



# SHIKSHAN MAHARSHI GURUVARYA R G SHINDE MAHAVIDYALAYA, PARANDA DIST. OSMANABAD (MS)-413502

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NAAC Reaccredited with 'A' grade with CGPA 3.15 in 3<sup>rd</sup> Cycle

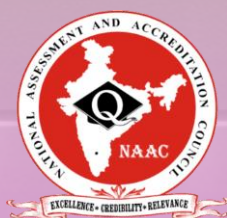
**AQAR 2020-21**

## **CRITERION 2**

### **TEACHING - LEARNING AND EVALUATION**

2.6.1 Teachers and students are aware of the stated programme and course outcomes of the programmes offered by the institution

Submitted to



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF MARATHI

<b>PSO1</b>	मध्ययुगीन काळातील सांस्कृतिक सामाजिक राजकीय परिस्थितीची ओळख झाली
<b>PSO2</b>	आधुनिक मराठी साहित्यातील विविध प्रवाहाची ओळख विद्यार्थ्यांना झाली।
<b>PSO3</b>	भाषाविज्ञान, व्याकरण या संदर्भातील पाश्चात्य आणि पौरात्य अभ्यासकांच्या मते त्यांचा परिचय झाला.
<b>PSO4</b>	दृक्श्राव्य माध्यम जाहिरात उपयोजित मराठी यामध्ये विद्यार्थी पारंगत झाला.
<b>PSO5</b>	पाश्चात्य आणि पौरात्य साहित्य विचारवंतांचा विचार लक्षात आला.

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

## COURSE OUTCOMES (CO): DEPARTMENT OF MARATHI

### Course Outcome (CO) for B. A. I

Course	Course Outcome		PSO	CL	KC
द्वितीय भाषा १ आणि २ गद्य पद्य आणि उपयोजित मराठी	CO1	मराठी वाङ्मयाची व भाषेची जाणीव विकसित होते			
	CO2	भाषिक कौशल्याचा विकास होतो			
	CO3	भाषेची व्यवहारातील महत्त्व समजते			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी काव्यात्म साहित्य १	CO1	भाषिक कौशल्याचा विकास झाला.			
	CO2	मराठी कथा व काव्याचे समीक्षण व रसग्रहण करतो.			



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	CO3	विविध साहित्य प्रकारची ओळख होते व त्यातील फरक स्पष्ट करू शकतो.			
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Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी नाट्यात्म साहित्य २	CO1	भाषिक कौशल्याचा (विशेषतः संवाद आणि लेखन कौशल्य) विकास होतो.			
	CO2	वाङ्मय प्रकाराचा परिचय व त्यातील समाज जीवनाच्या प्रतिबिंबाचा विचार करता येतो.			
	CO3	विविध साहित्य प्रकाराची ओळख होते व त्यातील फरक स्पष्ट करू शकतो.			
	CO4	लेखनातील विविध प्रारूपाचे आकलन होते.			
	CO5	आजच्या प्रगत मुद्रण पद्धतीतील नाविन्य पूर्ण बदलांचा सार्थ शोध घेता येतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी कथात्म साहित्य ३	CO1	भाषिक कौशल्याचा विकास झाला.			
	CO2	मराठी कथा व काव्याचे समीक्षण व रसग्रहण करतो.			
	CO3	विविध साहित्य प्रकाराची ओळख होते व त्यातील फरक स्पष्ट करू शकतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी मुद्रित माध्यमांसाठी लेखन कौशल्य ४	CO1	भाषिक कौशल्याचा (विशेषतः संवाद आणि लेखन कौशल्य) विकास होतो.			
	CO2	वाङ्मय प्रकाराचा परिचय व त्यातील समाज जीवनाच्या प्रतिबिंबाचा विचार करता येतो.			
	CO3	विविध साहित्य प्रकाराची ओळख होते व त्यातील फरक स्पष्ट करू शकतो.			
	CO4	लेखनातील विविध प्रारूपाचे आकलन होते.			



	CO5	आजच्या प्रगत मुद्रण पद्धतीतील नाविन्य पूर्ण बदलांचा सार्थ शोध घेता येतो.			
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**Course Outcome (CO) for B. A. II**

Course	Course Outcome		PSO	CL	KC
द्वितीय भाषा ३ आणि ४ साहित्य धारा (गद्य पद्य आणि उपयोजित मराठी)	CO1	मराठी वाङ्मयाची व भाषेची जाणीव विकसित होते.			
	CO2	भाषिक कौशल्याचा विकास होतो.			
	CO3	भाषेचे व्यवहारातील महत्व समजते.			
	CO4	वाङ्मय लेखकाच्या डोळस प्रवासाकडे त्याच्या कालाकृतीतूनच विद्यार्थ्यांना विस्ताराने पाहता येते.			
	CO5	जीवन कौशल्याचा विकास होतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी आधुनिक मराठी वाङ्मयचा इतिहास ५	CO1	आधुनिक मराठी वाङ्मयचा इतिहास ओळखतो आणि आठवतो.			
	CO2	दोन कालखंडातील एकाच वाङ्मय प्रकारावर तौलनिक विचार मांडतो.			
	CO3	वाङ्मय लेखक व काल क्रमिक विचार करतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी आधुनिक मराठी वाङ्मयचा इतिहास ६	CO1	आधुनिक मराठी वाङ्मयचा इतिहास ओळखतोसांगतो ,आठवतो .,			
	CO2	दोन कालखंडातील एकाच वाङ्मय प्रकारावर तौलनिक विचार मांडतो.			
	CO3	वाङ्मय लेखक व काल क्रमिक विचार करतो.			



Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी दृकश्राव्य माध्यमासाठी लेखन कौशल्य ७	CO1	भाषिक कौशल्याचा विकास (विशेषतः लेखन) होतो			
	CO2	कलाकृतीचे अंतरंग समजून घेतो.			
	CO3	दृकश्राव्य माध्यमाद्वारे भाषा विचार यांची/ अभिव्यक्ती करतो.			
	CO4	मराठी भाषा साहित्याचा परिचय करून घेतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी साहित्याचे माध्यमांतर ८	CO1	मराठी भाषा साहित्यातील प्रकारंतर करता येते.			
	CO2	विविध साहित्य प्रकारचे माध्यमांतर करता येते.			
	CO3	कथेचे पटकथेत रूपांतर करतो.			

**Course Outcome (CO) for B. A. III**

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी भारतीय साहित्य विचार ९	CO1	भारतीय साहित्याचा परिचय होतो व त्याचे रसग्रहण करतो.			
	CO2	भारतीय साहित्यातील समाज जीवनाच्या प्रतिबिंबाचा शोध घेतो.			
	CO3	नव्या व्याख्या उद्दिष्ट व जनक कारणांचा शोध घेता येतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी	CO1	भाषा शास्त्राचा सार्थ शोध घेतो.			



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भाषा विज्ञान १०	CO2	भाषेचा शास्त्रीय पातळीवर अभ्यास करतो.			
	CO3	विविध साहित्याप्रती अभिरुची वाढवतो.			
	CO4	भाषा आणि बोली यांचा परस्पर संबंध लक्षात येतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी मध्ययुगीन मराठी साहित्याचा इतिहास (प्रारंभ ते १६००) ११	CO1	यादव कालीन, सामाजिक, सांस्कृतिक, धार्मिक स्थिति-गती विद्यार्थ्यांच्या लक्षात आणून देते.			
	CO2	विविध ग्रंथरचना झाली, तिच्याबद्दल विद्यार्थ्यांना माहिती झाली.			

Course	Course Outcome		PSO	CL	KC
मुख्य मराठी भाषा प्रकल्प कार्य (भाग १) १२	CO1	प्रकल्प विषयक लेखनाची जाणीव विकसित होते.			
	CO2	लेखन व संशोधन कौशल्य विकसित होते.			
	CO3	तार्किक व विश्लेषणात्मक क्षमता विकसित होते			
	CO4	समीक्षणात्मक लेखन करू शकतो			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी पाश्चिमात्य साहित्य विचार १३	CO1	पाश्चिमात्य साहित्याचा परिचय होतो व त्याचे रसग्रहण करतो.			
	CO2	पाश्चिमात्य साहित्यातील समाज जीवनाच्या प्रतिबिंबाचा शोध घेतो.			
	CO3	नव्या व्याख्या उद्दिष्ट व जनक कारणांचा शोध घेता येतो.			

Course	Course Outcome		PSO	CL	KC
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ऐच्छिक मराठी व्याकरण आणि निबंध १४	CO1	व्याकरणाची माहिती होते.			
	CO2	उच्चार शास्त्राचे ज्ञान होते			
	CO3	विविध भाषिक कौशल्य आणि शैलीचा वापर करून अभिव्यक्ती करतो.			

