattern)</b>	<p>1. To expose students to the basics of literature and language and develop an integrated view about language and literature in them.</p> <p>2. To acquaint them with minor forms of literature in English and help them to appreciate the creative use of language in literature.</p> <p>3. To introduce them to the basics of phonology of English so that they can pronounce better and speak English correctly.</p>	<p>1. Students learned the basics of literature and language and developed an integrated view about language and literature in them.</p> <p>2. Acquainted with minor forms of literature in English and help them to appreciate the creative use of language in literature.</p> <p>3. Introduced the basics of phonology of English so that they can pronounce better and speak English correctly.</p> <p>4. Enhanced the job potential of students by improving their language skills</p>

			4. To enhanced the job potential of students by improving their language skills	
5	F.Y.B.Com	<b>Compulsory English: A Pathway to Success (2013 Pattern)</b>	<p>1. To realize the beauty and communicative power of English through good pieces of prose and poetry.</p> <p>2. To give exposure to native cultural experiences and situations so that they understood the importance and utility of English language.</p> <p>3.To develop overall linguistic competence and communicative skills among the students.</p> <p>4.To developed oral and written communicative skills among the students so that their employability enhanced and English becomes the medium of their livelihood and personality</p>	<p>1. Students realized the beauty and communicative power of English through good pieces of prose and poetry.</p> <p>2. They got exposure to native cultural experiences and situations so that they understood the importance and utility of English language.</p> <p>3. Developed overall linguistic competence and communicative skills among the students.</p> <p>4. Developed oral and written communicative skills among the students so that their employability enhanced and English becomes the medium of their livelihood and personality.</p>
6	F.Y.B.Com	<b>Compulsory English: Success Avenue (2019 Pattern)</b>	<p>1.To develop oral and written communication skills among the students so that their employability enhances and English becomes the medium of their livelihood and personality</p> <p>2. To expose students to a variety of topics that dominates the contemporary socio economic and cultural life.</p> <p>3. To offer relevant and practically helpful</p>	<p>1.Developed oral and written communication skills among the students so that their employability enhances and English becomes the medium of their livelihood and personality</p> <p>2 Exposed students to a variety of topics that dominate the contemporary socio economic and cultural life.</p> <p>3. Offered relevant and practically helpful pieces of prose and poetry to students so that they not only get to know the beauty and communicative power of English but also its practical application.</p>

			<p>pieces of prose and poetry to students so that they not only get to know the beauty and communicative power of English but also its practical application.</p> <p>4. To develop overall linguistic competence and communicative skills of students.</p>	<p>4. Developed overall linguistic competence and communicative skills of students.</p>
7	S.Y.B.A.	<b>Compulsory English: Literary Landscapes (2013 Pattern)</b>	<p>1. To develop their competence among the students for self-learning.</p> <p>2. To familiarize Students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English.</p> <p>3. To developed students' interest in reading literary pieces.</p> <p>4. To give exposure to native cultural experiences and situations in order to develop humane values and social awareness.</p> <p>5. To developed overall linguistic competence and communicative skills of the students</p>	<p>1. Developed competence among the students for self-learning.</p> <p>2. Students familiarized with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English.</p> <p>3. Developed students' interest in reading literary pieces.</p> <p>4. Got exposure to native cultural experiences and situations in order to develop humane values and social awareness.</p> <p>5. Developed overall linguistic competence and communicative skills of the students</p>

8	S.Y.B.A.	<b>Compulsory English: Panorama: Values and Skills through Literature (2020-21 Pattern)</b>	<p>1. To develop their competence among the students for self-learning.</p> <p>2. To familiarize Students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English.</p> <p>3. To developed students' interest in reading literary pieces.</p> <p>4. To give exposure to native cultural experiences and situations in order to develop humane values and social awareness.</p> <p>5. To developed overall linguistic competence and communicative skills of the students</p>	<p>1. Developed competence among the students for self-learning.</p> <p>2. Students familiarized with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English.</p> <p>3. Developed students' interest in reading literary pieces.</p> <p>4. Got exposure to native cultural experiences and situations in order to develop humane values and social awareness.</p> <p>5. Developed overall linguistic competence and communicative skills of the students</p>
9	S.Y.B.A.	<b>General English(G-2): Study of English Language and Literature (2013 Pattern)</b>	<p>1.To expose students to the basics of short story, one of the literary form</p> <p>2. To familiarize them with different types of short stories in English ) To understand the literary merit, beauty and creative use of language.</p> <p>4) To introduce to some advanced units of language so that they become aware of the technical aspects and their practical usage.</p>	<p>1) Students got exposure to the basics of short story, one of the literary forms.</p> <p>2) Familiarized with different types of short stories in English.</p> <p>3) They understood the literary merit, beauty and creative use of language.</p> <p>4) Got introduction to some advanced units of language so that they become aware of the technical aspects and their practical usage.</p> <p>5) Students prepared to go for detailed study and understanding of literature and language</p>

			<p>5) To prepare them to go for detailed study and understanding of literature and language</p> <p>6) To develop integrated view about language and literature in them</p>	<p>6) Developed integrated view about language and literature in them</p>
10	S.Y.B.A.	<b>General English(G-2): Advanced Study of English Language (2020-21 Pattern)</b>	<p>1. To expose students to the basics of short story, one of the literary form</p> <p>2. To familiarize them with different types of short stories in English</p> <p>3) To understand the literary merit, beauty and creative use of language.</p> <p>4) To introduce to some advanced units of language so that they become aware of the technical aspects and their practical usage.</p> <p>5) To prepare them to go for detailed study and understanding of literature and language</p> <p>6) To develop integrated view about language and literature in them</p>	<p>1) Students got exposure to the basics of short story, one of the literary forms.</p> <p>2) Familiarized with different types of short stories in English.</p> <p>3) They understood the literary merit, beauty and creative use of language.</p> <p>4) Got introduction to some advanced units of language so that they become aware of the technical aspects and their practical usage.</p> <p>5) Students prepared to go for detailed study and understanding of literature and language</p> <p>6) Developed integrated view about language and literature in them</p>
11	S.Y.B.A.	<b>Optional English(S-1): Appreciating Drama (2013 Pattern)</b>	<p>To acquaint and familiarized students with the terminology in Drama Criticism (i.e. the terms used in Critical Analysis and</p>	<p>1. Students acquainted and familiarized with the terminology in Drama Criticism (i.e. the terms used in Critical Analysis and Appreciation of</p>

			<p>Appreciation of Drama).</p> <p>2.To encourage to make a detailed study of a few sample masterpieces of English Drama from different parts of the world</p> <p>3.To Develop interest among the students to appreciate and analyze drama independently</p> <p>4. To enhanced student's awareness in the aesthetics of Drama and to empower them to evaluate drama independently.</p>	<p>Drama).</p> <p>2. Students got encouraged to make a detailed study of a few sample masterpieces of English Drama from different parts of the world</p> <p>3. Developed interest among the students to appreciate and analyze drama independently</p> <p>4. Enhanced students awareness in the aesthetics of Drama and to empower them to evaluate drama independently</p>
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12	S.Y.B.A.	<b>Optional English(S-1): Appreciating Drama (2020-21 Pattern)</b>	<p>To acquaint and familiarized students with the terminology in Drama Criticism (i.e. the terms used in Critical Analysis and Appreciation of Drama).</p> <p>2.To encourage to make a detailed study of a few sample masterpieces of English Drama from different parts of the world</p> <p>3.To Develop interest among the students to appreciate and analyze drama independently</p> <p>4. To enhanced student's awareness in the aesthetics of Drama and to empower them to evaluate drama independently.</p>	<p>1. Students acquainted and familiarized with the terminology in Drama Criticism (i.e. the terms used in Critical Analysis and Appreciation of Drama).</p> <p>2. Students got encouraged to make a detailed study of a few sample masterpieces of English Drama from different parts of the world</p> <p>3. Developed interest among the students to appreciate and analyze drama independently</p> <p>4. Enhanced students awareness in the aesthetics of Drama and to empower them to evaluate drama independently</p>
13	S.Y.B.A.	<b>Optional English(S-2): Appreciating Poetry</b>	<p>1. To acquaint and familiarize students with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)</p> <p>2. To encourage students to make a detailed study of a few sample masterpieces of English poetry.</p> <p>3. To enhance students'</p>	<p>1. Students acquainted and familiarized with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)</p> <p>2. Students got encouraged to make a detailed study of a few sample masterpieces of English poetry.</p> <p>3. Enhanced students' awareness in the aesthetics of poetry and to empower them to</p>

			awareness in the aesthetics of poetry and to empower them to read, appreciate and critically evaluate the poetry independently.	read, appreciate and critically evaluate the poetry independently.
14	S.Y.B.A.	<b>Optional English(S-2): Appreciating Poetry (2020-21 Pattern)</b>	<p>1. To acquaint and familiarize students with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)</p> <p>2. To encourage students to make a detailed study of a few sample masterpieces of English poetry.</p> <p>3. To enhance students' awareness in the aesthetics of poetry and to empower them to read, appreciate and critically evaluate the poetry independently.</p>	<p>1. Students acquainted and familiarized with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)</p> <p>2. Students got encouraged to make a detailed study of a few sample masterpieces of English poetry.</p> <p>3. Enhanced students' awareness in the aesthetics of poetry and to empower them to read, appreciate and critically evaluate the poetry independently.</p>

15	S.Y.B.A.	<b>Skill Enhancement Course-(SEC-2A &amp; 2B)</b>	<ol style="list-style-type: none"> <li>1. Enhancing the skill of using English for everyday communication</li> <li>2. To acquaint the students with the verbal and nonverbal communication</li> <li>3. To create opportunities to access exposure of speaking in various contexts</li> <li>4. To acquaint and familiarize the students with soft skills</li> <li>5. To develop interest among the students to interact in English</li> </ol>	<ol style="list-style-type: none"> <li>1. Students enhanced the skill of using English for everyday communication</li> <li>2. Students acquainted with the verbal and nonverbal communication</li> <li>3. The opportunities created to access exposure of speaking in various contexts</li> <li>4. The students acquainted and familiarized with soft skills</li> <li>5. Students developed interest to interact in English</li> </ol>
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16	T.Y.B.A.	<b>Compulsory English: Literary Pinnacles (2013 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To introduce students to the best uses of language in literature.</li> <li>2. To familiarize students with the communicative power of English.</li> <li>3. To make them competent users of English in real life situations.</li> <li>4. To give students exposure to varied cultural experiences through literature.</li> <li>5. To develop students' overall personality by improving their communicative and soft skills.</li> </ol>	<ol style="list-style-type: none"> <li>1. Students introduced to the best uses of language in literature.</li> <li>2. Students familiarized with the communicative power of English.</li> <li>3. Students become competent users of English in real life situations.</li> <li>4. Students got exposure to varied cultural experiences through literature.</li> <li>5. It contributed to students' overall personality development by improving their communicative and soft skills.</li> </ol>
17	T.Y.B.A.	<b>Compulsory English: Exploring New Horizons ( 2021-22 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To introduce students to the best uses of language in literature.</li> <li>2. To familiarize students with the communicative power of English.</li> <li>3. To make them competent users of English in real life situations.</li> </ol>	<ol style="list-style-type: none"> <li>1. Students introduced to the best uses of language in literature.</li> <li>2. Students familiarized with the communicative power of English.</li> <li>3. Students become competent users of English in real life situations.</li> <li>4. Students got exposure to varied cultural experiences through literature.</li> </ol>