Course	Course Outcome		PSO	CL	KC
ऐच्छिक मराठी मध्ययुगीन मराठी साहित्याचा इतिहास (१६०१ - १८००) १५	CO1	पाश्चिमात्य साहित्याचा परिचय होतो व त्याचे रसग्रहण करतो			
	CO2	पाश्चिमात्य साहित्यातील समाज जीवनाच्या प्रतिबिंबाचा शोध घेतो			
	CO3	नव्या व्याख्या उद्दिष्ट व जनक कारणांचा शोध घेता येतो.			

Course	Course Outcome		PSO	CL	KC
मुख्य मराठी भाषा प्रकल्प कार्य (भाग २) १६	CO1	प्रकल्प विषयक लेखनाची जाणीव विकसित होते.			
	CO2	लेखन व संशोधन कौशल्य विकसित होते.			
	CO3	तार्किक व विश्लेषणात्मक क्षमता विकसित होते			
	CO4	समीक्षणात्मक लेखन करू शकतो			

**Course Outcome (CO) for B. Com. I**

Course	Course Outcome		PSO	CL	KC
द्वितीय भाषा I (L .S) II & गद्य पद्य आणि उपयोजित मराठी	CO1	मराठी वाङ्मयाची व भाषेची जाणीव विकसित होते			
	CO2	भाषिक कौशल्याचा विकास होतो			
	CO3	भाषेची व्यवहारातील महत्त्व समजते			





**Course Outcome (CO) for B. Com. II**

Course	Course Outcome		PSO	CL	KC
द्वितीय भाषा (L.S) VI & III मराठी भाषा आणि वाणिज्य व्यवहार	CO1	वाणिज्य व्यवहारासाठी मराठी भाषेचे महत्व समजते.			

**Course Outcome (CO) for B. Com. III**

Course	Course Outcome		PSO	CL	KC
व्यावसायिक मराठी आणि वाणिज्य व्यवहार	CO1	वाणिज्य व्यवहारासाठी मराठी भाषेचे महत्व समजते.			





## PROGRAMME SPECIFIC OUTCOMES (PSOs): DEPARTMENT OF HINDI

### COURSE OUTCOMES (PSOs): DEPARTMENT OF HINDI

#### Course Outcomes (COs) B. A. I

Course	Course Outcome	PSO	CL	KC
हिंदी द्वितीय भाषा सामान्य हिंदी (SL)	CO1 छात्रों को हिंदी के प्रतिनिधी कहानी कारों से परिचित्र कराना ।			
	CO2 छात्रों को कहानी साहित्य एवं विकास का परिचय कराना ।			
	CO3 कथा यात्रा की कहानियों का संवेदना तथा शिल्पगत परिचय कराना ।			
	CO4 छात्रों को व्यंग्य का स्वरूप एवं विकास का परिचय कराना ।			
	CO5 हरिशंकर परसाई के व्यक्तित्व एवं कृतित्व का परिचय छात्रों को करानी ।			

Course	Course Outcome	PSO	CL	KC
Paper I उपन्यास साहित्य	CO1 छात्रों को उपन्यास साहित्य का परिचय देकर प्रतिनिधी उपन्यास कारों का परिचय देना ।			
	CO2 हिंदी साहित्य के प्रति छात्रों की रुचि बढ़ाना तथा साहित्य की, विविध विधाओं से परिचय कराना ।			
	CO3 छात्रों राष्ट्र के प्रति प्रेम एवं सामाजिक प्रतिबद्धता की भावना विकसित कराना ।			
	CO4 हिंदी उपन्यास में यशपाल का उपन्यास साहित्य से परिचय कराना ।			
	CO5 आपका बंटी मन्नु भंडारी लिखित उपन्यासे छात्रों को परिचय कराना ।			
	CO6 राष्ट्रीय ऐक्य सामाजिक उत्तरदायित्व, वैज्ञानिकता आदि मुल्यों के प्रति, छात्रों का ध्यान आकर्षित करना ।			



Course		Course Outcome	PSO	CL	KC
Paper II नाटक साहित्य	CO1	हिंदी नाटक तथा रंगमंच का अध्ययन			
	CO2	संवदेना का विकास			
	CO3	नाट्य स्वादन तथा नाट्यालोचन क्षमता का विकास			
	CO4	व्याख्यान			
	CO5	दृक-श्रव्य साधनों का प्रयोग			
	CO6	नाट्य पठन और प्रस्तुती			
	CO7	नाट्यलोचन का अभ्यास			
	CO8	छात्रों को नाटक साहित्य का परिचय कराना			

Course		Course Outcome	PSO	CL	KC
Paper III हिन्दी गद्य साहित्य	CO1	छात्रों को हिंदी के प्रतिनिधी कहानी कारों से परिचित्र कराना			
	CO2	छात्रों को कहानी साहित्य एवं विकास का परिचय कराना			
	CO3	कथा यात्रा की कहानियों का संवदेना तथा शिल्पगत परिचय कराना			
	CO4	छात्रों को व्यंग्य का स्वरुप एवं विकास का परिचय कराना			
	CO5	हरिशंकर परसाई के व्यक्तीत्व एवं कृतित्व का परिचय छात्रों को करानी			

Course		Course Outcome	PSO	CL	KC
Paper IV एकांकि साहित्य	CO1	एकांकि साहित्य का परिचय छात्रोंको समझाना			
	CO2	एकांकि साहित्य का विकास छात्रोंको समझाना			
	CO3	प्रतीनिधी महिला एकांकि का अध्ययन कराना			
	CO4	एकांकि नये पुराणे साहित्य का परिचय कराना			



### Course Outcomes (COs) B. A. II

Course	Course Outcome		PSO	CL	KC
हिंदी द्वितीय भाषा सामान्य हिंदी	CO1	छात्रों को गद्य के विविध आसाम का परिचय कराना।			
	CO2	साहित्य आस्वादन अभिरुची का परिसंस्कार करना।			
	CO3	साहित्य को जीवन मूल्यों के प्रति आस्था निर्माण करना।			
	CO4	छात्रों को पाठ्यक्रम के माध्यमसे अत्याधुनिक इलेक्ट्रॉनिक माध्यमों का परिचय कराना।			
	CO5	छात्रों को व्यवसायिक पत्रलेखन की पद्धति से अवगत			
	CO6	छात्रों में भाषा कौशल कला को विकसित करना।			
	CO7	छात्रों में अंग्रेजी से हिंदी में अनुवाद करने की कला को विकसित करना।			

Course	Course Outcome		PSO	CL	KC
Paper V कथेत्तर गद्य साहित्य	CO1	छात्रों को हिन्दी कथेत्तर गद्य संवदेना की परम्परा का परिचय कराना।			
	CO2	छात्रों को हिन्दी आत्मकथा विधा तथा यात्रा साहित्य का उदभव और विकास का परिचय कराना।			
	CO3	छात्रों को हिन्दी के प्रतिनिधी निबंधकारोंसे परिचित कराना।			
	CO4	परिभाषिक शब्दावली के माध्यम से हिन्दी शब्दों से परिचित कराना।			
	CO5	छात्रों को देवनागरी लिपि का उदभव और विकास का परिचय कराना।			

Course	Course Outcome		PSO	CL	KC
Paper VI प्रयोजनमुलक हिन्दी	CO1	छात्रों को परिभाषिक शब्दावली के माध्यम से हिन्दी शब्दों से परिचित कराना।			
	CO2	छात्रों को देवनागरी लिपि का उदभव और विकास का परिचय कराना।			



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	CO3	हिंदी के उदभव और विकास			
	CO4	हिंदी के संक्षेपन पल्लवन टिपण का परिचय करावाना			

Course	Course Outcome		PSO	CL	KC
<b>Paper VII</b> कथेत्तर गद्य साहित्य	CO1	छात्रोंको आधुनिक हिन्दी कविता की विशेषताओ से परिचित करांना			
	CO2	छात्रोंको को लंबी कविता का रचना विधान से परिचय करांना			
	CO3	भूमिजा (खंड काव्य) नागार्जुन की रचना का परिचय करांना			

Course	Course Outcome		PSO	CL	KC
<b>Paper VIII</b> प्रयोजनमुलक हिंदी	CO1	छात्रों को परिभाषीक शब्दावली के माध्यम से हिंदी शब्दों से परिचित कराना			
	CO2	छात्रों को देवनागरी लिपी का उदभव और विकास का परिचय कराना			
	CO3	हिंदी के उदभव और विकास			
	CO4	हिंदी के संक्षेपन पल्लवन टिपण का परिचय करावाना			