18	T.Y.B.A.	<b>General English(G-3): Advanced Study of English Language and Literature (2013 Pattern)</b>	<p>1) To give exposure to the students to some of the best samples of Indian English Poetry.</p> <p>2) To get experience of Indian English poetry and expresses the ethos and culture of India.</p> <p>3) To understand creative uses of language in Indian English Poetry</p> <p>4) To introduce to some advanced areas of language study.</p> <p>5) To help students to prepare to go for detailed study and understanding of literature and language.</p>	<p>1) Students got exposure to some of the best samples of Indian English Poetry.</p> <p>2) Students experienced Indian English poetry and expresses the ethos and culture of India.</p> <p>3) They understood creative uses of language in Indian English Poetry</p> <p>4) Students got introduced to some advanced areas of language study.</p> <p>5) It helped students to prepare to go for detailed study and understanding of literature and language.</p>
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19	T.Y.B.A.	<b>General English(G-3): Enhancing Employability Skills (2021-22 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To get the awareness of career opportunities available to them.</li> <li>2. To identify the career opportunities suitable to them.</li> <li>3. To understand the use of English in different careers.</li> <li>4. To develop competence in using English for the career of their choice.</li> <li>5. To enhance skills required for their placement.</li> <li>6. To use English effectively in the career of their choice.</li> <li>7. To exercise verbal as well as nonverbal communication effectively for their career.</li> </ol>	<ol style="list-style-type: none"> <li>1. The students got awareness of career opportunities available to them.</li> <li>2. The students identified the career opportunities suitable to them.</li> <li>3. The students understood the use of English in different careers.</li> <li>4. The students developed competence in using English for the career of their choice.</li> <li>5. The students enhanced skills required for their placement.</li> <li>6. The students used English effectively in the career of their choice.</li> <li>7. The students exercised verbal as well as nonverbal communication effectively for their career.</li> </ol>
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20	T.Y.B.A.	<b>Optional English(S-3): Appreciating Novel (2013 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To introduce to the basics of novel as a literary form.</li> <li>2. To give exposure to the historical development and nature of novel.</li> <li>3. To make aware of different types and aspects of novel.</li> <li>4. To developed literary sensibility and sense of cultural diversity in students.</li> <li>5. To give exposure to some of the best examples of novel.</li> </ol>	<ol style="list-style-type: none"> <li>1. Students introduced to the basics of novel as a literary form</li> <li>2. Students got exposure to the historical development and nature of novel</li> <li>3. They became aware of different types and aspects of novel</li> <li>4. Developed literary sensibility and sense of cultural diversity in students</li> <li>5. Students got exposure to some of the best examples of novel</li> </ol>
21	T.Y.B.A.	<b>Optional English(S-3): Appreciating Novel (2021-22 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To introduce students to the basics of novel as a literary form</li> <li>2. To expose students to the historical development and nature of novel</li> <li>3. To make students aware of different types and aspects of novel</li> <li>4. To develop literary sensibility and sense of cultural diversity in students</li> <li>5. To expose students to some of the best examples of novel</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduced students to the basics of novel as a literary form</li> <li>2. Exposed students to the historical development and nature of novel</li> <li>3. The students were aware of different types and aspects of novel</li> <li>4. Developed literary sensibility and sense of cultural diversity in students</li> <li>5. Exposed students to some of the best examples of novel</li> </ol>

22	T.Y.B.A.	<b>Optional English(S-4): Introduction to Literary Criticism (2013 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To introduce students to the basics of literary criticism</li> <li>2. To make them aware of the nature and historical development of criticism</li> <li>3. To familiarize students with the significant critical approaches and terms</li> <li>4. To encouraged students to interpret literary works in the light of the critical approaches</li> <li>5. To developed aptitude for critical analysis</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduced students to the basics of literary criticism</li> <li>2. They became aware of the nature and historical development of criticism</li> <li>3. They became familiar with the significant critical approaches and terms</li> <li>4. Students got encouraged to interpret literary works in the light of the critical approaches</li> <li>5. Developed aptitude for critical analysis</li> </ol>
23	T.Y.B.A.	<b>Optional English(S-4): Introduction to Literary Criticism (2021-22 Pattern)</b>	<ol style="list-style-type: none"> <li>1. To introduce students to the basics of literary criticism</li> <li>2. To make them aware of the nature and historical development of criticism</li> <li>3. To familiarize students with the significant critical approaches and terms</li> <li>4. To encouraged students to interpret literary works in the light of the critical approaches</li> <li>5. To developed aptitude for critical analysis</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduced students to the basics of literary criticism</li> <li>2. They became aware of the nature and historical development of criticism</li> <li>3. They became familiar with the significant critical approaches and terms</li> <li>4. Students got encouraged to interpret literary works in the light of the critical approaches</li> <li>5. Developed aptitude for critical analysis</li> </ol>



24	T. Y. B.A.	<b>Skill Enhancement Course: Mastering Life Skills and Life Values (2021-22 Pattern)</b>	1. To equip the students with the social skills 2. To train the students interpersonal skills 3. To build self-confidence and communicate effectively 4. To Encourage the students to think critically 5. To learn stress management and positive thinking 6. To enhance leadership qualities 7. To aware the students about universal human values 8. To develop overall personality of the students	1. The students equipped with the social skills 2. The students trained interpersonal skills 3. They built self-confidence and communicate effectively 4. The students encouraged to think critically 5. They learnt stress management and positive thinking 6. They enhanced leadership qualities 7. The students aware about universal human values 8. Overall personality of the students developed
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Head  
Department of English  
ACS & Comp.Sci. College, Ashvi Kd.

Loknete Dr. BalasahebVikhePatil (Padmabushan Awardee)

Pravara Rural Education Society's  
Arts, Commerce, Science and Computer Science College AshviKd.

**Department of Economics**

**Course Outcomes and Program Specific Outcomes**

Sr. No.	Programme	Course Outcome	Programme Specific Outcome
1	<b>B. A. Economics</b>	1. To provide in depth knowledge of socio-economic aspects.	1. After completion of program, students will be able to have in-depth knowledge of basic concepts in Economics.
		2. To familiarize with current and recent developments in Economics	2. A good academic background to be able to seek admission for masters degree in Economics
		3. To enrich knowledge through problem solving, hands-on activities projects.	3. An academic background to be able to crack the banking and administrative examinations
		4. To provide a broad and comprehensive knowledge in micro and macro Economics, Public Economics, Indian Economy and Agricultural Economics.	
		5. To develop analytical abilities towards real world problems	

**Program offered: F.Y. /S.Y./T.Y. BA/ B.Com**

Sr. No	Class	Course	Course Objectives	Course Outcomes
1	F.Y.B.A.	Indian Economic Environment (2019 Pattern)	1. The course intends to make students aware about the Developing Economy, Theory of Demographic Transition. 2. The course intends to make students	1. After completion of program, students will be able to have in-depth knowledge of the

			<p>aware about the Poverty and Unemployment, Place of Agriculture in Indian economy, Role of Industrialization, Meaning and Classification of Labour Meaning.</p> <p>3. The course intends to make students aware about the Concept, Need and Objectives Salient Features of Economy of Maharashtra</p>	<p>Developing Economy, Theory of Demographic Transition.</p> <p>2. Students will be get acquainted with the the basic concept of the Poverty and Unemployment, Place of Agriculture in Indian economy, Role of Industrialization, Meaning and Classification of Labour Meaning.</p> <p>3. After completion of program, students will be able to have in-depth knowledge of the Concept, Need and Objectives Salient Features of Economy of Maharashtra</p>
2	F.Y. B.Com.	Business Economics (Micro) (2019 Pattern)	<p>1. To expose Students of Commerce to basic micro economic concepts and inculcate an analytical approach to the subject matter.</p> <p>2. To stimulate the student interest by showing the relevance and use of various economic theories.</p> <p>3. To apply economic reasoning to problems of business.</p>	<p>1. Students will be get acquainted with the basic micro economic concepts and inculcate an analytical approach to the subject matter.</p> <p>2. Students will be acquaint the basic concepts of the relevance and use of various economic theories.</p> <p>3. After completion of program, students will be able to have in-depth knowledge of economic reasoning to problems of business.</p>
3	S.Y.B.Com	Business Economics (Macro) (2019 Pattern)	<p>1. The objective of the course is to familiarize the students the basic concept of Macro Economics and application.</p> <p>2. To study the behavior of the economy as a whole.</p> <p>3. To study the relationship among broad aggregates.</p> <p>4. To apply economic reasoning to problems of the economy.</p>	<p>1. Students will be get acquainted with the the basic concept of Macro Economics and application.</p> <p>2. After completion of program, students will be able to have in-depth knowledge of behavior of the economy as a whole.</p> <p>3. Students will be acquainting the basic</p>

				<p>concepts of the relationship among broad aggregates.</p> <p>4. Students will be familiar with the apply economic reasoning to problems of the economy.</p>
4	S.Y.B.A.	G-2: Financial System (2019)	<p>1. To understand fundamentals of modern financial system.</p> <p>2. To understand the recent trends and developments in banking system.</p> <p>3. To understand the role of the Reserve Bank of India in Indian financial system.</p> <p>4. To provide the knowledge of various financial and non-financial institutions.</p> <p>5. To provide the students the intricacies of Indian financial system for better financial decision making.</p>	<p>1. A financial system is a network of financial institutions, financial markets, financial instruments and financial services to facilitate the transfer of funds.</p> <p>2. It serves as a backbone of any economy. This paper aims to provide knowledge about the financial system in the country.</p> <p>3. It also aims to introduce international financial institutions operating in the global economy. The present era is the one with huge changes, development and challenges in every sector.</p> <p>4. This paper on financial system will also highlight some of the important changes taking place in the Indian financial sector.</p>
5	S.Y.B.A.	S-1: Micro Economics (2019)	<p>1. To develop an understanding about subject matter of Economics.</p> <p>2. To impart knowledge of microeconomics.</p> <p>3. To clarify micro economic concepts.</p> <p>4. To analyze and interpret charts, graphs and figures</p> <p>5. To develop an understanding of basic theories of micro economics and their application.</p>	<p>1. As a foundation course, in this paper, student is expected to understand the behavior of an economic agent, namely, a consumer, a producer, a factor owner and the price fluctuation in a market.</p> <p>2. The chapter incorporated in this paper deal with the nature and scope of economics, the theory of consumer behavior, analysis of production function and equilibrium of a producer,</p>

			<p>6. To demonstrate that the theories discussed in class will usually be applied to real-life situations.</p> <p>7. To help the students to prepare for varied competitive examinations.</p>	<p>the price formation in different markets structures and the equilibrium of a firm and industry.</p> <p>3. In addition, the principles of factor pricing and commodity pricing as also the problems of investment and welfare economics have been included.</p>
6	S.Y.B.A.	S-2: Macro Economics (2019)	<p>1. To introduce students to the historical background of the emergence of macroeconomics</p> <p>2. To familiarize students with the differences between microeconomics and macroeconomics</p> <p>3. To familiarize students with various concepts of national income</p> <p>4. To familiarize students with keynesian macroeconomic theoretical framework of consumption and investment functions</p> <p>5. To introduce students to the role of money in an economy.</p> <p>6. To introduce students to the conceptual and theoretical frameworks of inflation, deflation and stagflation, Business Cycle.</p> <p>7. To familiarize students with the conceptual and theoretical framework of business cycles</p> <p>8. To introduce students to the role of monetary and fiscal policies in fulfilling the macroeconomic objectives of stability, full employment and growth.</p> <p>9. To introduce students to the various instruments of monetary and fiscal policies</p>	<p>1. Macroeconomics is the branch of economics that deals with the functioning of an economy as a whole.</p> <p>2. Macroeconomic analysis involves theoretical, empirical as well as policy-related aspects.</p> <p>3. The theoretical aspect of macroeconomics involves the conceptual as well as theoretical framework of macroeconomics.</p> <p>4. It deals with various macroeconomic concepts as well as various macroeconomic theories. The theoretical framework of macroeconomics focuses on functioning of an economy in its totality, determination of the level of national income and employment in an economy, role of aggregate demand as well as aggregate supply, role of money, determination of value of money, determination of general price level as well as rate of inflation and business cycles.</p> <p>5. The empirical aspect of macroeconomics applies macroeconomic theories to the study of real economies</p>

				<p>and tests the validity of macroeconomic theories.</p> <p>6. The policy-related aspect focuses on the role of fiscal and monetary policy in achieving macroeconomic objectives with the help of various policy instruments.</p> <p>7. This curriculum integrates conceptual, theoretical, empirical and policy-related aspects of macroeconomics. This curriculum introduces the undergraduate students to the field of macroeconomics and enables them to learn the functioning of the economy in a systematic manner.</p>
7.	S.Y.B.A.	Skill Enhancement Course (SEC):Basic Concept of Research Methodology (2019)	<ol style="list-style-type: none"> <li>1. To develop the understanding of the basic concept of research.</li> <li>2. To develop the understanding of the basic framework of sampling and data collection.</li> <li>3. To develop the understanding of various sampling methods and techniques.</li> <li>4. To identify various sources of information for data collection.</li> <li>5. To develop the understanding of the conducting survey on various issues.</li> </ol>	<ol style="list-style-type: none"> <li>1. Demonstrate his/her understanding of sampling methods and the ability to use collection of data</li> <li>2. Identify the appropriate sample techniques for different kinds of research questions</li> <li>3. Identify the appropriate source of data in relation to the collection of research data.</li> <li>4. Able to classify and present the collected data in the form of graph, bar diagram, chart etc.</li> </ol>
8.	T.Y.B.A	Indian Economic Development-III (2019)	<ol style="list-style-type: none"> <li>1. To describe and explain the process of Economic Planning.</li> <li>2. To describe and examine the changing structure of planning process in India.</li> <li>3. To describe and explain the relation between Economic Development and Environment.</li> </ol>	<ol style="list-style-type: none"> <li>1. This course would take an overview of the process of Economic Planning and the Development Goals.</li> <li>2. The course aims to introduce the learner to the main concepts in Economic Planning, equip them with understanding of the planning process in India and changing in recent times and familiarize</li> </ol>