**Course Outcomes (COs) B. A. III**

Course	Course Outcome		PSO	CL	KC
<b>Paper IX</b> प्रादेशिक साहित्य	CO1	छात्रों को आत्मकथा का परिचय कराना			
	CO2	मराठी प्रतिनिधी कहाणीयोंका परिचय कराना			
	CO3	साहित्य अस्वादन – अभिरुची का परिसंस्कार			
	CO4	जीवन मूल्यों के प्रति आस्था			
	CO5	प्रादेशिक साहित्य का ज्ञान			
	CO6	भारतीय साहित्य का अध्ययन			
	CO7	व्याख्यान पद्धती			
	CO8	लेखन एवं पठन कौशल विकास के लिए अभ्यास			



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	CO9	मराठी का कहानी साहित्य : सामान्य परिचय ।			
	CO10	दलित आत्मकथा साहित्य : सामान्य परिचय ।			

Course	Course Outcome		PSO	CL	KC
<b>Paper X</b> आदि तथा मध्यकालिन हिंदी साहित्य का इतिहास	CO1	हिंदी साहित्य के आदिकालीन और मध्यकालीन इतिहास को अवगत कराना ।			
	CO2	हिंदी साहित्य की दर्शनिक पूर्वपीठीका से परिचय कराना ।			
	CO3	हिंदी साहित्य के आदिकालीन और मध्यकालीन कालजयी रचना तथा रचनाकारों का सामान्य परिचय कराना ।			
	CO4	हिंदी साहित्य के इतिहास का परिचयात्मक अध्ययन कराना ।			
	CO5	हिंदी साहित्य के इतिहास के आदिकाल, भक्तीकाल, रितीकाल का अध्ययन कराना ।			

Course	Course Outcome		PSO	CL	KC
<b>Paper XI</b> साहित्य शास्त्र	CO1	साहित्य चिंतन का अध्ययन ।			
	CO2	साहित्यलोचन क्षमता का परिचय ।			
	CO3	साहित्य सृजन के संस्कार ।			
	CO4	व्याख्यान ।			
	CO5	गोष्ठी, परिचर्चा तथा स्वाध्याय ।			
	CO6	अतिथि विद्वानों के व्याख्यान ।			
	CO7	साहित्यलोचन का अभ्यास ।			
	CO8	साहित्य का स्वरूप – साहित्य के तत्व ।			
	CO9	साहित्य के हेतु – शब्दशक्ती विचार – रस आदि का परिचय कराना ।			

Course	Course Outcome		PSO	CL	KC
<b>Paper XII</b> प्रकल्प कार्य	CO1	छात्रों को हिंदी साहित्य में पठन-लेखन कौशल का विकास कराना ।			
	CO2	छात्रों को हिंदी साहित्य में अलोचानात्मक क्षमता का विकास कराना ।			



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	CO3	छात्रों को हिंदी साहित्य में अनुसंधनात्मक दृष्टि का विकास कराना।			
	CO4	भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र आदि से संबंधित विषय का चयन कर प्रकल्प लेखन करना।			

Course	Course Outcome		PSO	CL	KC
<b>Paper XIII</b> मध्यकालिन काव्य	CO1	भारतीय भक्ति का आंदोलन का परिचय छात्रों को कराना।			
	CO2	रितीकालीन संवेदना का अध्ययन कराना।			
	CO3	कविता के माध्यम से मध्यकालीन सांस्कृतिक संवेदना का अध्ययन करना।			
	CO4	भक्ति कालीन कविता का परिचय कराना।			
	CO5	रीती कालीन कविता का परिचय कराना।			

Course	Course Outcome		PSO	CL	KC
<b>Paper XIV</b> आधुनिक साहित्य का इतिहास	CO1	हिंदी साहित्य के आधुनिक काल के इतिहास का परिचय कराना।			
	CO2	आधुनिक हिंदी साहित्य की राजनीतिक, सामाजिक, धार्मिक परिस्थितियों का परिचय कराना।			
	CO3	आधुनिक हिंदी साहित्य के रचनाकारों का व्यक्तित्व एवं कृतित्व का सामान्य परिचय कराना।			
	CO4	आधुनिक हिंदी साहित्य के भारत के युग, द्विवेदी युग, प्रयोगवाद नई कविता का विकास का अध्ययन कराना।			

Course	Course Outcome		PSO	CL	KC
<b>Paper XV</b> साहित्य शास्त्र	CO1	साहित्य चिंतन का अध्ययन।			
	CO2	साहित्यलोचन क्षमता का परिचय।			
	CO3	साहित्य सृजन के संस्कार।			
	CO4	व्याख्यान।			
	CO5	गोष्ठी, परिचर्चा तथा स्वाध्याय।			



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	CO6	अतिथि विद्वानों के व्याख्यान			
	CO7	साहित्यलोचन का अभ्यास			
	CO8	साहित्य का स्वरूप – साहित्य के तत्व			
	CO9	साहित्य के हेतु – शब्दशक्ती विचार – रस आदि का परिचय कराना			

Course	Course Outcome		PSO	CL	KC
<b>Paper XVI</b> <b>प्रकल्प कार्य</b>	CO1	छात्रों को हिंदी साहित्य में पठन-लेखन कौशल का विकास कराना			
	CO2	छात्रों को हिंदी साहित्य में अलोचानात्मक क्षमता का विकास कराना			
	CO3	छात्रों को हिंदी साहित्य में अनुसंधानात्मक दृष्टि का विकास कराना			
	CO4	भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र आदि से संबंधित विषय का चयन कर प्रकल्प लेखन करना			





### PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF ENGLISH

<b>PSO1</b>	To create confidence, curiosity about English Language.
<b>PSO2</b>	To prepare students to stand firmly in this global world
<b>PSO3</b>	To introduce students with various job opportunities while having confidence about English Language.
<b>PSO4</b>	To prepare students to face competitive exam of English Language
<b>PSO5</b>	To teach human values, ethics, and moral
<b>PSO6</b>	To build a personality of the students as a social, national responsible person

**Abbreviations used:**

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

### PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF ENGLISH

#### Course Outcome (CO) for B .A. I

Course	Course Outcome		PSO	CL	KC
<b>(Compulsory English ) Language Through Literature: An Anthology of Prose and Poetry</b>	CO1	To familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English			
	CO2	To expose them to native cultural experiences and situations in order to develop Humane values and social awareness			
	CO3	To develop overall linguistic competence and communicative skills of the students.			



Course	Course Outcome		PSO	CL	KC
<b>(Optional English) The Structure of English</b>	CO1	To give the information about language section			
	CO2	To acquaint students with standard pronunciation of English			
	CO3	To give basic knowledge of English Grammar			
	CO4	To make familiar with different types of sentences			
	CO5	To write correct English			
	CO6	To have the knowledge of word formation process			

Course	Course Outcome		PSO	CL	KC
<b>Reading Literature</b>	CO1	To expose students to the basics of literature and language			
	CO2	To familiarize them with different genre and form of literature in English, the literary devices and terms so that they understand the literary merit, beauty and creative use of language			
	CO3	To introduce the basic units of language so that they become aware of the technical aspects and their practical usage			
	CO4	To prepare students to go for detailed study and understanding of literature and language			
	CO5	To develop an integrated view about language and literature in them			

**Course Outcome (CO) for B. A. II**

Course	Course Outcome		PSO	CL	KC
<b>(Compulsory English)</b>	CO1	To develop competence among the students for self-learning			



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<b>Language through Writing: An Anthology of Prose and Poetry</b>	CO2	To familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English			
	CO3	To develop students' interest in reading literary pieces			
	CO4	To expose them to native cultural experiences and situations in order to develop humane values and social awareness			
	CO5	To develop overall linguistic competence and communicative skills of the Students			

Course	Course Outcome		PSO	CL	KC
<b>Optional English</b> 1) Literature in English (1550-1750) 2) Literature in English (1750-1900)	CO1	To expose students to the basics of poetry, novel, drama one of the forms of literature			
	CO2	To familiarize them with different types of drama, novel, poetry in English			
	CO3	To make them understand the literary merit, beauty and creative use of language			
	CO4	To introduce some advanced units of language so that they become aware of the technical aspects and their practical usage			
	CO5	To prepare students to go for detailed study and understanding of literature and language			
	CO6	To develop integrated view about language and literature in them			

**Course Outcome (CO) for B. A. III**

Course	Course Outcome		PSO	CL	KC
<b>Twentieth Century English Literature</b>	CO1	To introduce students to master pieces of the Modern English Literature			
	CO2	To familiarize students with the communicative power of English			



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		Language			
	CO3	To enable students to become competent users of English in real life situations			
	CO4	To expose students to varied cultural experiences through literature			
	CO5	To contribute to their overall personality development by improving their communicative and soft skills.			

Course	Course Outcome		PSO	CL	KC
<b>Indian Writing in English</b>	CO1	To expose students to some of the best samples of Indian English Poetry, drama and novel			
	CO2	To make the students see how Indian English poetry, drama, novel expresses the ethos and culture of India			
	CO3	To make them understand creative uses of language in Indian English Poetry, drama and novel			
	CO4	To introduce students to some advanced areas of language study			
	CO5	To prepare students to go for detailed study and understanding of literature and language			
	CO6	To develop integrated view about language and literature among the students			

Course	Course Outcome		PSO	CL	KC
<b>Introduction to Literary Criticism and Terms</b>	CO1	To introduce students to the basics of literary criticism			
	CO2	To make them aware of the nature and historical development of criticism			
	CO3	To make them familiar with the significant critical approaches and terms			
	CO4	To encourage students to interpret literary works in the light of the critical approaches			



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	CO5	To develop aptitude for critical analysis			
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Course	Course Outcome		PSO	CL	KC
<b>Project Work on History of English Literature</b>	CO1	To make familiar students with the History of English Literature.			
	CO2	To know English periods and master pieces of that period.			
	CO3	To develop research skill among the students.			
	CO4	To develop analytical, Critical attitude among the students			
	CO5	This paper provide opportunity to the students to enrich their writing and presentation skill			



### PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF ECONOMICS

<b>PSO1</b>	The program of Economics in B.A. makes aware to the students about the basic knowledge of economics.
<b>PSO2</b>	It introduces economic behavior of the individual person, institution, society and country.
<b>PSO3</b>	Growth and Development theories are providing knowledge about how to be developed in certain circumstances.
<b>PSO4</b>	Knowledge of Indian Economy, public finance and International Economics support students to make strategy to be successful businessman.
<b>PSO5</b>	Economics subject knowledge is useful to be successful in UPSC, MPSC, Banks, Statistic Department, NSSO, CSO, IES, and RBI.

**Abbreviations used:**

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

### COURSE OUTCOMES (CO): DEPARTMENT OF ECONOMICS

**Course Outcome (CO) for B. A. I**

Course	Course Outcome	PSO	CL	KC
<b>ECO-101- Micro Economics</b>	CO1	Student will understand the meaning and scope of the micro economics.		
	CO2	They will come to know the concept of Demand and Supply.		
	CO3	Students will understand various market structure like perfect competition and monopoly		



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Course	Course Outcome		PSO	CL	KC
<b>ECO-102- Indian Economy</b>	CO1	Student will understand the structure of Indian Economy.			
	CO2	Understanding the problems in Indian Economy and the solutions on the same.			
	CO3	Understanding the objectives, structure, achievements and failures of five year plan.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-103- Price Theory</b>	CO1	Understanding the different market equilibrium of firm and industry.			
	CO2	Students will understand the factor finding.			
	CO3	Understanding the analysis of cost and revenue.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-104- Money, Banking and Finance</b>	CO1	Understanding the meaning and function of money, banking structure in India.			
	CO2	Students will come to know new concepts in the banking like ATM and E-banking.			
	CO3	Understanding the monetary policy of RBI.			

**Course Outcome (CO) for B. A. II**

Course	Course Outcome		PSO	CL	KC
<b>ECO-105- Macro</b>	CO1	Students will be aware of basic theories in			





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<b>Economics</b>		Macro Economics.			
	CO2	Student will understand the various concept of National income and also know about the majoring the national income.			
	CO3	Students understand the theory of trade cycle.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-106- Economics of Development</b>	CO1	Students will know about the theories of development.			
	CO2	Student will understand the various concept of growth model.			
	CO3	Students understand the role of agriculture industry and service sector in economic development.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-107- Public Finance</b>	CO1	Students will know about the various concepts in public finance.			
	CO2	Student will understand the concept of public revenue and public expenditure.			
	CO3	Students understand the budget functioning and types of budget.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-108- Statistical Methods</b>	CO1	Students will know about the meaning, nature and scope of statistical methods.			
	CO2	Student will be able to solve various problems Mean, Mode and Medium.			
	CO3	Students will be able to understand and solve the problems in Index Number.			



**Course Outcome (CO) for B. A. III**

Course	Course Outcome		PSO	CL	KC
<b>ECO-109- International Economics</b>	CO1	Students will understand the theories of trade.			
	CO2	Student will understand the importance of trade and gains from trade.			
	CO3	Students understand the role of balance of payment in International Economics.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-110- Agricultural Economics</b>	CO1	Students will know the Importance of Agricultural Economics.			
	CO2	Student will understand the various Technologies in Agricultural.			
	CO3	Students understand the role of agriculture in Economics Development since Fifty Year.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-111- History of Economic Thought</b>	CO1	Students will know the Mercantilism and Physiocracy.			
	CO2	Student will understand the various Theories of Classical Thinkers.			
	CO3	Students understand the Thought of Marshal.			

Course	Course Outcome		PSO	CL	KC
<b>ECO-112- Project Work</b>	CO1	Students will know the Project Work.			
	CO2	Student will understand the various			



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		Concepts in Project Work.			
	CO3	Students understand Who to Write Project Work.			

Course		Course Outcome	PSO	CL	KC
<b>Paper-XIII: Research Methodology</b>		Indian economy is less developed economy because of people is not enough research activities.			
		This paper develops research oriented mind of the students.			
		If student develop its research it gets jobs in research activities right from local to global institutions.			

Course		Course Outcome	PSO	CL	KC
<b>Paper-XIV: Industrial Economics</b>		It introduces industrial structure of the economy and progress of industrialization.			
		It aware about the scope of new entrepreneur to enter in industrial establishment.			

Course		Course Outcome	PSO	CL	KC
<b>Paper-XV: Indian Economic Thinkers</b>		The paper introduces about the research and work of Indian economic thinkers.			
		It promotes students to study of them and work for the self as well as economy's development.			

Course		Course Outcome	PSO	CL	KC
<b>Eco: XII (112): Project Work</b>		There is 100 marks project work which have to submit and present to the University.			
		It enhanced the research oriented analytical view of student which is beneficial to get job and start business with the practical study of Economics.			



### PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF HISTORY

<b>PSO1</b>	A History graduate can find employment with archaeological Survey Of Indian or with private firms related to Archeology
<b>PSO2</b>	Demonstrate thinking skills by analyzing synthesing and evaluating Historical information from multiple sources.
<b>PSO3</b>	Develop the ability to distinguish between fact and fiction while Understanding that there is no one historical truth.
<b>PSO4</b>	To learn foundation of Delhi Sultanate and Sultanate Administration.
<b>PSO5</b>	The Students will get acquainted with the Renaissance, Major political, socio – religious and Economic developments during the modern world

#### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

### PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF HISTORY

#### Course Outcome (CO) for B. A. I

Course	Course Outcome		PSO	CL	KC
<b>Paper: I Shivaji and His time (1630-1707)</b>	CO1	Student able to understand between the meaning of local history, National History and International history.			
	CO2	Understand the background and the inspiration behind the establishment of Swarajya.			
	CO3	Explain the reasons behind Chhatrapati Shivaji's early conflicts with the regional lords and the outsiders.			
	CO4	Know about the importance of			



		grand condition of Chhatrapati Shivaji			
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Course	Course Outcome		PSO	CL	KC
<b>Paper: II History of modern Maharashtra (1818– 1905)</b>	CO1	Identify the importance and the legally of freedom movement			
	CO2	Distinguish the detail account of British raj as well as it's over all impacts on the Indian society.			
	CO3	Evaluate the Renaissance and Religious and social reforms movement in India			
	CO4	Students have understood institutional experiments in socio – religious reformism			

Course	Course Outcome		PSO	CL	KC
<b>Paper: III History of the Marathas (1707 – 1818)</b>	CO1	Understand the formation of welfare state during the Marathas rule.			
	CO2	Students will be able to examine the difference between fact and fiction of Maratha India. To introduce the students to the regional history of Marathas.			
	CO3	Understand the central and provincial administration of Marathas under the Peshwas			
	CO4	To introduce the students to the regional history of Marathas			

Course	Course Outcome		PSO	CL	KC
<b>Paper - IV Twentieth century Maharashtra (1905 – 1960)</b>	CO1	Understand the contribution of Maharashtra in India National Movement			
	CO2	Understand the importance of samyukta Maharashtra Movement.			



	CO3	Understand early political awakening in India freedom struggle			
	CO4	Identify the social institutions of late nineteenth century.			

**Course Outcome (CO) for B. A. II**

Course	Course Outcome		PSO	CL	KC
<b>Paper - V History of Early India (up to 300 BC)</b>	CO1	Identify the various types of sources of Ancient India History.			
	CO2	Identify the importance and the legacy of Vedic period.			
	CO3	Know about the political Development in India during Maurya Empire.			