				<p>them to the Sustainable Development Goals.</p> <p>3. The Course also reviews the relation between Economic Development and Environment</p>
9	T.Y.B.A	International Economics-I (2019)	<p>1. To relate and recall the concepts of International Economics and International Trade.</p> <p>2. To describe and apply the theories of international trade.</p> <p>3. To explain and comprehend the issues relating to Terms of trade and Balance of Payment.</p>	<p>1. This course provides the students a thorough understanding and deep knowledge about the concept of international economics and international trade.</p> <p>2. The contents of the paper spread over various modules, lay stress both on theory and applied nature of the subject. Besides this, the contents prepare the students to know the important theories of international trade.</p> <p>3. The paper also covers the meaning, types, importance of terms of trade and causes of unfavorable terms of trade to developing countries like India.</p>
10	T.Y.B.A	International Economics-II (2019)	<p>1. Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market. 2. Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade.</p> <p>3. Ability to comprehend the issues relating to Foreign Capital and Regional and International Co-Operation.</p>	<p>1. This course provides the students a thorough understanding and deep knowledge about India's foreign trade and trade policies.</p> <p>2. The contents of the paper spread over various modules, lay stress both on theory and applied nature of the subject that have registered rapid changes during the last few decade. Besides this, the contents prepare the students to know the foreign exchange market, provisions in FEMA and convertibility of rupee.</p> <p>3. The paper also covers the Indian government's policy</p>

				<p>towards foreign capital and role of multinational corporations in India and regional and international co-operation.</p> <p>4. This paper has become relatively more relevant from the policy point of view under the present waves of globalization and liberalization.</p>
11	T.Y.B.A	Public Finance (2019)	<p>1. To make students to analyze the role of Public Finance in Economic Development.</p> <p>2. To know the sources of Revenue, Expenditure and Debt of Govt. of India.</p> <p>3. To make students competent to become success in competitive examination.</p>	<p>1. To relate and recognize the Nature and Scope of Public Finance.</p> <p>2. To describe and analyze the concept of Public Revenue and its components.</p> <p>3. To explain types of Public Expenditure and reasons for rising Public Expenditure.</p> <p>4. To explain the types of Public Debt and its effects.</p> <p>5. To explain and assess the components and instruments of Fiscal Policy</p>
12	T.Y.B.A	SEC 3A: Business Management-I (2019)	<p>1.To Enhancing professional skills in children</p> <p>2. Enhancing vocational interest in children</p>	<p>1. Management of Business.</p> <p>2. Business planning and decision making</p> <p>3. Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities</p>



Loknete Dr. Balasaheb Vikhe Patil (Padmabushan Awardee)

Pravara Rural Education Society's  
**Arts, Commerce, Science and Computer Science College AshviKd.**

Department of Geography  
CO'S & PO's

Programme	Course Objectives	Programme Specific Outcome
B. A. Geography	1. To provide broad and comprehensive knowledge in Physical, Regional, Population, Tourism and Disaster Management Geography	1. A good academic background to be able to seek admission for master's degree in geography
	2. To develop the practical skills of Geography	2. Capability of applying the knowledge in solving the real world problems
	3. To explain that, solving geographical problems is based on experiential analyses of data through various methods.	3. Skill in cartography for data representation.
	4. To help students build-up a progressive and successful career in Geography	

Sr. No	Class	Course	Objectives	Course Outcomes
1	F.Y.B.A. Geography (CBCS - 2019-20)	Sem - I Gg- 110 (A) - Physical Geography	I. To introduce the students to the basic concepts in Physical geography. II. To introduce latest concept in Physical geography III. To acquaint the students with the utility and application of Physical geography in different regions and environment. IV. To make the students aware about Earth system (Lithosphere, Atmosphere, Biosphere and Hydrosphere)	Upon successful completion of this course, the student will be able to: i) The geographical maturity of students in their current and future courses shall develop. ii) The student develops theoretical, applied and computational skills.
		Sem- II Gg- 110 (B) Human Geography	I. To introduce the students to the basic concepts in Human geography. II. To introduce latest	Upon successful completion of this course, the student will be able to: i) The geographical

			concept in Human Geography	maturity of students
			III. To acquaint the students with the utility and application of Human Geography in different regions and environment.	in their current and future courses shall develop. ii) The student develops theoretical, applied and skills.
2	S.Y.B.A. Geography (CBCS 2019 Pattern)	CC-1C Gg.201 A-Environmental Geography – I	<p>1) To create awareness about dynamic environment among the students</p> <p>2) To acquaint the students with fundamental concepts of environment geography for development in different areas</p> <p>3) The students should be able to integrate various factors of environment and dynamic aspects of environmental geography</p> <p>4) To make aware the students about the problems of environment their utilization and</p>	<p>Upon successful completion of this course, the student will be able to:</p> <p>1) The fundamental concepts of environmental geography</p> <p>2) Students will be able to integrate various factors of environment and dynamic aspects of environmental geography</p> <p>3) Student will get aware about the problems of environment, its utilization and conservation in the view of sustainable development</p>

			conservation in the view of sustainable development	
		CC-1C Gg.201 B-Environmental Geography – II	<p>1) To create awareness about dynamic environment among the students</p> <p>2) To acquaint students with the fundamental concepts of environmental geography</p> <p>3) To acquaint students about the past present and future utility and potentials of natural resources</p> <p>4) To make aware students about the problems of environment its utilization and conservation in the view of sustainable development</p>	<p>Upon successful completion of this course, the student will be able to:</p> <p>1) The fundamental concepts of environmental geography</p> <p>2) To acquaint students will get acquainted with the past present and future utility and potentials of natural resources</p> <p>3) Student will get aware about the problems of environment, its utilization and conservation in the view of sustainable development</p>
		DES-1A Gg.210 A-Population Geography – I	<p>1) To understand the history of population</p> <p>2) To introduce the basic concepts in Population Geography</p>	<p>Upon successful completion of this course, the student will be able to</p> <p>1) Can understand the history of population</p>

			3) To understand the types of population data	2) Will get acquainted with the types of Population
		DES-1B Gg.210 B- Population Geography – II	1) To introduce students to the population policy of India and China  2) To understand the health indicator in India  3) To acquaint students with the concept of urbanization in Population Geography  4) To understand population theories	Upon successful completion of this course, the student will be able to  1) Can understand the health indicator in India  2) Will get acquainted with the concept of urbanization in Population Geography  3) Will understand population theories
		DES-2A Gg.210 A. Practical Geography – I (Scale & Map Projections)	1) To introduce the basic concept in practical geography.  2) To enable students to use various scales and projection techniques in geography.  3) To acquaint students with the utility of various projections in geographical knowledge.  4) To explain the	After the successful completion of the course the students will be able to:  1) develop practical skill and use of map scale and projections.  2) To make students aware of the new techniques accuracy and skills of map

			elementary and essential principles of practical work in geography.	making.
		DES-2B Gg.210 B. Practical Geography – II (Cartographic Techniques/Surveying and Excursion/Village/Project Report)	<p>1) To introduce the students to the basic and contemporary concepts in Cartography.</p> <p>2) To acquaint the students with the utility and applications of various cartographic techniques</p> <p>3) To introduce the latest concepts regarding the modern cartography in the field of geography</p> <p>4) To explain the elementary and essential principles of practical work in geography</p>	<p>After the successful completion of the course the students will be able to:</p> <p>1) Develop practical knowledge and application of cartographical techniques.</p> <p>2) To make students aware of the new techniques, accuracy and skills of map making.</p>
		SEC-I SEC-2A Introduction to Geographical Information System	<p>1. To acquaint the students with basic concepts of GIS.</p> <p>2. To acquaint the students with the utility and applications of GIS technique.</p> <p>3. To create the awareness about your special Technology among the students</p>	<p>Successful completion of this course students will able to</p> <p>1) Comprehend knowledge about the concepts in GIS</p> <p>2) acquire skills of map making using GIS</p>

			4. To inculcate skill of map making among the students by using shared techniques	
		SEC-I SEC-2B Introduction to Remote Sensing	<p>1. To introduce the students about the basic concepts of Remote sensing</p> <p>2. To acquaint the students with the utility of Remote sensing and its application.</p> <p>3. To inculcate the skill of satellite image interpretation among the students</p>	<p>After the successful completion of the course the students will be able to:</p> <p>1) Obtain knowledge about the concepts of Remote sensing</p> <p>2) Acquire skills in visual interpretation of satellite images</p>
		AEC- Environmental Science -I	<p>1. To acquaint the students with basic concepts of environment.</p> <p>2. To aware the students with various types of environmental issues.</p> <p>3. To make the students go for remedies on environment issues.</p>	<p>1. Students will be getting acquainted with the basic concepts of environment.</p> <p>2. Students will be aware of various types of environmental issues.</p> <p>3. Students will be able to give remedies on environment issues</p>
		AEC- Environmental Science -II	<p>1. To acquaint the students with basic concepts of environment.</p> <p>2. To aware the students with various types of environmental</p>	<p>1. Students will be getting acquainted with the basic concepts of environment.</p> <p>2. Students will be aware of various types of</p>

			<p>issues.</p> <p>3. To make the students go for remedies on environment issues.</p>	<p>environmental issues.</p> <p>3. Students will be able to give remedies on environment issues</p>
3	T.Y.B.A. Geography	G-3: Regional Geography of India	<p>1. To understand the physical characteristics of India.</p> <p>2. To understand the cultural characteristics of India.</p> <p>3. To sensitize the students with development issues and policies and programmes design for regional development.</p>	<p>1. Students can understand the physical characteristics of India.</p> <p>2. Students can understand the cultural characteristics of India.</p> <p>3. Students will be sensitized with development issues and policies and programmes designed for regional development.</p>
		S-3: Agricultural Geography	<p>i. To introduce the students to the basic principles and concepts in Agriculture Geography</p> <p>ii. To acquaint the students with the applications of Agriculture Geography in different areas and development.</p> <p>iii. The main aim is to integrate the various factors of Agriculture development and to acquaint the students about this dynamic aspect of Agriculture</p>	<p>Upon successful completion of this course, the student will be able to:</p> <p>1. Students will understand the basic principles and concepts in Agriculture Geography</p> <p>2. Students will get acquaint with the applications of Agriculture Geography in different areas and development.</p> <p>3. Students will be get acquainted with the dynamic aspect of</p>

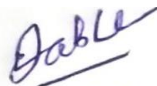
			Geography	Agriculture Geography
		S-4: Techniques in Spatial Analysis	<p>1. To introduce the students with SOI toposheets and to acquire the knowledge of toposheet reading/interpretation.</p> <p>2. To familiarize the students with the weather instruments and their applications in geographical phenomena.</p> <p>3. To acquaint the students with IMD weather maps and to gain the knowledge of weather map reading/interpretation.</p> <p>4. To train the students in elementary statistics as an essential part of geography.</p> <p>5. To create awareness about GIS among the students.</p>	<p>1. Students will know the SOI toposheets and they will learn the toposheet reading/interpretation.</p> <p>2. Students will be familiarized with the weather instruments and their applications in geographical phenomena.</p> <p>3. Students will get acquainted with IMD weather maps and to gain the knowledge of weather map reading/interpretation.</p> <p>4. Students will be trained in the elementary statistics as a essential part of geography.</p> <p>5. Students will be aware of GIS.</p>
T.Y.B.A.Geography (2020-21 Pattern)		Geography of Tourism-I (CC1E)	<p>1) To understand the history of Tourism</p> <p>2) To introduce the students to the basic concepts in Tourism Geography.</p> <p>3) To understand the types of Tourism</p> <p>4) To gain knowledge different aspects of Tourism Geography.</p>	<p>1) Students understood the history of Tourism</p> <p>2) The basic concepts in Tourism introduced to the students of Geography.</p> <p>3) Students understand the types of Tourism</p> <p>4) Students gained knowledge different aspects</p>



				of Tourism Geography.
		Geography of Tourism –II (CC1F)	1. To understand the history of Tourism 2. To introduce the students to the basic concepts in Tourism Geography. 3. To understand the types of Tourism 4. To gain knowledge different aspects of Tourism Geography.	1. Students understood the history of Tourism 2. The basic concepts in Tourism Geography were introduced to the students. 3. Students understood the types of Tourism 4. They gained knowledge different aspects of Tourism Geography.
		Geography of India –I (DSE 1 C)		
		Geography of India –II (DSE 1D)	1. To acquaint the students with geography of our Nation. 2. To make the student aware of the magnitude of problems and Prospects at National level. 3. To help the students to understand the inter relationship between the subject and the society. 4. To help the students to understand the recent trends in regional studied	1. The Students were acquainted with geography of our Nation. 2. The students were made aware of the magnitude of problems and Prospects at National level. 3. It helped the students to understand the inter relationship between the subject and the society. 4. It helped the students to understand the recent trends in regional studied
		Practical Geography – I (Techniques of Spatial Analysis) DSE	1. To introduce the students with SOI top sheets and to	1. Students will know the SOI top sheets and they