Course	Course Outcome		PSO	CL	KC
<b>Paper - VI History of Delhi Sultanate (1200 – 1526)</b>	CO1	Understand early difficulties of Sultan's in India.			
	CO2	Know about the political and administration of the saltant rul			
	CO3	Identify the developments and unique legacy of Art and Architecture during the saltant period.			
	CO4	Understand the aspects of fiscals and Monetary system under the sultanate			

Course	Course Outcome		PSO	CL	KC
<b>Paper - VII History of India (300 BC – 650)</b>	CO1	Perceive about the political Development in India during saks, kushans, Satvahana and Gupta Empire.			
	CO2	Understand about the political Development in India during			



		vardhan, Dynasty and Vakatak Empire.			
	CO3	Understand the about the caves, temples, painting and fabric that period.			
	CO4	Understand the about sources material for the study literary and Archaeological			

Course	Course Outcome		PSO	CL	KC
<b>Paper - VIII History of Mughal India (1526 – 1757)</b>	CO1	Understand the administrative set up of Mughals.			
	CO2	Grasp the some aspects of fiscals and Monetary system of Mughals			
	CO3	Understand the about the Establishment of Mughals Empire in Indian under the leadership of Babare.			
	CO4	Understand about the importance and development in Administrative system during the Mughal period.			

**Course Outcome (CO) for B. A. III**

Course	Course Outcome		PSO	CL	KC
<b>Paper - IX Historiography</b>	CO1	Identify the meaning Nature and scope of History			
	CO2	Grasp the details of various types of sources and It's importance in History writing			
	CO3	Understand about the Research process in Historical research			
	CO4	Critically analyze the process of Development of Historiography since ancient times to modern			





		times			
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Course	Course Outcome		PSO	CL	KC
<b>Paper - X History of Indian National Movement (1885 – 1947)</b>	CO1	Identify the Indian National Movement to Modern Indian time.			
	CO2	Understand the events which lend to the growth of Nationalism in India.			
	CO3	Acquaint himself with major events of the freedom struggle under the leadership of Mahatma Gandhi			
	CO4	Explain the contribution of Revaluationaries, left, Movement and India National Army			

Course	Course Outcome		PSO	CL	KC
<b>Paper - XI Women's struggle in Modern India</b>	CO1	Identify the major issues and conception of Women's problems in 19 <sup>th</sup> century in India			
	CO2	Identify the child Marriage, Sati, Tradition in India.			
	CO3	Understand the struggle for Women's education India			
	CO4	Understand the Women's and Social struggle in India			
	CO5	Understand Women's law in India.			

Course	Course Outcome		PSO	CL	KC
<b>Paper –XII Project work</b>	CO1	Students get information about Forts.			
	CO2	Students get information about Caves.			



	CO3	Student to understand local history.			
	CO4	Students get information about historical coins.			
	CO5	Students get information about museums, saints, Social workers, Inscriptions, Peasant movement, Hyderabad freedom struggle etc			

Course	Course Outcome		PSO	CL	KC
<b>Paper – XIII Field of History</b>	CO1	Know about the meaning and object Archaeology and material science A brief History of Indian			
	CO2	Apply the theory of Historicism as a professional skills in various fields of intellect			
	CO3	Acquire basic knowledge of history in various carriers i.e. museum, historical, tourism conservation and preservation			
	CO4	Understand about the Historical Tourism and It's importance in grasping historical facts			

Course	Course Outcome		PSO	CL	KC
<b>Paper - XIV Landmark of the History of Modern World</b>	CO1	Understand about the New Imperialism of world countries.			
	CO2	Grasp about the French Revolution in France.			
	CO3	Grasp about the Industrial Revolution in England.			
	CO4	Grasp about the second World war			



Course	Course Outcome		PSO	CL	KC
<b>Paper - XV Glimpses of the History of Marathwada (up to 1948 A. D.)</b>	CO1	Understand political History of Marathwada: A brief survey.			
	CO2	Understand Art and Architecture, Temple, Architecture Forts in Marathwada.			
	CO3	Socio –Economical and cultural History of under the Nizam state in in Marathwada			
	CO4	Understand Hyderabad freedom struggle role of all India scheduled cast federation in Hyderabad freedom struggle			

Course	Course Outcome		PSO	CL	KC
<b>Paper - XVI Project Work</b>	CO1	Students get information about Forts.			
	CO2	Students acquire knowledge about Historical monuments			
	CO3	Students get information about historical coins.			
	CO4	Students understand local history			



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF POLITICS

<b>PSO1</b>	At the end of the course the students will be able to understand the theories and concepts of Political Science.
<b>PSO2</b>	The students will be able to think and make an inquiry into the socio-economic and political problems.
<b>PSO3</b>	The awareness will be created among the students about the changing nature of the international relations.
<b>PSO4</b>	Students will acquire the knowledge about the Indian constitution and they will follow the ethics, values and duties prescribed by the constitution.
<b>PSO5</b>	They will understand the nature and working procedure of Government India and will be well acquainted with the politics of India.
<b>PSO6</b>	Student will be able to understand and explain the political ideologies and ideas which are broadly considered as political creeds usually termed "Political Ideology"
<b>PSO7</b>	Student will be able to understand the basic concepts of Research.
<b>PSO8</b>	The awareness will be created among the students about the latest and scientific techniques of research.
<b>PSO9</b>	They will be able to recognize and acquire modern trends in Political research.
<b>PSO10</b>	Help students achieve competence in understanding, critically assessing, and using major political concepts.

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural



## COURSE OUTCOMES (CO): DEPARTMENT OF POLITICS

### Course Outcome (CO) for B. A. I

Course	Course Outcome		PSO	CL	KC
<b>Pol 101 &amp; Pol 103 Basic Concepts in Political Science</b>	CO1	Students will understand and explain the basic concepts in Political Science.			
	CO2	Students will be able to criticize present political system by using the political ideas.			
	CO3	Students will know different political system and understand the importance of democracy.			
	CO4	Developed the student's personality as a responsible citizen.			

Course	Course Outcome		PSO	CL	KC
<b>Pol 102 &amp; Pol 104 Government and Politics of Maharashtra</b>	CO1	Student will get information about the reformation of state and about Sanyukta Maharashtra Movement.			
	CO2	Student will understand the rules, regulations, structure and nature of Maharashtra Government & Political System.			
	CO3	Student will understand various constitutional rights and duties of the Citizen of India.			
	CO4	Student will understand the structure and system of the Local Self Governance of Maharashtra.			
	CO5	Student will get acquainted with the			



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		different social, political, peasant, cooperative and feminist movement.			
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**Course Outcome (CO) for B. A. II**

Course	Course Outcome		PSO	CL	KC
<b>Pol 105 &amp; Pol 107 Government and Politics of India</b>	CO1	Student will understand the structure, nature and system of the Government and Politics of India.			
	CO2	Student will understand the basic structure and various features of the Indian Constitution.			
	CO3	Student will understand various provisions in the Indian constitution about fundamental rights, duties of the citizens and directive principles of the state policy.			
	CO4	Student will become aware of secularism, liberty, fraternity, equality, justice and brotherhood.			
	CO5	Student will understand the relation between center and state government in India.			
	CO6	Student will well be acquainted with the structure and function of the Judiciary in India.			
	CO7	Student will become aware about the party politics in India.			

Course	Course Outcome		PSO	CL	KC
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<b>Pol 106 &amp; Pol 108 International Relations</b>	CO1	Student will be able to understand and explain the concepts in international politics.			
	CO2	The awareness will be created among the students about the changing nature of the international relations.			
	CO3	Student will integrate with international current issues and become sensitive and increase his analytical ability.			
	CO4	Student will get information about the international and regional organizations and will become aware about the international politics.			

**Course Outcome (CO) for B. A. III**

Course	Course Outcome		PSO	CL	KC
<b>Pol 109 &amp; Pol 113 Indian Political Thinkers</b>	CO1	Student will get the information about the work and thoughts of Indian Political Thinkers.			
	CO2	Student will be able to express their thoughts and ideas regarding the contents.			
	CO3	Student will get inculcated by the thoughts of political thinkers.			

Course	Course Outcome		PSO	CL	KC
<b>Pol 110 &amp; Pol 114 Western Political Thinkers</b>	CO1	Student will understand the contribution in Political Science of the western thinkers.			
	CO2	Student will be familiarized with basic			





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		concepts generated by the western political thinkers.			
	CO3	Student will get inculcated by the thoughts of western political thinkers.			
	CO4	Student will compare and contrast between Indian and Western Political Thinkers.			