2 C	<p>acquire the knowledge of top sheet reading/ interpretation.</p> <p>2. To familiarize the students with the weather instruments and their applications in geographical phenomena.</p> <p>3. To acquaint the students with IMD weather maps and to gain the knowledge of weather map reading/ interpretation.</p> <p>4. To train the students in elementary statistics as an essential part of geography.</p> <p>5. To create awareness about GIS among the students.</p>	<p>will learn the top sheet reading/ interpretation.</p> <p>2. Students will be familiarized with the weather instruments and their applications in geographical phenomena.</p> <p>3. Students will get acquainted with IMD weather maps and to gain the knowledge of weather map reading/ interpretation.</p> <p>4. Students will be trained in the elementary statistics as a essential part of geography.</p> <p>5. Students will be aware of GIS.</p>
Practical Geography – II (Techniques of Spatial Analysis, Surveying and Excursion / Village / Project Report) DSE 2D	<p>1. To introduce the students with SOI top sheets and to acquire the knowledge of top sheet reading/ interpretation.</p> <p>2. To familiarize the students with the weather instruments and their applications in geographical phenomena.</p> <p>3. To acquaint the students with IMD weather maps and to gain the knowledge of weather map reading/ interpretation.</p>	<p>1. Students will know the SOI top sheets and they will learn the top sheet reading/ interpretation.</p> <p>2. Students will be familiarized with the weather instruments and their applications in geographical phenomena.</p> <p>3. Students will get acquainted with IMD weather maps and to gain the knowledge of weather map reading/</p>

		<p>4. To train the students in elementary statistics as an essential part of geography.</p> <p>5. To create awareness about GIS among the students.</p>	<p>interpretation.</p> <p>4. Students will be trained in the elementary statistics as a essential part of geography.</p> <p>5. Students will be aware of GIS.</p>
	Research Methodology – I (SEC 2C)	<p>1. To develop the understanding of the basic concept of research</p> <p>2. To develop the understanding of the basic framework of sampling and data collection</p> <p>3. To develop the understanding of various sampling methods and techniques</p>	<p>1. The Students understanding of the basic concept of research was developed.</p> <p>2. The Students understanding of the basic framework of sampling and data collection was developed.</p> <p>3. The Students understanding of the various sampling methods and techniques was developed.</p>
	Research Methodology – II (SEC 2 D)	<p>1. To identify various sources of information for data collection.</p> <p>2. Understanding of the conducting survey on various issues and develop the Report writing skill of students</p>	<p>1. The students identified various sources of information for data collection.</p> <p>2. The understanding of the conducting survey on various issues and developed the Report writing skill of students</p>


  
**Head**  
 Department of Geography  
 ACS & Comp.Sci. College, Ashvi Kd.

**Name of the Department: History**  
**Program Objectives/ Outcomes**  
**Programs offered: B.A.History**

<b>B.A. History</b>		
<b>Sr. No.</b>	<b>Programme</b>	<b>Programme Specific Outcome</b>
<b>1</b>	<b>B.A. History</b>	1. To develop student's creativity.
		2. To make students understand the importance of history.
		3. To inform students about historical architecture.
		4. To make students understand the importance of history. Providing employment opportunities to students in social media .

<b>Courses offered:History</b>			
<b>Sr.No</b>	<b>Class</b>	<b>Course</b>	<b>Course Outcomes</b>
<b>1</b>	<b>F.Y.B.A.</b>	<b>Early India: From Prehistory to the Age of the Mauryas G-1 (2019 Pattern ) (Sem : I )</b>	1. To inform students about historical architectureIt is also intended to promote academic progress in the field of key Indian history.
			2. To create interest in history among students.
			3. History of Central India is a very important part of Indian history as a whole.
			4.To create interest in history among students. Studies include politics, history, art, literature, science, religion, science and technology. Acknowledging the contribution of early Indians to this important cause
<b>2</b>		<b>Early India: Post Mauryan Age to the Rashtrakutas G1 (2019 CBCS) (Sem:II)</b>	1. To introduce students to early India
			2. After a long period of time, the Prophet It is prepared with the aim of giving a brief introduction to the history of the state.
			3. Political Condition To assess the impact of alienation on culture, society, art and culture. The latter has arrived.
			4.The theme of promoting such growth in history has also been discussed.
<b>3</b>	<b>S.Y.B.A.</b>	<b>History of the Marathas: (1630-1707) (2021 Pattern) (Sem : I )</b>	1. Student will develop the ability to analyse sources for Maratha History.
			2. . Student will learn significance of regional history and political foundation of the region.
			3.It will enhance their perception of 17th century Maharashtra and India in context of Maratha history.
			4. Appreciate the skills of leadership and the administrative system of the Marathas.
<b>4</b>	<b>S.Y.B.A.</b>	<b>History of the Marathas: (1707-1818)</b>	1.Students will be able to analyze the Marathas policy of expansionism and its consequences .
			2. They will understand the role played by the Marathas in the 18th century India.
			3. They will be acquainted with the art of diplomacy in the Deccan region.
			4.It will help to enrich the knowledge of the administrative skills and profundity of diplomacy

5	T.Y.B.A.	Indian National Movement (1885-1947) (2020-21) Pattern (Sem : I )	1. It will enable students to develop an overall understanding of Modern India.
			2. It will increase the spirit of healthy Nationalism, Democratic Values and Secularism among the Students.
			3. Students will understand various aspects of the Indian Independence Movement and the creation of Modern India.
6	T.Y.B.A.	India After Independence- (1947-1991) (2020-21) Pattern (Sem:II)	1. It will enable students to develop an overall understanding of the Contemporary India.
			2. To increase the spirit of healthy Nationalism, Democratic Values and Secularism among the students.
			3. Students will understand various aspects of India's domestic and foreign policies that shaped Post-Independence India.
7	F..Y.B.A.	<b>Democracy Election And Governance</b> (2021-2022) (Sem:II)	1. Students should get information about Indian Constitution
			2. Students should be aware of the basic rights and duties.
			3.Students should get information about Indian Constitution.
			4. Students should get information about the election process.
			5. Students should understand the difference between democracy and dictatorship.
			6. Students should understand the history of Panchayati Raj institutions in the post-independence era.
8	F.Y.Bcom	<b>Democracy Election And Governance</b> (2021-2022) (Sem:II)	1. Students should get information about Indian Constitution
			2. Students should be aware of the basic rights and duties.
			3.Students should get information about Indian Constitution.
			4. Students should get information about the election process.
			5. Students should understand the difference between democracy and dictatorship.
			6. Students should understand the history of Panchayati Raj institutions in the post-independence era.
9	F.Y.Bsc	<b>Democracy Election And Governance</b> (2021-2022) (Sem:II)	1. Students should get information about Indian Constitution
			2. Students should be aware of the basic rights and duties.
			3.Students should get information about Indian Constitution.
			4. Students should get information about the election process.
			5. Students should understand the difference between democracy and dictatorship.
			6. Students should understand the history of Panchayati Raj institutions in the post-independence era.

  
 Head  
 Department of History  
 ACS & Comp.Sci. College, Ashvi Kd.

Loknete Dr.Balasaheb Vikhe Patil (Padmabhushan Awardee)  
Pravara Rural Education Society's  
**Arts, Commerce, Science and Computer Science College Ashvi Kd.**

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**Department of Commerce**

**Course Outcomes and Program Specific Outcomes**

**Program offered : F.Y.B.Com**

Sr. No.	Program	Course Outcomes	Program Specific Outcomes
1	Financial Accounting and	1. To impart the knowledge of various accounting concepts.	1. After completion of this course students will aware about various accounting concepts and accounting standards.
		2. To instill the knowledge about accounting procedure, methods and techniques	2. Students will aware about the basic course in tally.
		3. To acquaint them with practical approach to accounts writing by using software package.	3. Students will get ideas about the various accounting concepts like Single Entry, dissolution, conversion and the basic concepts related royalty.
2	Computer Concept and Programm	1. To make the students familiar with Computer environment.	On completion of the course students should be able to:
		2. To make the students familiar with the basics of Operating System and business communication	1. Use technology ethically, safely, securely, and legally.
		3. To make the students familiar with basics of Network, Internet and related concepts.	2. Identify and analyze computer hardware, software, and network components.
		4. To make awareness among students about applications of Internet in Commerce.	3. Design basic business web pages using current HTML/CSS coding standards.
		5. To enable students to develop their own web site.	4. Install, configure, and remove software and hardware.
			5. Use systems development, word-processing, spreadsheet, and presentation software to solve basic information systems problems.
			6. Apply standard statistical inference procedures to draw conclusions from data.
			7. Retrieve information and create reports from relational databases.

3	Marketing and Salesmanship	1.To create awareness about market and marketing	1. After completion of the program students are understand the basic knowledge of market and marketing.
		2.To establish link between commerce and marketing	2.Students are understand the marketing philosophy and able to generate ideas about marketing research
		3.To understand the basic concept of marketing	3. After getting the knowledge of marketing students are able to plan the marketing strategy
		4.To understand marketing philosophy and generating ideas for marketing research	
		5. To know the relevance of marketing in modern competitive world	
		6. To develop an analytical ability to plan for various marketing strategy	
4	Banking and Finance	1.To acquaint the students with the fundamentals of banking.	1. This course provides students with a broad understanding of international monetary systems and banking with a specific focus on the effects of financial markets and trade balances on international trade and the analysis of regions, countries and markets for international trade.
		2.To develop the capability of students for knowing banking concepts and operations	2. Students are encouraged to analyze and consider international financial management decisions and are taught tools and methodologies to employ as global managers to mitigate risk and take advantage of opportunities in the marketplace.
		3. To make the students aware of banking business and practices.	
		4. To give thorough knowledge of banking operations.	
		5.To enlighten the students regarding the new concepts introduced in the banking system	

**Program offered: S.Y.B.Com**

<b>Sr. No.</b>	<b>Program</b>	<b>Course Objectives</b>	<b>Program Specific Outcomes</b>
1.	Business Communication	1.To understand the concept, process and importance of communication.	1. Apply business communication strategies and principles to prepare effective communication for domestic and international business situations.
		2.To develop awareness regarding new trends in business communication.	2. Identify ethical, legal, cultural, and global issues affecting business communication.
		3.To provide knowledge of various media of communication.	3. Utilize analytical and problem solving skills appropriate to business communication.
		4.To develop business communication skills through the application and exercises.	4. Participate in team activities that lead to the development of collaborative work skills.
			5. Select appropriate organizational formats and channels used in developing and presenting business messages.
			6. Compose and revise accurate business documents using computer technology.
			7. Communicate via electronic mail, Internet, and other technologies.
			8. Deliver an effective oral business presentation.
2.	Corporate Accounting	1· To make aware the students about the conceptual aspect of corporate accounting	1. After completing the syllabus of this course students will aware about the conceptual aspect of corporate accounting
		2· To enable the students to develop skills for Computerized Accounting	2. Students will aware about accounting standard and computerized accounting practices.
		3. To enable the students to develop skills about accounting standards	
3.	Business Management	1· To provide basic knowledge & understanding about business management concept.	1. After studying this subject student will able to understand the basic concepts regarding the business management
		2· To provide an understanding about various functions of management.	2. Students will able to understand the functions of management and its applications.



4.	Elements of Company Law	1·To impart students with the knowledge of fundamentals of Company Law.	1. Students will able to understand the basics of company law and its applications
		2·To update the knowledge of provisions of the Companies Act of 2013.	2.To understand the various amendments made in the company act 2013.
		3· To apprise the students of new concepts involving in company law regime.	3.After getting the knowledge students will able to work out as per company act 2013.
		4· To acquaint the students with the duties and responsibilities of Key Managerial Personnel.	
		5· To impart students the provisions and procedures under company law.	
5.	Business Administration I	1.To provide basic knowledge about various forms of business organizations	1.After studying this students will got the knowledge about various business entities like sole traders, partnership, co-operative and company
		2.To acquaint the students about business environment and its implications thereon.	2.Students will aware about the environmental effects of various factors on the business.
		3. To aware them with the recent trends in business	
6.	Banking and Finance I	1.To create the awareness among the students of Indian banking system	1. After studying this students will got the knowledge about various Bank as well Indian Banking System
		2.To enables students to understand the reforms and other developments in the Indian Banking	2. After the study students will aware about the Indian Banking Development
		3.To provide students insight into the functions and role of Reserve Bank of India	3. After the study students will aware about the Reserve Bank Of India and its Role and Functions.

**Program offered: T.Y.B.Com**

<b>Sr. No.</b>	<b>Program</b>	<b>Course Objectives</b>	<b>Program Specific Outcomes</b>
<b>1.</b>	Business Regulatory Framework	1. To acquaint students with the basic concepts, terms & provisions of Mercantile and Business laws	1. After studying this students will able to understand the basic concepts of law in respect of mercantile and business
		2. To develop the awareness among the students regarding these laws affecting business, trade, and commerce.	2. After the study students will aware about the effects of this law on the business.
<b>2.</b>	Advanced Accounting	1· To impart the knowledge of various accounting concepts	1. Students will able to understand the various accounting concepts
		2· To instill the knowledge about accounting procedures, methods and techniques.	2. Students will able to follow the computerized accounting practices
		3· To acquaint them with practical approach to accounts writing by using software package.	3. They will able to clear the accounting standard and its applications
<b>3.</b>	Auditing and Taxation	1· To acquaint themselves about the concept and principles of Auditing, Audit process, Assurance Standards, Tax Audit, and Audit of computerized Systems.	1.After studying the subject students will understand the application of auditing
		2· To get knowledge about preparation of Audit report.	2. They will liable to make audit report
		3· To acquire knowledge about Computation of Income, Submission of Income Tax Return, Advance Tax, and Tax deducted at Source, Tax Collection Authorities under the Income Tax Act, 1961.	3. Students will able to fill up return of the individual assessee.
<b>4.</b>	Business Administration II	1· To acquaint the students with basic concepts & functions of HRD and nature of Marketing	1. Students will able to follow the various functions of HRD
		2. To understand the functions of a business enterprise.	2. Application of functions of Marketing and Business Enterprises.

5.	Business Administration III	1. To acquaint the students with the basic concepts in finance and production functions of a business enterprise.	1. Students will understand the basic function of finance and various function of production department
6.	Banking and Finance II	1· To acquaint the students with Financial Markets and its various segments.	1. Students will aware about the various segments of financial markets and its applications
		2· To give the students and understanding of the operations and developments in financial markets in India.	2. Students will able to play actual role in the financial institutions in the Indian Economy
		3· To enable them to gain an insight into the functioning and role of financial institutions in	
7.	Banking and Finance III	1· To acquaint the students with Banking Law and Practice in relation to the Banking system in India	1. Students will understand the legal aspects of the banking transactions and its applications
		2· To understand the legal aspects of Banking transactions and its implications as Banker and Customer.	2. Students will aware about banking law and practice in India
		3· To make the Students aware of the Banking Law and Practice in India	

**Program offered: M.Com**

<b>Program Outcomes</b>	<b>PO-1.</b> To equip and train Post Graduate students to accept the challenges of business world by providing opportunities for study and analysis of advanced commercial and business methods and processes.
	<b>PO-2.</b> To develop independent logical thinking and facilitate personality development.
	<b>PO-3.</b> To equip the students to seek suitable careers in management and entrepreneurship.
	<b>PO-4.</b> To acquaint students with significance of research in business
<b>Program Specific Outcomes</b>	<b>PSO-1.</b> To impart skills regarding methods of data collection and their interpretations.
	<b>PSO-2.</b> To develop communication and analytical skills among students.
	<b>PSO-3.</b> To emphasis on industry interaction to enable the learners to take up professional challenges more effectively at master level.
	<b>PSO-4.</b> The choice based credit system offers a cafeteria approach where the students have the liberty to choose courses of their own choice at master level.


<b>Course Outcomes M. Com. I (Sem-I)</b>	
<b>Course Code:</b> <b>MA501MJ</b> <b>Course Name:</b> <b>Management Accounting</b>	<b>CO 1:</b> To enhance the abilities of learners to develop the concept of management accounting and its significance in the business.
	<b>CO 2:</b> To enhance the abilities of learners to analyze the financial statements.
	<b>CO 3:</b> To enable the learners to understand, develop and apply the techniques of management accounting in the financial decision making in the business corporates.
	<b>CO 4:</b> To make the students develop competence with their usage in managerial decision making and control
<b>Course Code:</b> <b>IE502MJ</b> <b>Course Name:</b> <b>Industrial Economics</b>	<b>CO 1:</b> To provide the knowledge to the students about the basic issues of industrial economics.
	<b>CO 2:</b> To make aware the students about the industrial profile of India and the industrial policy of government of India.
	<b>CO 3:</b> To make the students understand concepts of industrial economics
	<b>CO 4:</b> To help the students know theories of industrial economics
<b>Course Code:</b> <b>RM529MJ</b> <b>Course Name:</b> <b>Research Methodology for Business</b>	<b>CO 1:</b> To acquaint the students with the areas of Business Research Activities
	<b>CO 2:</b> To enhance capabilities of students to conduct the research in the field of business and social sciences
	<b>CO 3:</b> To enable students in developing the most appropriate methodology for their research studies

	<b>CO 4:</b> To make them familiar with the art of using different research methods and techniques
<b>Course Code:</b> <b>PO520MJ</b> <b>Course Name:</b> <b>Production Operation Management</b>	<b>CO 1:</b> To understand and develop deep insight of Production & Operation Management
	<b>CO 2:</b> To understand & identity business problems involving operational function, planning and control, design development and quality management.
	<b>CO 3:</b> Demonstrate awareness and importance of application, operation and supply chain management.
	<b>CO 4:</b> To develop skills necessary to effectively analyze and synthesize the many inter relationship inherent in complex socio-economic productive systems
<b>Course Code:</b> <b>FM522MJ</b> <b>Course Name:</b> <b>Financial Management</b>	<b>CO 1:</b> To acquaint the student with knowledge of various Financial Management terminologies ( Investment ,Credit Planning , Working Capital Management
	<b>CO 2:</b> To understand the concepts relating to Financing & Financial Statement Analysis
	<b>CO 3:</b> To utilize the information gathered to reach an optimum conclusion by a process of reasoning
	<b>CO 4:</b> To enable the students to use their learning to evaluate , make decisions and provide recommendations Depth of the program – Fundamental Knowledge
	<b>CO 2:</b> To develop the analytical , technical and managerial skills of students in the various areas of Business Administration
	<b>CO 3:</b> To empower to students with necessary skill to become effective future managers and leaders
	<b>CO 4:</b> To develop Technical skills among the students for designing and developing effective Functional strategies for growth and sustainability of business
<b>M. Com. I (Sem II)</b>	
<b>Course Code:</b> <b>FA551MJ</b> <b>Course Name:</b> <b>Financial Analysis and Control</b>	<b>CO 1:</b> To enable the students to acquire knowledge of financial analysis and control tools
	<b>CO 2:</b> To Make appropriate application and uses of financial analysis and control
	<b>CO 3:</b> Understanding basics of financial analysis.
	<b>CO 4:</b> To gain knowledge of practically comparing financial results of different years and different companies.
<b>Course Code:</b> <b>ST552MJ</b> <b>Course Name:</b> <b>Strategic management</b>	<b>CO 1:</b> To introduce the students to the emerging changes in the modern business environment
	<b>CO 2:</b> To develop the analytical , technical and managerial skills of students in the various areas of Business Administration
	<b>CO 3:</b> To empower to students with necessary skill to become effective future managers and leaders
	<b>CO 4:</b> To develop Technical skills among the students for designing and developing effective Functional strategies for growth and sustainability of business

<b>Course Code:</b> <b>BV568MJ</b> <b>Course Name:</b> <b>Business Ethics and Professional Values</b>	<b>CO 1:</b> To raise the students general awareness on the ethical dilemmas at work place
	<b>CO 2:</b> To understand the differing perceptions of interest in business related solutions
	<b>CO 3:</b> To present the concept of Corporate Social Responsibility and explore its relevance to ethical obligations and ethical ideals present in the relationship between employers and employees
	<b>CO 4:</b> To investigate whether ethics set any boundaries on competition , marketing, sales and advertising
<b>Course Code:</b> <b>KM570MJ</b> <b>Course Name:</b> <b>Elements of Knowledge Management</b>	<b>CO 1:</b> To develop Analytical and Research oriented skills among the students.
	<b>CO 2:</b> To understand value application and relevance of Knowledge management in today's corporate world.
	<b>CO 3:</b> To promote research and innovation ideas based on Knowledge Management.
	<b>CO 4:</b> To enhance knowledge level and practice of linking theoretical background with applied Social Science.
<b>M.Com. II Sem III</b>	
<b>Course Code: 301</b> <b>Course Name:</b> <b>Business Finance</b>	<b>CO 1:</b> To acquaint the students with corporate finance required for Indian Industries.
	<b>CO 2:</b> To make the students aware about the latest developments in the field of corporate finance.
	<b>CO 3:</b> To enable the students to understand the traditional theories of capitalization and dividend distribution practices.
	<b>CO 4:</b> To give detail exposure of working capital management practice of finance to students Skills to be developed:
<b>Course Code: 302</b> <b>Course Name:</b> <b>Research Methodology for Business</b>	<b>CO 1:</b> To acquaint the students with the areas of Business Research Activities
	<b>CO 2:</b> To enhance capabilities of students to conduct the research in the field of business and social sciences
	<b>CO 3:</b> To enable students in developing the most appropriate methodology for their research studies
	<b>CO 4:</b> To make them familiar with the art of using different research methods and techniques
<b>Course Code: 313</b> <b>Course Name: Human Resource Management</b>	<b>CO 1:</b> To understand the basic concepts of Human Resource Management and changing role of HRM in business.
	<b>CO 2:</b> To impart adequate knowledge and analytical skills in the field of HRM, HRP and development, Recruitment and Selection Process.
	<b>CO 3:</b> To understand the concepts of Training and Development, Performance Appraisal and Merit Rating.
	<b>CO 4:</b> To expose the students to the concept, significance and uses of the concepts like Retirement/ Retrenchment Strategies and Recent Trends in HRM
<b>Course Code: 314</b> <b>Course Name:</b> <b>Organizational</b>	<b>CO 1:</b> To make the students understand various concepts of organization behaviour
	<b>CO 2:</b> To provide in depth knowledge about process of formation of group behaviour in an organization set up
	<b>CO 3:</b> To know the motivational process and emotional intelligence.

<b>Behavior</b>	<b>CO 4:</b> To understand the concept of stress and conflict and effects of work culture
<b>M.Com. II Sem IV</b>	
<b>Course Code: 401</b> <b>Course Name: Capital market and Financial Services</b>	<b>CO 1:</b> To acquaint the students with working of capital market.
	<b>CO 2:</b> To make the students aware about the latest developments in the field of capital market in India.
	<b>CO 3:</b> To enable the students to understand various transactions in stock exchanges and agencies involved in it.
	<b>CO 4:</b> To give exposure of financial services offered by various agencies and financial adviser to students.
<b>Course Code: 402</b> <b>Course Name: Industrial Economics Environment</b>	<b>CO 1:</b> To provide knowledge about basic issues in Industrial Economic Environment to students.
	<b>CO 2:</b> To make students aware about Industrial pattern and growth in India and Industrial policies of India since independence.
	<b>CO 3:</b> To study the progress and current problems of major industries in India.
	<b>CO 4:</b> To understand the concept of Economic Environment & its Constituents.
<b>Course Code: 413</b> <b>Course Name: Recent Advances in Business Administration</b>	<b>CO 1:</b> . To familiarize the students with the recent advancements in business administration
	<b>CO 2:</b> To develop an understanding about tools and their application in the business.
	<b>CO 3:</b> To understand the basic concepts of Change Management and their approaches.
	<b>CO 4:</b> To impart adequate knowledge and analytical of cross cultural Management.
<b>Course Code: 414</b> <b>Course Name: Project Work</b>	<b>CO 1:</b> The students will aware about research
	<b>CO 2:</b> To track the current progress of the project
	<b>CO 3:</b> Reporting on risks also makes it easier for the team to work on the problem.
	<b>CO 4:</b> Information provided by project reporting on completed tasks can inform future actions.



  
**Head**  
**Department of Commerce**  
**ACS & Comp.Sci. College, Ashvi Kd.**

**Department of Zoology**

**Course Outcomes and Program Specific Outcomes**

<b>Sr. No.</b>	<b>Programme</b>	<b>Course Outcome</b>	<b>Programme Specific Outcome</b>
<b>1</b>	<b><i>B.Sc. Zoology</i></b>	<ol style="list-style-type: none"><li>1. To learn the diagnostic characters of different phyla through brief studies of examples.</li><li>2. To help students build-up a progressive and successful career in Zoology</li><li>3. To create basic knowledge about cell and its organelles</li><li>4. The student will be able to understand classify and identify the diversity of animals.</li><li>5. The working in nature to save environment will help development of leadership skills to promote betterment of environment</li><li>6. Describe importance biology and management of bees. Silkworm. Fisher</li><li>7. Getting an overview of typical examples in each phyla</li><li>8. Apply knowledge on bee biology and management to the development of the bee and Sericulture industry in tropical environment.</li></ol>	<ol style="list-style-type: none"><li>1. After completion of program, students will be able to have in-depth knowledge of basic concepts in Zoology.</li><li>2. Students develop aptitude of doing research through undertaking small projects.</li><li>3. Student will have set his foundation to pursue higher education in Zoology.</li><li>4. After completing the program student will have developed interdisciplinary approach and can pursue higher studies in subjects other than Zoology</li></ol>