Course	Course Outcome		PSO	CL	KC
<b>Pol 111 &amp; Pol 115 Political Ideology</b>	CO1	Student will be able to understand and explain the political ideologies and ideas which are broadly considered as political creeds usually termed „Political Ideology.			
	CO2	Student will compare and contrast between various Political Ideologies.			
	CO3	Student will understand the different aspects of traditional and contemporary Ideologies.			

Course	Course Outcome		PSO	CL	KC
<b>Pol 112 &amp; Pol 116 Project</b>	CO1	Students will study at their own by selecting topic related to Contemporary Social and political issues.			
	CO2	Student will be able to understand the basic concepts of Research Methodology.			
	CO3	The awareness will be created among the students about the latest and scientific techniques of research.			



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	CO4	Student will be able to write a project report in scientific manner.			
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## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF MATHEMATICS

PSO1	Understand the rate of change (differentiation) and limit of a sum (integration).
PSO2	Apply integration tools to find area length and volume.
PSO3	Able to solve ordinary and partial (linear and nonlinear) differential equations.
PSO4	Find the equations of standard three dimensional shapes like sphere, cone and cylinder.
PSO5	Understand the properties of divisibility in integers and apply it to solve Diophantine equations and simultaneous linear congruence.
PSO6	Define various number theoretic functions and prove their multiplicative property.
PSO7	Define the concept of integral transform and state its applications.
PSO8	Understand various numerical methods.
PSO9	Explain the basic concepts in statics and dynamics.
PSO10	Understand the basic ideas in Real Analysis and able to solve problems using analytical methods.
PSO11	Get acquainted with abstract spaces like groups, rings and vector spaces. Derive properties of them by using axioms.
PSO12	<p>Along with the above stated outcomes a Mathematics graduate is able to grasp the philosophy of Mathematics by understanding the following philosophical statements in Mathematics:</p> <ul style="list-style-type: none"><li>• For all Epsilon greater than zero, there exists Delta greater than zero statement.</li><li>• The condition is necessary and sufficient.</li><li>• The condition is sufficient but not necessary.</li><li>• The condition is necessary but not sufficient.</li><li>• Contra-positive of a statement.</li><li>• Method of induction of proof.</li></ul>

### Abbreviations used:

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## COURSE OUTCOMES (CO): DEPARTMENT OF MATHEMATICS

### Course Outcome (CO) for B. Sc. I

Course	Course Outcome		PSO	CL	KC
<b>MAT 101 Differential Calculus</b>	CO1	Understand the geometrical interpretation of derivative of a function	PSO1, PSO11	K	C
	CO2	Find the derivatives of hyperbolic functions and implicit functions	PSO1	AP, S	P
	CO3	Find the $n^{\text{th}}$ derivative of standard functions and solve problems on the same	PSO1	AP, S	P
	CO4	Find the value of $n^{\text{th}}$ derivative at a particular point	PSO1	AP	P
	CO5	State and prove mean value theorems	PSO1, PSO11	K, C	P
	CO6	Apply mean value theorems to find nature of graphs of the functions and approximate values	PSO1	AP, AN	P
	CO7	Understand the partial differentiation and its rules	PSO1, PSO11	K	C
	CO8	Understand and solve problems on Euler's theorem on homogeneous functions	PSO1	K, AP	C
	CO9	Find and apply the directional derivatives of scalar and vector point functions	PSO1	C, AP	P
	CO10	Solve problems on divergence, curl and gradient	PSO1	AP	P

Course	Course Outcome		PSO	CL	KC
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<b>MAT 102 Differential Equations</b>	CO1	Find the order and degree of a differential equation and recognize the difference between general, particular and singular solutions	PSO3	K, C, E	P
	CO2	Identify the exact differential equation	PSO3	K, E	P
	CO3	Apply various methods to solve a linear differential equations with constant coefficients	PSO3	AP	P
	CO4	Reduce the linear differential equations with variable coefficients to linear differential equations with constant coefficients and solve it	PSO3	S	P
	CO5	Solve exact differential equation of order $n$	PSO3	AP	P
	CO6	Solve system of simultaneous ordinary differential equations	PSO3	AP	P
	CO7	Define a partial differential equation	PSO3	K, C	C
	CO8	Eliminate arbitrary constants and arbitrary functions to obtain a partial differential equation	PSO3	S	P

Course	Course Outcome		PSO	CL	KC
<b>MAT 201 Integral Calculus</b>	CO1	Understand the meaning of integration as a limit of a sum	PSO2, PSO11	K	C
	CO2	Derive reduction formulae and use them to solve particular integrals	PSO2	S	P
	CO3	Integrate the rational functions	PSO2	K, AP	P
	CO4	Integrate trigonometric functions with	PSO2	AP	P



		integer power			
	CO5	Apply integration to find area of a random region (formed by a curve and two coordinate axes)	PSO2	C, AP	P
	CO6	Apply integration to find the length of a curve between two points	PSO2	C, AP	P

Course	Course Outcome		PSO	CL	KC
<b>MAT 202 Geometry</b>	CO1	Recognize and find the equation of a plane satisfying given conditions	PSO4	K, S	C
	CO2	Find the equation of the plane in a given system	PSO4	K	P
	CO3	Find the distances between two geometric objects like a point and a plane, a line and a plane etc.	PSO4	K, AP	P
	CO4	Find the angle between two lines and two planes	PSO4	K, C	P
	CO5	Find the equation of a straight line satisfying the given conditions	PSO4	AP	P
	CO6	Understand the co-planarity of two lines	PSO4	K	C
	CO7	Recognize the various forms of equation of a sphere and find the equation of a sphere under given conditions and calculate its centre and radius	PSO4	K, E	C
	CO8	Differentiate between the central conicoids and find their equations under given conditions	PSO4	E	C
	CO9	Check the condition tangency of a plane to sphere, cone, cylinder and conicoid, find the equation of the tangent plane and find the point of contact	PSO4	K, E	C



**Course Outcome (CO) for B. Sc. II**

Course	Course Outcome		PSO	CL	KC
<b>MAT 301</b> <b>Number Theory</b>	CO1	Solve numerical using division algorithm	PSO5, PSO6	AP	P
	CO2	Find the greatest common divisor of sufficiently large numbers using Euclidean algorithm	PSO5, PSO6	AP	P
	CO3	Recognize a solvability and obtain all the solutions of a Diophantine equation	PSO5, PSO6	K, E	P
	CO4	State and prove the fundamental theorem of arithmetic	PSO5, PSO6	C	C
	CO5	Understand the use of congruence theory and solve problems on Chinese remainder theorem	PSO5, PSO6	K	C
	CO6	Find the values of number theoretic functions	PSO5, PSO6	K	C
	CO7	Understand the properties of the number theoretic functions	PSO5, PSO6	K	C
	CO8	Understand the relations among the number theoretic functions	PSO5, PSO6	K	K

Course	Course Outcome		PSO	CL	KC
<b>MAT 302</b> <b>Integral Transforms</b>	CO1	Define Beta and Gamma functions and represent them in different forms	PSO7, PSO11	K	K
	CO2	Apply properties of Laplace transforms to evaluate Laplace transforms of standard functions	PSO7	AP	P



	CO3	Apply properties of inverse Laplace transforms to evaluate inverse Laplace transform of standard functions	PSO7	AP	P
	CO4	Apply Laplace transforms and inverse Laplace transforms to solve linear ordinary differential equations	PSO7	AP	P
	CO5	Define Fourier transforms and find Fourier transforms of standard functions	PSO7	K	K

Course	Course Outcome		PSO	CL	KC
<b>MAT 303 Mechanics I</b>	CO1	Find the resultant of any number of forces acting on a particle	PSO9	K	P
	CO2	Find the resolved parts of forces acting on a particle and solve numerical on the same	PSO9	K	P
	CO3	State the condition of equilibrium of two forces acting on a particle	PSO9	C	C
	CO4	State the necessary and sufficient condition for any number of forces to in equilibrium	PSO9	C	C
	CO5	Define the moment of force and find the same for parallel forces and couples	PSO9	K	C
	CO6	Solve the problems on moment of force	PSO9	AP	P
	CO7	Define and find the centre of gravity of some uniform bodies	PSO9	K	C
	CO8	Solve simple problems on centre of gravity	PSO9	AP	P

Course	Course Outcome		PSO	CL	KC
<b>MAT 401</b>	CO1	Obtain the approximate solution of a	PSO7	C	C





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<b>Numerical Methods</b>		linear and transcendental equation up to a desired accuracy			
	CO2	Understand the differences and apply interpolation formulae to solve problems	PSO7	K	C
	CO3	Apply approximate linear or non-linear function that fits a given data	PSO7	AP	P
	CO4	Apply numerical methods of linear algebra in real life problems	PSO7	AP	P
	CO5	Obtain an approximate solution to differential equations whose analytic solution is not known	PSO7	C	P