**Program offered: F.Y.B.Sc**

Sr. No.	Class	Course	Course Outcome
1	F.Y.B.Sc	Zoology-I: ZO-111 and 121-Animal Diversity I & II (2019 Pattern)	<ol style="list-style-type: none"><li>1. The student will be able to understand classify and identify the diversity of animals.</li><li>2. The student understands the importance of classification of animals and classifies them effectively using the six levels of classification.</li><li>3. The student knows his role in nature as a protector, preserver and promoter of life which he has achieved by learning, observing and understanding life.</li></ol>
2	F.Y.B.Sc	Zoology -II: ZO-112 and 122-Animal Ecology and Cell Biology (2019 Pattern)	<ol style="list-style-type: none"><li>1. The learners will be able to Identify and critically evaluate their own beliefs, values and actions in relation to professional and societal standards of ethics and its impact on ecosystem and biosphere due to the dynamics in population.</li><li>2. To understand anticipate, analyse and evaluate natural resource issues and act on a lifestyle that conserves nature.</li><li>3. The Learner understands and appreciates the diversity of ecosystems and applies beyond the syllabi to understand the local lifestyle and problems of the community.</li><li>4. The learner will be able to link the intricacies of food chains, food webs and link it with human life for its betterment and for non-exploitation of the biotic and abiotic components.</li><li>5. The working in nature to save environment will help development of leadership skills to promote betterment of environment</li><li>6. The learner will understand the importance of cell as a structural and functional unit of life.</li><li>7. The learner understands and compares between the prokaryotic and eukaryotic system and extrapolates the life to the aspect of development.</li><li>8. The dynamism of bio membranes indicates the dynamism of life. Its working mechanism and precision are responsible for our performance in life.</li></ol>
3	F.Y.B.Sc	Practical Course-III: ZO- 113 and 123- Practical (2019 Pattern)	<ol style="list-style-type: none"><li>1. To understand the Animal diversity around us.</li><li>2. To understand the underlying principles of classification of Animals.</li><li>3. To understand the terminology needed in classification.</li><li>4. To understand the differences and similarities in the various aspects of classification.</li><li>5. To classify invertebrates and to be able to understand the possible group of the invertebrate observed in nature to understand our role as a caretaker and promoter of life.</li><li>6. The cellular mechanisms and its functioning depend on endo-membranes and structures. They are best studied with microscopy.</li></ol>
4	F.Y.B.Sc	Certificate Course Sericulture	<ol style="list-style-type: none"><li>1. We get to learn about the various skills that are necessary for self employment in the mulberry and seed production.</li><li>2. Course gives us employment and job opportunities in the</li></ol>

			public, private and government sector. 3. Knowledge about the cultivation of mulberry, maintenance of the farm, seed technology, silkworm rearing and silk reeling.
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**Program offered: S.Y.B.Sc**

Sr. No.	Class	Course	Course Outcome
1	S.Y.B.Sc	Course-I ZY-221- Animal Syatematics and Diversity-III and IV	1. Compare and contrast asymmetry, radial symmetry and bilateral symmetry. 2. Student will be able to differentiate between chordate and non chordate. 3. Understanding the basics of systematic by learning the diagnostic and general characters of various groups 4. Getting an overview of typical examples in each phyla
2	S.Y.B.Sc	Course-II ZY-222- Applied zoology- I and II	1. Describe importance biology and management of bees. Silkworm. Fisher 2. Apply knowledge on bee biology and management to the development of the bee and Sericulture industry in tropical environment.
3	S.Y.B.Sc	Practical Course-ZY-223- Practical	1. Student will be able to identify and classify the given animal. 2. Explain the process of growth and development in individuals and population. 3. Apply knowledge on bee biology and management to the development of the bee and Sericulture industry in tropical environment.

  
 Head  
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 Pravara Rural Education Society's  
**Arts, Commerce, Science and Computer Science College, Ashvi Kd.**  
**Department of Botany**

**Course Outcomes and Program Specific Outcomes**


Sr. No.	Programme	Course Outcome	Programme Specific Outcome
1	BSc Botany	1.Critical Thinking: The curriculum is designed made for the betterment of the students, enhance their ability and thinking power.	1.To provide thorough knowledge about various plant groups from primitive to highly evolved.
		2. Effective Communication: the complete medium of program is in English so as to make students communicate in the same.	2.To make the students aware of applications of different plants in various industries.
		3.Social Interaction: Due to frequent field visits in the interior parts students interact with the rural, tribal peoples will increase.	1. To focus the potential of the subject to become an entrepreneur. To equip the students with skills related to laboratory as well as field based studies 2. To make the students aware about conservation and sustainable use of plants 3. To create foundation for further studies in Botany 4. To address the socio-economical challenges related to plant sciences
		4.Effective Citizenship:	1. To facilitate students for taking up and shaping a successful career in Botany
		Being the botanist students have to communicate with number of people, so that it makes them more familiar as well as interactive	
		5.Ethics: The sense of Protecting plants is cultivated among the students.	
		6.Environment and Sustainability: Conservation practices are taught for sustainable development	
		7.Self-directed and Life-long Learning: Each and every aspect of the module teaches lifelong learning	

**Program offered: F.Y.B.Sc**

Sr. No.	Class	Course	Course Outcome
1.	<b>F.Y.B.Sc</b>	Botany- I: BO- 111- Plant diversity, Plant Morphology and Anatomy  (2013 Pattern)	1. To provide thorough knowledge about various primitive to highly evolved plant groups.
2	<b>F.Y.B.Sc</b>	Botany-II: BO-112- Industrial Botany (2013 Pattern)	1. To make the students aware of applications of different plants in various industries.  2. To highlight the potential of these studies to become an entrepreneur.
3	<b>F.Y.B.Sc</b>	Practical Course-III: BO- 113- Practical (2013 Pattern)	1. To get acquainted with the subject in live form and visits to industries. To make the students aware about conservation and sustainable use of plants.
4	<b>F.Y.B.Sc</b>	Botany -I: BO- 111and 121- Plant life & Utilization I & II  (2019 Pattern)	1. Recognize the major groups of non-vascular plants  2. Understand the diversity among the non-vascular plants  3. At ease with the general features, classification, and life cycle patterns in non-vascular plants  4. Distinguish the major groups of vascular plants  5. Understand the diversity among the vascular plants  6. At ease with the general features, classification, and life cycle patterns in vascular plants  7. Know the economic and ecological importance of vascular plants
5	<b>F.Y.B.Sc</b>	Botany II: BO-112 and 122- Plant morphology & Anatomy and Principle Plant Science (2019 Pattern)	1. Understand plant morphology 2. Understand basics of floral morphology 3. Understand how plant morphology relates to plant reproduction 4. Understand significance of morphological modifications of plant parts 5. Identify various plant tissues and tissue systems 6. Understand the relation between form, structure and function of plant organs 7. Differentiate between stem and root on the basis of internal organization
6	<b>F.Y.B.Sc</b>	Practical Course-III: BO- 113 and 123- Practical (2019 Pattern)	1. Distinguish between different plant groups 2. Make a thorough background for a course on Plant Systematics

**Program offered: S.Y.B.Sc**

Sr. No.	Class	Course	Course Outcome
1	S.Y.B.Sc	Course-I BO-211 & 221- Taxonomy of Angiosperms and Plant community & Plant Anatomy and Embryology	1.To provide thorough knowledge about various highly evolved plant groups and their community structure  1. Internal structure will be observed for further studies as well as to study the developmental pattern of plant
2	S.Y.B.Sc	Course-II BO-212 & 222 : Plant Physiology & Plant Biotechnology	1. To study the different metabolic process for synthesis of food material.  1. To study the techniques of multiplication and Nano techniques
3	S.Y.B.Sc	Practical Course- Bo- 223- Practical	1. To equipped the students with skills related to laboratory as well as field based studies.

  
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## DEPARTMENT OF PHYSICS

### Course Objectives F. Y. B. Sc

Year	Course Name	Course Objectives
<b>2019-20 CBCS Pattern</b>		
<b>FYBSc Physics 2019-20 CBCS Pattern SEM-I</b>	PHY-111 Mechanics & properties of matter	To get the thorough understanding about Work, Energy, forces, velocity, acceleration which help student in their day to day life.
		To allow students to get the information about the rotating bodies.
		To get the knowledge about Surface tension, Viscosity and application of elasticity and surface tension in day to day life.
	PHY-112 Physics Principles and Application	To understand the general structure of atom, spectrum of hydrogen atom
		To understand the atomic excitation and LASER principles.
		To understand the bonding mechanism and its different types.
		To demonstrate an understanding of electromagnetic waves and its spectrum.
		To understand the types and sources of electromagnetic waves and applications.
		To demonstrate quantitative problem solving skills in all the topics covered.
	PHY-113 Physics Laboratory-IA	To understand the mechanics and properties of matter and physics principles experimentally
		To acquire the complementary skills of collaborative learning and teamwork in laboratory settings.
<b>FYBSc Physics 2019-20 CBCS Pattern SEM-II</b>	PHY-121 Heat and Thermodynamics	To study the Laws of Thermodynamics
		To understand the different types of thermometry
		To study Mechanism of Refrigeration
	PHY-122 Electricity and Magnetism	To understand the concept of the electric force, electric field and electric potential for stationary charges.
		To be able to calculate electrostatic field and potential of charge distributions using Coulomb's law and Gauss's law.
		To understand the dielectric phenomenon and effect of electric field on dielectric.
		To Study magnetic field for steady currents using Biot-Savart and

		Ampere's Circuital laws.
		To study magnetic materials and its properties.
		To demonstrate quantitative problem solving skills in all the topics covered.
	PHY-123 Physics Laboratory-IB	To understand the heat and thermodynamics and electricity and magnetism experimentally
		To acquire the complementary skills of collaborative learning and teamwork in laboratory settings.

  
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## Department of Chemistry

### M.Sc Chemistry

#### Programme Outcomes (POs)

PO No.	PO Statement After completing the Master of Science degree students are able to	Knowledge and Skill
PO-1	Learn the terms, theories, assumptions, methods, principles, theorem statements and classification	Disciplinary knowledge
PO-2	Fix out the problem and resolve it using theories and practical knowledge.	Critical thinking and Problem solving
PO-3	Inculcate knowledge for carrying projects and advanced research related skills.	Research related skill
PO-4	Actively participate in team on case studies and field-based situations.	Cooperation/Team work
PO-5	Analyze and interpret ideas, evidences and experiences with learned scientific reasoning	Scientific reasoning
PO-6	Aware and implement the subject facts that can be applied for the personal and social development	Reflective thinking
PO-7	Use digital literacy to retrieve and evaluate subject related information	Information/Digitally literacy
PO-8	Get moral and ethical values for society as well as in research	Moral and ethical awareness
PO-10	Improve their managerial skills and abilities in subject related activities.	Leadership readiness/qualities
PO-11	Inculcate continuous learning habit through all available resources.	Lifelong readiness/qualities



### Programme Specific Outcomes (PSOs)

PO-No.	Outcomes	Component
PSO-1	Demonstrate a comprehensive knowledge of all disciplines.	Disciplinary knowledge
PSO-2	To assess and evaluate facts, claims and arguments using their scientific knowledge	Critical thinking
PSO-3	To define a problem, analyse, interpret and draw conclusion by planning, implementing and reporting the results of an experiment.	Research-related skills
PSO-4	To access, evaluate and apply a variety of useful sources	Information/digital literacy
PSO-5	To participate in multicultural society and communicate the subject knowledge for the betterment of society	Multicultural competence
PSO-6	To acquire knowledge and skills including “Learning how to learn” that are necessary in learning activities throughout life	Lifelong learning

### Course Outcomes (CO's)

Name of the Class	Course Code	Course Title	Course Outcomes
<b>Semester I</b>			
M.Sc. I	CHE- 501	Physical Chemistry I	<p>CO1: Students should be able to remember the concepts of thermodynamic parameters, quantum mechanical postulates, rate laws of chemical reactions and computation of macroscopic properties of matter.</p> <p>CO2: Students should understand the basics like state function and path function, Schrodinger wave equation, kinetics of fast reactions, partition functions and ensembles.</p> <p>CO3: Students should be able to apply the knowledge of various quantum mechanical methods to determine the different molecular properties and built the concept of the relation between thermodynamics and quantum mechanics</p> <p>CO4: Students should be able to analyze the rates of various chemical reactions both theoretically and experimentally and also observe the effect of catalyst and determine energies of activation of such reactions.</p> <p>CO5: Students should be able to evaluate variation of thermodynamic parameters for multi component systems and their variation with other extensive properties,</p>

			<p>Schrodinger wave equation and its application to hydrogen and hydrogen like atoms.</p> <p>CO6: Students should be able to create the solutions to avoid excess use of energy in chemical reactions by applying their knowledge of thermodynamics and chemical kinetics.</p>
M.Sc. I	CHEOD-502	Inorganic Chemistry-I	<p>CO-1: Define symmetry elements and symmetry operations, classes, properties of a group, group multiplication table, etc.</p> <p>CO-2: Classify symmetry elements, point group, Group, sub-group and classes.</p> <p>CO-3: Use wave function as basis for determination of irreducible representations and the Great Orthogonality theorem and its consequence.</p> <p>CO-4: Solve problem based on point group, matrix representation and character table</p> <p>CO-5: Construct character table of various point group</p> <p>CO-6: Justify which can take part in bonding on the basis of SALCs and point group of molecules.</p> <p>CO-1: Define electron deficient, electron precise and electron rich species, Pseudohalogens, Oxoacids and Oxidation state.</p> <p>CO-2: Describe special properties of fluorine, Nitrogen activation, Oxo acids</p>