Course	Course Outcome		PSO	CL	KC
<b>MAT 402 Partial Differential Equations</b>	CO1	Form a partial differential equation by eliminating arbitrary constants and arbitrary function	PSO3	S	P
	CO2	Define, recognize and solve Lagrange's partial differential equation	PSO3	K, E, AP	C
	CO3	Understand five standard forms of non linear partial differential equation and use Charpit's method and Jacobi's method to solve a non linear partial differential equation	PSO3	K	C
	CO4	Solve linear and non linear partial differential equations of homogeneous type	PSO3	AP	P
	CO5	Solve second order partial differential equation by Monge's method	PSO3	AP	P

Course	Course Outcome		PSO	CL	KC
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<b>MAT 403 Mechanics II</b>	CO1	Understand the difference between kinematics and kinetics of a particle. Find the Cartesian components, tangential and normal components and radial and transverse components of velocity and acceleration	PSO9	K, C	C
	CO2	Understand the laws of conservation of momentum and energy, work done in conservation and non conservative field of force	PSO9	K	C
	CO3	To apply the knowledge of motion in non-resisting and resisting medium of projectile in practical situations	PSO9	AP	P
	CO4	To find the maximum range, time of flight and maximum height attained by a projectile	PSO9	C	P
	CO5	Understand the equation of central orbit and pedal equations of standard curves	PSO9	K	C

**Course Outcome (CO) for B. Sc. III**

Course	Course Outcome		PSO	CL	KC
<b>MAT 501 Real Analysis I</b>	CO1	Understand the basic notion sets and its elements and able to decide whether an element is in a given set or not, also find the least upper bound for a given set, if it exists	PSO10	K	C
	CO2	Perform various operations on sets	PSO10	C	P
	CO3	Define real valued functions, one to one correspondence between two sets	PSO10	K	C
	CO4	Recognize convergence and divergence	PSO10,	E	C



		of a sequence and compute the limit of convergent sequence	PSO11		
	CO5	Explain properties of monotone sequences, bounded sequences and results on these sequences	PSO10	C	C
	CO6	Define and understand Cauchy criterion	PSO10, PSO11	K	C
	CO7	Define and compute convergence and divergence of series of real numbers	PSO10, PSO11	K, C	C
	CO8	Apply tests for absolute convergence on a given series	PSO10	AP	P
	CO9	Compute Jacobian of given functions using the properties of Jacobians	PSO10	K	C
	CO10	State and prove the necessary and sufficient condition to vanish	PSO10, PSO11	K, C	C
	CO11	Understand the functional dependence and find the relation among the dependent functions	PSO10	K, AP	C

Course	Course Outcome		PSO	CL	KC
<b>MAT 502</b> <b>Abstract Algebra</b> <b>I</b>	CO1	Define sets, mappings and integers and understand the properties of them	PSO11	K	C
	CO2	Define groups and provide examples of the groups	PSO11	K	C
	CO3	State and prove some standard results derived from the definition of group	PSO11	C	C
	CO4	Define subgroups and understand the criteria to be satisfied by the subgroups	PSO11	K	C
	CO5	Prove that a given mapping between two groups is homomorphism and	PSO11	C	C



		automorphism			
	CO6	Define normal subgroups and quotient groups and demonstrate their properties	PSO11	K	C
	CO7	Define rings and derive its elementary properties	PSO11	K	C
	CO8	Derive results on ideals, quotient rings	PSO11	C, AP	P

Course	Course Outcome		PSO	CL	KC
<b>MAT 303 Ordinary Differential Equations I</b>	CO1	Define complex numbers and understand its algebra and geometric representation	PSO3	K	C
	CO2	Define functions, polynomials, complex series, exponential functions and determinants and state their properties	PSO3	K	C
	CO3	State and prove existence and uniqueness theorem for the solution of first order homogeneous and non homogeneous differential equation	PSO3	C, AN	C, P
	CO4	Define linear differential equation of higher order	PSO3	K	C
	CO5	State and prove existence and uniqueness of solution of second order linear differential equation with constant coefficients	PSO3	K, C	C
	CO6	Define initial value problem for second order linear differential equation	PSO3	K	C
	CO7	Define linear dependence and independence of functions and verify the same using Wronskian	PSO3	K	C



Course	Course Outcome		PSO	CL	KC
<b>MAT 601</b> <b>Real Analysis II</b>	CO1	Understand the of distance between two abstract notions like distance between two sequences, prove a given space is metric space, extend the continuity of a function to a general metric space, formulate continuity in terms of open and closed sets	PSO10, PSO11	K, C, AP	C
	CO2	Understand and recognize the connectedness, completeness and compactness of a given metric space, check the continuity on these metric spaces	PSO10, PSO11	K, AN	C
	CO3	Understand the concept of Riemann integration, recognize the Riemann integrable functions and evaluate the integration of such functions, prove the fundamental theorems of integral calculus	PSO10	K, E	C
	CO4	Define which functions may be expanded as Fourier series and find the Fourier series of such functions, deduce the convergence of some important series using Fourier series	PSO10	K, AP	C

Course	Course Outcome		PSO	CL	KC
<b>MAT 602</b> <b>Abstract Algebra</b> <b>II</b>	CO1	Define and give some important examples of vector spaces and subspaces	PSO11	K	C
	CO2	Prove elementary deductions from the definition of vector space	PSO11	C	P



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	CO3	Understand and prove linear dependence and independence of a set	PSO11	K	C
	CO4	Prove theorems on linear dependence and independence	PSO11	C	P
	CO5	Define linear span of a vector space and basis	PSO11	K	C
	CO6	Define dual space and inner product space	PSO11	K	C
	CO7	Define and prove results in modules	PSO11	K, C	C

Course	Course Outcome		PSO	CL	KC
<b>MAT 604 Ordinary Differential Equations II</b>	CO1	Define initial value problem for homogeneous differential equation	PSO3	K	C
	CO2	Solve initial value problem	PSO3	AP	P
	CO3	Prove linear independence of functions by using Wronskian criterion	PSO3	AP	P
	CO4	Reduce the order of and solve homogeneous linear differential equations	PSO3	AN	P
	CO5	Solve non homogeneous equations	PSO3	AP	P
	CO6	Recognize Legendre's, Euler and Bessel equations and solve them	PSO3	E	C, P



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF CHEMISTRY

<b>PSO1</b>	Upon completion of the B. Sc. Degree in chemistry the student will have firm understanding of fundamental concepts, theoretical principles, experimental findings and application of current chemicals and scientific theories including in organic, Inorganic and Physical Chemistries.
<b>PSO2</b>	After completion of a degree, students will able to develop critical thinking and problem solving skill in fundamental areas of chemistry. Students can design and perform scientific experiments as well as properly record and analyze the results of their experiments.
<b>PSO3</b>	Students are able to understand theoretical concepts of instruments and can use modern instruments that are generally used in most chemistry fields. Also they can interpret and use data generated in instrumental chemical analyses.
<b>PSO4</b>	Upon completion of degree, students are able to interpret and analyze quantitative data.
<b>PSO5</b>	Students are able to identify and solve chemical problems and explore new areas of research in both chemistry and other fields of science and technology.
<b>PSO6</b>	Students will recognize the important role of chemistry in our society, which create awareness about the impact of chemistry on the society, environment and other cultures outside the scientific community. Students will understand various issues facing our society related to environment, energy, health and medicine.
<b>PSO7</b>	Students will gain entry in to government or industrial sectors. Also will find employment in to the job market, professional schools etc.

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

## COURSE OUTCOMES (CO): DEPARTMENT OF CHEMISTRY

### Course Outcome (CO) for B. Sc. I

Course	Course Outcome		PSO	CL	KC
<b>Paper I Inorganic Chemistry</b>	CO1	Students will able to understand structure of atoms, various atomic properties like ionization potential, atomic size, electron affinity, electronegativity etc. in the groups across the periods.			
	CO2	S-block and P-block elements in the periodic table.			

Course	Course Outcome	PSO	CL	KC
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<b>Paper II Organic Chemistry</b>	CO1	Students will able to understand, general and basic ideas associated to structure, bonding, stereochemistry and reactivity of organic molecules.			
	CO2	Fundamental of mechanism of organic reactions.			
	CO3	General idea and chemical reactivity of alkane, alkenes and alkyl and aryl halides.			
	CO4	Aromaticity and electrophilic reactions of benzene.			