			<p>of nitrogen, sulphur and phosphorous, synthesis and structure of xenon fluorides.</p> <p>CO-3: Explain term metal sulfides, selenides, tellurides, polonide, inter-halogens, Halogen oxides, Graphene, fullerenes and carbon nanotube.</p> <p>CO-4: Determine Oxidation states of nitrogen and their interconversion and application of crown ether in extraction of alkali and alkaline earth metal.</p> <p>CO-5: Differentiate between diamond and graphite, Pseudohalogens and interhalogens.</p> <p>CO-6: Classify the hydrides, borides and oxyacids and draw their structure.</p>
M.Sc. I	CHE-503	Organic Chemistry-I	<p>CO1: Understand the concepts of chemical bonding, various structural effects, acids and bases, intermediates and aromaticity.</p> <p>CO2: Learn the concepts of stereochemistry.</p> <p>CO3: Understand and identify the types of organic reactions.</p> <p>CO4: Advanced knowledge of various stereochemical aspects.</p> <p>CO5: Establish mechanistic knowledge of aliphatic and aromatic substitutions, and oxidation-reduction reactions.</p> <p>CO6: Develop problem solving ability of the students</p>

M.Sc. I	CHE- 504	Physical Chemistry Practical I	<p>CO1: Students will grasp the concept of reaction rate and its significance in Chemical Kinetics.</p> <p>CO2: Students will learn how to use experimental data to deduce rate laws and rate constants.</p> <p>CO3: Students will be familiar with the fundamental principles of colorimetry and spectrophotometry including Beer's law, Lambert- Beer's law and the relationship between absorbance and concentration.</p> <p>CO4: Students will be able to operate the instruments like spectrophotometer and colorimeter.</p> <p>CO5: Students will be able to determine the densities of the solutions and can calculate molar volumes</p>
M.Sc. I	CHE-505	Inorganic Chemistry Practical-I	<p>CO-1: Prepare solution of required conc. and the handle laboratory equipment properly.</p> <p>CO-2: Perform experiment accurately and able to perform calculation.</p> <p>CO-3: Explain experiment and principal of experiment in detail.</p> <p>CO-4: Perform calculations and discuss results and write conclusions of the experiment.</p> <p>CO-5: Apply knowledge to a) design experiment for given aim or modify experiment to enhance results. b) To find out lacuna in experimental procedure.</p>

			CO-6: Solve problem/numerical depending on given experimental data / information.
M.Sc. I	CHE-506	Organic Chemistry Practical I	<p>CO1: Understand the theoretical aspects behind separation, purification and synthesis of organic compounds.</p> <p>CO2: Acquire the experimental skills for separation, purification, identification and synthesis of organic compounds.</p> <p>CO3: Design experimental set up for performing the organic reactions.</p> <p>CO4: Monitor the organic reactions.</p> <p>CO5: Describe the mechanistic aspects of organic reactions.</p> <p>CO6: Develop problem solving ability.</p>
M.Sc. I	CHE-507(C)	Analytical Chemistry	<p>CO1: Define/memorize GLP, Lab Safety, Quality assurance</p> <p>CO2: Discuss good laboratory practices, laboratory emergencies, and mass spectrometry</p> <p>CO3: Apply their knowledge to prepare quality assurance reports, emergencies in the laboratory</p> <p>CO4: Differentiate between different ionization technique, compare hazardous and non-hazardous material handling</p> <p>CO5: Explain the Quality Assurance, Laboratory Accreditation, Laboratory</p>

			Emergencies, different ionization technique CO6: Applications of GLP, Lab Safety, mass spectrometry
M.Sc. I	CHE-508	Research methodology	<p>CO1: Develop a comprehensive understanding of different research methodologies and their applications in mathematics.</p> <p>CO2: Cultivate critical thinking and analytical skills necessary for identifying research problems and formulating research questions.</p> <p>CO3: Provide practical experience in designing experiments, collecting and analyzing data, and interpreting research results.</p> <p>CO4: Foster effective communication skills for presenting research findings orally and in written form.</p> <p>CO5: Promote ethical research practices and awareness of responsible conduct in mathematical research</p> <p>CO5; Develop problem solving ability.</p>
<b>Semester II</b>			
M.Sc. I	CHEOD- 551	Molecular Spectroscopy	<p>CO1: Remember basic concepts of molecular spectroscopy, selection rules, and intensity of spectral lines and width of spectral transition.</p> <p>CO2: Understand principles and applications of rotational, vibrational, raman, electronic and mossbauer spectroscopy.</p>

			<p>CO3: Apply various spectroscopic techniques for gaining insights into molecular structure</p> <p>CO4: Analyse vibrating diatomic molecule, simple harmonic and anharmonic oscillator, Scattering of light and Raman Spectrum.</p> <p>CO5: Evaluate bond length, vibrational frequency, force constant and dissociation energy using spectral data.</p> <p>CO6: Create awareness about rotational fine structure, vibrational coarse structure, Quadrupole effects</p>
M.Sc. I	CHE-552	Inorganic Chemistry-II	<p>CO-1: Define R. S. term, configuration, microstate, paramagnetic, diamagnetic ferromagnetic, antiferromagnetic, Curie and Neel temperature.</p> <p>CO-2: Identify complex ions showing same R.S. terms, degeneracy of ground state terms of metal ions, and spin multiplicities of different configurations.</p> <p>CO-3: Interpret electronic spectra for spin allowed Oh and Td complexes using Orgel diagram, Magnetic properties of A, E and T ground terms in complexes and selection rules.</p> <p>CO-4: Calculate frequencies of absorption spectrum, <math>10Dq</math>, Racah and nephelauxetic parameter for a complex, and magnetic moments of complexes</p>



			<p>CO-5: Construct microstate table for various configuration and prepare correlations diagram and Tanabe-Sugano diagram for various configurations in Td and Oh ligand field.</p> <p>CO-6: Assess appropriate full spectroscopic terms for various configuration/ion/term.</p> <p>CO-7: Define metalloproteins, metallo-enzymes, photosynthesis, HSAB concept, nucleic acids, metalloregulation, Biopolymer effects and acetylcholine receptor.</p> <p>CO-8 : Explain chelate effect and Irving-William series, pKa values of coordinated ligands, Tuning of redox potential, and Reactions of coordinated ligands.</p> <p>CO-9: Describe Fe-S clusters, model compounds and spontaneous self-assembly, metals in medicine, blue copper proteins, and cytochromes, and Na/K pumps.</p> <p>CO-10: Express nitrogen fixation, detoxification of mercury, structure of RNA, cis-platin, amino acids, siderophore, and calmodulin zinc finger proteins.</p> <p>CO-11: Distinguish between hemoglobin and myoglobin, transferrin and ferritin, photosystem-I and photosystem-II.</p>
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			CO-12: Decide role of metals in biological system, medicine, blood coagulation, oxygen storage and transport, photosynthesis and uptake and transport of iron
M.Sc. I	CHE-553	Organic Chemistry-II	<p>CO1: Understand the concepts of pericyclic and photochemical reactions, and molecular rearrangements</p> <p>CO2: Learn concepts of Organic Spectroscopy.</p> <p>CO3: Identify the type of pericyclic and photochemical reactions</p> <p>CO4: Solve the problems based on pericyclic and photochemical reactions and molecular rearrangements</p> <p>CO5: Deduce the structure from the spectral data and justify the findings.</p> <p>CO6: Develop problem solving ability of the students.</p>
M.Sc. I	CHE- 554	Physical Chemistry Practical II	<p>CO1: Students will grasp the fundamental principles of Conductometry, Polarography, Potentiometry and pH metry.</p> <p>CO2: Students will familiar with the operation of Conductometer, Polarimeter, Potentiometer and pH meter.</p> <p>CO3: Students will understand the concepts of conductance, resistance and learn how to calculate and interpret these values.</p> <p>CO4: Students will learn to interpret polarographic waves and understand their significance in identifying</p>

			<p>electroactive species and determining their concentration.</p> <p>CO5: Students will explore the applications of Potentiometry in various fields such as acid- base titrations, determination of pH and analysis of ionic concentration</p>
M.Sc. I	CHE-555	Inorganic Chemistry Practical-II	<p>CO-1: Define coordination complex, cell constant, resistance, specific conductance, equilibrium constant, absorbance, Beer's law, solubility product, chromatography, etc.</p> <p>CO-2: Discuss photochemistry of potassium trioxalatoferrate complex, kinetics of formation of Cr(III)-EDTA, Determination of Cu(II) and Fe (II) by solvent extraction technique.</p> <p>CO-3: Outline the flow-chart for synthesis of [Mn(acac)<sub>3</sub>], Chloropentaamminecobalt(III) chloride, Nitro pentaamminecobalt(III) chloride, Bis[TrisCu(I)thiourea complexes.</p> <p>CO-4: Estimate purity of the [Mn(acac)<sub>3</sub>], Chloropentaamminecobalt(III) chloride, Nitro pentaamminecobalt(III) chloride, Bis[TrisCu(I)thiourea complexes. CO-5: Determine equilibrium constant of M – L systems Fe(III)– Sulphosalicylic acid, magnetic susceptibility (<math>\chi_g</math> and <math>\chi_m</math>) of mercury tetracyanato cobalt or Fe(acac) and magnetic</p>

			<p>susceptibility (<math>\chi_g</math> and <math>\chi_m</math>) of mercury tetracyanato cobalt or Fe(acac).</p> <p>CO-6: Calculate the quantity from observation of the experiments and Interpret the result obtained respective experiments.</p>
M.Sc. I	CHE-556	Organic Chemistry Practical II	<p>CO1: Understand the theoretical concepts behind organic synthesis.</p> <p>CO2: Acquire the experimental skills for separation, purification, identification and synthesis of organic compounds.</p> <p>CO3: Design experimental set up for performing the organic reactions.</p> <p>CO4: Monitor the organic reactions and analyse the products using spectral results.</p> <p>CO5: Describe the mechanistic aspects of organic reactions.</p> <p>CO6: Develop problem solving ability.</p>
M.Sc. I	CHEOD-557 (D)	Nuclear and Radiation Chemistry	<p>CO1: Remember basic concepts of radioactive decay, decay kinetics and Interaction of radiation with matter.</p> <p>CO2: Understand concepts of nuclear and radiation Chemistry, radiolysis of water, the process of nuclear fission and fission fragments.</p> <p>CO3: Nuclear chemistry applications: reaction mechanism, medical treatment, isotopic labelling, and carbon dating.</p>

			<p>CO4: Study units for measuring radiation absorption, interaction of <math>\gamma</math> radiation with matter and radiation dosimetry.</p> <p>CO5: Use proper isotopic notation to write down and balance a nuclear reaction. State and compare the differences and similarities between a nuclear change and a chemical change.</p> <p>CO6: Identify and define various types of nuclear changes or processes including fission and decay reactions.</p>
M.Sc. I	CHEPIA-557 (D)	Pericyclic Reactions and Photochemistry	<p>Understand the concepts of pericyclic and photochemical reactions.</p> <p>CO2: Identify the type of pericyclic and photochemical reactions.</p> <p>CO3: Understand and identify the types of organic reactions.</p> <p>CO3: Provide the solutions by analysing the reaction conditions.</p> <p>CO4: Solve the problems based on pericyclic and photochemical reactions.</p> <p>CO5: Design the appropriate synthetic routes</p> <p>CO6: Develop problem solving ability of the students.</p>

## M.Sc II Analytical chemistry

Course	Outcomes
	After completion of these courses students should be able to:
<b><u>Semester-III</u></b>	
<b>CHA-390</b>	CO-1. Study of coulometry, Faraday law, Faraday law.
<b>Electrochemical and Thermogravimetric Method of Chemical Analysis</b>	CO-2. Study of voltametry and paleographic method of analysis, heterodynamic voltametry, plus paleography and cyclic voltametry. CO-3. Study of amperometry and their applications. CO-4. Learn radio analytical methods of analysis, activation analysis, isotope dilution analysis, radio metric titration. CO-5. Understand thermal methods of analysis TGA, DTA, DSC.
<b>CHA-391 Analytical Method Development and Extraction</b>	CO-1. Study of Assay validation and Inter laboratory Transfer. CO-2. Study of Validation Parameter: Accuracy, Precision, Mean and Standard deviation, calibration response function CO-3. Study of Overview of world-wide regulation CO-4. Study of Dissolution Studies, USP- type I, USP –II
<b>CHA-392 : Advanced Chromatographic Methods Of Analysis</b>	CO-1. Define / understand various terms in chromatography (GC and HPLC) and mass spectroscopy. CO-2. Explain instrumentations in chromatography (GC and HPLC) and mass spectroscopy. CO-3. Explain / describe i) basic principles of chromatography (GC and HPLC) and mass spectroscopy. ii) separation in GC / HPLC column. iii) Functioning and construction of GC /HPLC/ MS detectors. CO-4. Explain /Describe applications chromatography (GC and HPLC) in industry and in analytical laboratory. CO-5. Apply / select particular method / instrumental parameters for analysis for sample GC / HPLC. CO-6. Solve numerical problems on chromatography (GC and HPLC) and mass spectroscopy. CO-7. Integrate GC and HPLC chromatogram, Mass spectrum CO-8. Differentiate among the chromatography

<b>CHA-393 B) Analysis of Food and Controlled Substances</b>	<p>CO-1. Define / understand various terms in food analysis techniques and methods, forensic science and drug substances.</p> <p>CO-2. Explain methods and principles of analysis of i) Food -carbohydrates, proteins, preservatives, ii) drug substances.</p> <p>CO-3. Select appropriate methods of food analysis for its quality.</p> <p>CO-4. Select appropriate methods for identification of drug and analysis of drug from sample.</p> <p>CO-5. Select and describe the parameters required for food quality.</p> <p>CO-6. Solve numerical problems on analysis food and drug substances.</p> <p>CO-7. Interpret food quality and drug substances from analytical results.</p> <p>CO-8. Differentiate among the different methods of analysis of food and drug substances</p>
<b>CHA-394 Analysis of materials</b>	<p>CO-1. Maintain proper record of analytical data in notebook. Observer personal safety in laboratory and able handle all chemicals, instruments, etc safely in laboratory.</p> <p>CO-2. Define / understand various terms involved practical methods of quantitative analysis.</p>
	<p>CO-3. Explain instrumentations of colorimeter, spectrophotometer, photoflurometer, TGA, HPLC, GC, Flame-photometer, CV, AAS, etc.</p> <p>CO-4. Explain / describe basic principles of chromatography different instrumental methods of analysis. Able to handle particular instrument according to SOP.</p> <p>CO-5. Design / modify and validate new analytical method for chemical analysis of particular sample.</p> <p>CO-6. Apply / select particular method / instrumental parameters for analysis of given sample.</p> <p>CO-7. Give mathematical treatment to analytical data and able to interpret the results accurately.</p> <p>CO-8. Verify theoretical principle practically or apply theory to explain practical observations.</p> <p>CO-9. To conclude the results able to take the decision regarding quality of sample.</p> <p>CO-10. Differentiate among the various analytical methods / techniques of chemical analysis.</p>
<p style="text-align: center;"><b><u>Semester-IV</u></b></p>	

<p><b>CHA-490: Advanced Analytical Spectroscopic Techniques</b></p>	<p>CO-1. Define / understand various terms in atomic absorption, atomic emission, fluorescence, ESR and electron spectroscopy.</p> <p>CO-2. Explain instrumentation of atomic absorption, atomic emission, ICPAES, ICPAES-MS, fluorescence, ESR and electron spectroscopy.</p> <p>CO-3. To describe basic principles of atomic absorption, atomic emission, ICPAES, ICPAES-MS, fluorescence, ESR and electron spectroscopy.</p> <p>CO-4. Select appropriate methods for sample treatment in AAS / AES, ICPAES, ICPAES-MS.</p> <p>CO-5. Explain advantages of ICPAES-MS over AES spectroscopy, fluorescence spectroscopy.</p> <p>CO-6. Solve numerical problems on analysis all these spectroscopic methods.</p> <p>CO-7. Interpret ESR spectra, super hyperfine splitting and g value in ESR, and parameters affecting it</p> <p>CO-8. Calculate theoretical parameters from ESR data and characterize compound.</p> <p>CO-9. Solve problems based on atomic absorption, atomic emission, ICPAES, ICPAES-MS, fluorescence, ESR and electron spectroscopy.</p>
<p><b>CHA-491 Chemical Methods of Pharmaceutical s Analysis</b></p>	<p>CO-1. Define / understand various terms in pharmaceutical raw material and finished product analysis.</p> <p>CO-2. Explain various pharmaceutical dosage forms and types of raw materials used.</p> <p>CO-3. To describe basic principles of methods of pharmaceutical analysis according to IP.</p> <p>CO-4. Explain importance particular test in pharmaceutical raw material and finished product analysis.</p>
	<p>CO-5. Perform and explain importance of limit tests, identification tests and microbiological limit test of raw materials and finished products.</p> <p>CO-6. Solve numerical problems on analysis pharmaceutical raw material and finished product analysis.</p> <p>CO-7. Interpret IR spectra, HPLC chromatogram, UV-Visible spectra of pharmaceutical materials.</p> <p>CO-8. To perform total analysis of pharmaceutical raw material and finished product analysis according to IP / BP / USP.</p> <p>CO-9. Standardize analytical instruments according IP /BP/ USP.</p> <p>CO-10. Take a decision on the basis of analytical results regarding quality of raw materials so that material can be accepted for production or rejected.</p>



<b>CHA-492: Analytical Chemistry of agriculture, Polymer and Detergents</b>	<p>CO-1. Define / understand various terms in soil analysis, pesticide residue analysis, detergent analysis and polymer analysis.</p> <p>CO-2. Explain / describe techniques / methods of soil analysis, pesticide residue analysis, detergent analysis and polymer analysis.</p> <p>CO-3. To describe basic principles techniques / method soil analysis, pesticide residue analysis, detergent analysis and polymer analysis.</p> <p>CO-4. Explain importance of soil analysis, pesticide residue analysis, detergent analysis and polymer analysis.</p> <p>CO-5. Choose suitable method / techniques to characterize quality of soli polymer and detergent.</p> <p>CO-6. Describe / explain results of analysis soil, pesticide residue, detergent and polymer.</p> <p>CO-7. Solve numerical problems on analysis soil, pesticide residue, detergent and polymer.</p> <p>CO-8. Draw conclusion regarding soil, detergent and polymer quality from analytical results.</p>
<b>CHA-493 A Practical III Optional Analytical Chemistry Practical</b>	<p>CO-1. Maintain proper record of analytical data in notebook. Observer personal safety in laboratory and able handle all chemicals, instruments, etc safely in laboratory.</p> <p>CO-2. Define / understand various terms involved practical methods of quantitative analysis.</p> <p>CO-3. To analyze organic and inorganic materials using appropriate chemical / instrumental methods</p> <p>CO-4. Explain / describe basic principles of chemical / instrumental methods used for analysis. Able to handle particular instrument according to SOP.</p> <p>CO-5. Perform analysis of sample with described procedure. Able to handle analytical instruments.</p> <p>CO-6. Apply / select particular method / instrumental parameters for analysis of given sample.</p> <p>CO-7. Maintain appropriate reaction conditions as described in procedures.</p>
	<p>CO-8. To perform i) selective analysis of particular component from sample.</p> <p>ii) Analysis at trace level from sample.</p> <p>CO-9. To conclude the results able to take the decision regarding quality of sample.</p> <p>CO-10. To perform calculations and interpret the results.</p>

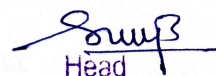
<b>CHA-493 B Project</b>	<p>CO-1. Maintain proper record of analytical data in note book for research purpose.</p> <p>CO-2. Perform review of literature related to the topic of project work and design the problem for project work.</p> <p>CO-3. Decide and describe methodology for problem to solve proposed problem in the form of project. Decide and perform application of research work.</p> <p>CO-4. To design experiment for research work. Collect the resources, design small equipment, etc. for completion of research work.</p> <p>CO-5. Collect experimental data (raw data) and analyze the data in the perspective of problem. Present data in graphical forms for the conclusive results.</p> <p>CO-6. Use computer as a tool for result analysis, presentation and writing the project.</p> <p>CO-7. To obtain concrete conclusion from the results on the basis of reported theory / research work and analytical results.</p> <p>CO-8. To perform report writing, scientifically.</p> <p>CO-9. To write research project / paper in scientific manner.</p>
<b>CHA-494 Practical III Applied Analytical Chemistry</b>	<p>CO-1. Maintain proper record of analytical data in notebook. Observer personal safety in laboratory and able handle all chemicals, instruments, etc safely in laboratory.</p> <p>CO-2. Define / understand various terms involved practical methods of quantitative analysis.</p> <p>CO-3. To analyze organic and inorganic materials using appropriate chemical / instrumental methods</p> <p>CO-4. Explain / describe basic principles of chemical / instrumental methods used for analysis. Able to handle particular instrument according to SOP.</p> <p>CO-5. Perform analysis of sample with described procedure. Able to handle analytical instruments.</p> <p>CO-6. Apply / select particular method / instrumental parameters for analysis of given sample.</p> <p>CO-7. Maintain appropriate reaction conditions as described in procedures. CO-8. To perform i) selective analysis of particular component from sample. ii) Analysis at trace level from sample.</p> <p>CO-9. To conclude the results able to take the decision regarding quality of sample.</p> <p>CO-10. To perform calculations and interpret the results</p>

## M.Sc II Organic Chemistry

<b>SEM- III</b>	
<b>CHO-350: Organic Reaction Mechanism and Biogenesis</b>	<p>CO-1 To understand reaction mechanism</p> <p>CO-2 To study generation, stability, reactivity of free radicals.</p> <p>CO-3 Understand free radical substitution, addition to multiple bonds, radical in synthesis.</p> <p>CO-4 To study linear free energy relationship.</p> <p>CO-5 To study Mono. Sesqui- Di, Tri-terpenoids Student must be able to derive ornithine lysine, Nicotinic acid, tryptophan from alkaloids</p> <p>CO-6 Isolation of alkaloids from the roots of piper nigrum.</p>
<b>CHO-351 Spectroscopic methods in structure determination</b>	<p>CO-1. Study <math>^1\text{H}</math> NMR Spectroscopy: Chemical Shift, deshielding, correlation for protons bonded to carbon and other nuclei.</p> <p>CO-2. Study of <math>^{13}\text{C}</math> NMR spectroscopy: FT- NMR, type of <math>^{13}\text{C}</math> NMR spectra, proton decoupled, off resonance, APT, INEPT, DEPT, Chemical shift, nuclear and hetero nuclear coupling constant</p> <p>CO-3. 2D NMR techniques: COSY, homo and hetero nuclear 2D resorts spectroscopy, NOESY and the applications</p> <p>CO-4. Study of mass spectrometry: Instrumentation, various methods of ionization, SIMS, FAB, MALDI. Different detectors rules of fragmentations of different functional groups</p>
<b>CHO-352 Stereochemistry and Asymmetric Synthesis of Organic Compound</b>	<p>Co.1. To study conformations of polysubstituted cyclohexane six member ring with <math>\text{SP}^2</math> Carbon</p> <p>CO.2. To study stereochemical principles involved in reactions of six member ring and other than six-member ring</p> <p>CO.3. Study stereochemistry of fused and bridge ring system</p> <p>CO.4 To understand asymmetric synthesis, chiral pool and chiral auxiliaries</p> <p>CO.5 to study transition metal catalyzed homogenous asymmetric hydrogenation</p>

<b>CHO-353</b> <b>Protection –Deprotection,</b> <b>Chiron approach and</b> <b>Carbohydrate</b>	CO-1. Study of protection and deprotection in ketone and aldehyde. CO-2. Study of Protection and deprotection in amine. CO-3. To understand the concept of Chiral templates. CO-4. Study of concept of Glycosyl Donor and acceptor. CO-5 Study the synthesis of Glycosides. CO-6 To Understand intramolecular Glycosylation.
<b>CHO –354</b> <b>Practical-I</b> <b>Solvent Free Organic</b> <b>Synthesis</b>	CO -1 Study of solvent free carbon carbon bond formation in different reaction CO.2. Study of Beckmann Rearrangement in Nitrogen Nitrogen bond formation CO-3. To understand oxidative coupling of Thiol by using MnO <sub>2</sub> CO-4. Study of solvent free supra molecular assembly formation
<b><u>Semester-IV</u></b>	
<b>CHO-450</b> <b>Chemistry of Natural</b> <b>Products</b>	CO-1. Learn different synthesis of heterocycles like. CO-2. Understand the stereochemistry of complex compound. CO-3. Knowledge of name reaction in synthesis. CO-4. Study of different applications of name reactions. CO-5. To understand the use of various synthesis strategies in drug synthesis. CO-6. Study of recent drug development. CO-7. Study of synthetic strategies involved in preparation.
<b>CHO-451 Organometallic</b> <b>Reagents in Organic</b> <b>Synthesis</b>	CO-1 To study ring formation reaction CO-2 To understand criteria for Click Reaction. CO-3 To study the use of Boron and Silicon in Organic Synthesis. CO-4 To study carbon-carbon double bond formation reaction in organic synthesis. CO-5 To study transition metal complex in organic synthesis. CO-6 To understand mechanism for multi component Reaction. CO-7 To Study Metathesis in organic synthesis.

<b>CHO-452-Concepts and applications of Medicinal Chemistry</b>	CO-1. Understand the chemistry of peptides and proteins to study the catalytic activity of proteins as enzymes. CO-2. To study the nucleic acid mechanism. CO-3. Understanding of chemistry of vitamins in biological system. CO-4. To understand the drug design chemistry of diseases and drug development. CO-5. To studies the peptides sequencing in therapeutics. CO-6 To study the pharmacokinetics and pharmacodynamics of drugs.
<b>CHO-453 Carbohydrate synthesis and Natural Product Extraction</b>	CO-1 To separate ternary mixture by using ether solvent. CO-2 To carry out individual qualitative analysis of compound. CO-3 To find functional group CO-4 To find out the physical constants. CO-5 To Identify coloured pigments from plant material.
<b>CHO-454 Convergent and Divergent Organic Synthesis</b>	CO-1. To Study the Synthesis of 4-amino anisole from Anisole. CO-2. To Synthesize Pyrimidine from Acetyl acetone CO-3. To Synthesize dye from Beta-Naphthol



Head

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