Course	Course Outcome		PSO	CL	KC
<b>Paper IV Physical Chemistry</b>	CO1	Students understand mathematical parameters like logarithm, derivative, integration, Probability, graph representation.			
	CO2	Understanding the surface phenomenon's like Adsorption, mechanism of adsorption, factors affecting adsorption, difference between adsorption and absorption, types of adsorption, it's important etc			
	CO3	Deduction of Gas Laws: Boyles Law, Charles Law, Grahams Law of diffusion, Avogadro's hypothesis, deviation from ideal behavior, Van der waals equation of state.			
	CO4	Types of catalyst and order of reaction.			
	CO5	Difference between solids, liquids and gases state. Classification, Structure of nematic and cholestric phases.			
	CO6	Understanding laws of crystallography and X- ray diffraction by crystals, derivation of Bragg equation.			
	CO7	Definition of colloids, classification, properties and applications of colloids.			

Course	Course Outcome		PSO	CL	KC
<b>Paper V Inorganic Chemistry</b>	CO1	Students will able to understand chemistry of noble gases, meaning of ionic and covalent bonds, formation of covalent and ionic bonds, VSEPR theory, hydrogen bonding, MO theory			
	CO2	Basic concepts in nuclear chemistry and theory of volumetric analysis.			





Course	Course Outcome		PSO	CL	KC
<b>Paper III &amp; VI Lab Course</b>	CO1	Acquaintance with glassware, handling of chemicals, safety measures, laboratory protocol.			
	CO2	Preparation of solution and its standardization.			
	CO3	Understanding of determination of equivalent weight of Mg and rate of reaction, Viscosity, Surface tension of liquid. Verification of Lambert-beer's law.			
	CO4	Estimation of organic compounds, qualitative and quantitative analysis.			
	CO5	Inorganic qualitative analysis			

**Course Outcome (CO) for B. Sc. II**

Course	Course Outcome		PSO	CL	KC
<b>Paper VII Organic Chemistry</b>	CO1	Students will able to understand synthesis of alcohols, reactions of ethylene glycol and glycerol, Preparation and electrophilic aromatic substitution reactions of phenol.			
	CO2	Name reactions exhibited by aldehydes and ketones with mechanism.			
	CO3	Synthesis and chemical reactions of carboxylic acids, decarboxylation of malic, Tartaric and Citric acids, Reactions of compounds of nitrogen.			

Course	Course Outcome		PSO	CL	KC
<b>Paper VIII Physical Chemistry</b>	CO1	Understanding terms: System, Surrounding, Types of system, intensive and extensive properties.			
	CO2	Thermodynamic Process, reversible and irreversible process, concept of maximum work( $W_{max}$ ).			
	CO3	Law of Thermodynamics: Statement, Definition of internal energy and enthalpy. Heat capacity, heat capacities at constant volume pressure and their relationship.			
	CO4	Calculation of W, q, du and dH for the expansion of ideal gases under isothermal and adiabatic condition for reversible			



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Course	Course Outcome		PSO	CL	KC
<b>Paper X Inorganic Chemistry</b>	CO1	Students will able to understand, Features, electronic configuration and general properties of first transition series elements like color, oxidation state etc.			
	CO2	Werner's co-ordination theory, nomenclature of coordinate compounds, formation of complexes based on VBT.			
	CO3	Chemistry of Lanthanides and actinides.			
	CO4	Theories of acids and bases and reactions in non-aqueous solvents			

Course	Course Outcome		PSO	CL	KC
<b>Paper XI Physical Chemistry</b>	CO1	Types of Conductance, variation of equivalent and specific conductance with dilution.			
	CO2	Kohlrausch's law, Ostwald's dilution law.			
	CO3	Transport Number: Defination, Determination by Hittorfs method and moving boundary method, Types of Titration.			
	CO4	Types of Reversible Electrodes, Nernst Equation, Types of electrode, Electro-Chemical Series and it's significance.			
	CO5	Buffer-Acidic and Basic Buffers, Mechanism of Buffer Action. Types of corrosion.			

Course	Course Outcome		PSO	CL	KC
<b>Paper IX &amp; XII Lab Course</b>	CO1	Study the Gravimetric Estimation of Zn, Mn, Ni, Ba and Al.			
	CO2	Understanding the Complexometric Titration of Zn, Ni, Cu and Pb by using indicator.			
	CO3	To study the instruments of conductometer, pH-meter, colorimeter, Polarimeter and refractive meter.			
	CO4	To prepare Organic Derivatives like Acetyl, Benzoyl, Hydrolysis, Bromo, Reduction and Osazone derivatives.			
	CO5	The organic estimations of estimation of nitro group by reduction.			
	CO6	Estimation of glucose.			
	CO7	Estimation of ester and amides by hydrolysis.			



**Course Outcome (CO) for B. Sc. III**

Course	Course Outcome		PSO	CL	KC
<b>Paper XIII Physical Chemistry</b>	CO1	Study Black body radiation, Planck's radiation law, Photoelectric effect, Compton effect, De Broglie Hypothesis.			
	CO2	Heisenberg's uncertainty principles, Hamiltonian operator, Schrodinger wave equation and its importance.			
	CO3	Understanding the concept : Electromagnetic radiation, regions of the spectrum, basic features of different spectrometers, statement of the Born-Oppenheimer approximation, Rotational spectrum and numerical problems.			
	CO4	Study laws of photochemistry, Grothus-Draper law, Stark-Einstein law, Jablonski diagram.			
	CO5	Quantum yield and its types.			
	CO6	Understanding the Nano-materials and synthesis methods.			

Course	Course Outcome		PSO	CL	KC
<b>Paper XIV Organic Chemistry</b>	CO1	Detailed study of NMR spectroscopy, Structure determination of organic compounds using NMR, IR and UV techniques.			
	CO2	Chemical reactions of organometallic compounds like G.R., organozinc and organolithium compounds.			
	CO3	Synthetic applications of active methylene groups: ethyl acetoacetate and diethyl malonate.			
	CO4	Chemistry of fats, oils and detergents.			

Course	Course Outcome		PSO	CL	KC
<b>Paper XVI Inorganic Chemistry</b>	CO1	Students will able to understand: Crystal field theory and its basic concepts, splitting of d-orbitals in octahedral, tetrahedral and square planar complexes, factors affecting CFT.			
	CO2	Types of electronic transitions, Selection rules for d-d transition, energy level diagrams.			
	CO3	Nomenclature and classification of organometallic compounds, preparation			



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		and properties.			
	CO4	Essential and trace elements in biological processes, biological role of $\text{Na}^+$ and $\text{K}^+$ , nitrogen fixation			
	CO5	Classification of chromatographic techniques, ascending, descending techniques, TLC application			

Course	Course Outcome		PSO	CL	KC
<b>Paper XVII Organic Chemistry</b>	CO1	Synthesis of heterocyclic compounds, electrophilic and nucleophilic reactions of heterocyclic compounds. Comparison of basicity of pyridine, piperidine and pyrrole.			
	CO2	Introduction and classification of carbohydrates, open and ring structure of glucose, mechanism of mutarotation and polysaccharides			
	CO3	Classification and synthesis of synthetic polymers, properties of polymers, introduction to synthetic rubber and its uses.			
	CO4	Color and constitution of dyes, synthesis of dyes, classification, synthesis of drugs, properties of ideal drug.			

Course	Course Outcome		PSO	CL	KC
<b>Paper XV &amp; XVIII Lab Course</b>	CO1	Semi-micro qualitative analysis, organic and inorganic quantitative analysis.			
	CO2	Separation of Ca and Ni from binary mix. and estimation of Ni gravimetrically			
	CO3	Estimation of Cl in given sample of bleaching powder.			
	CO4	Estimation of Vit. C, ascorbic acid, carbonyl group			
	CO5	Organic preparation and its purity by TLC			
	CO6	Conductometric, pH metric and potentiometric titrations.			
	CO7	Determination of interfacial tension, standard free energy change.			



### PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF PHYSICS

<b>PSO1</b>	Understand the basic concepts of mechanics, relativistic physics, nuclear physics, optics, spectroscopy, solid state physics, nuclear physics, statistical physics, modern physics and thermodynamics and significance of the various physical phenomena.
<b>PSO2</b>	Implemented the physical laws for the physics related practical applications.
<b>PSO3</b>	Apply the conceptual understanding and the skills acquired to solve real time problems.
<b>PSO4</b>	Learn to minimize contributing variables and recognize the limitations of equipment.
<b>PSO5</b>	Discovery of physics concepts in other disciplines such as mathematics, computer science, engineering, and chemistry.
<b>PSO6</b>	Students will be capable of oral and written scientific communication and will prove that they can think critically and work independently

#### Abbreviations used:

**CL – Cognitive level**      U – understand;      Ap – apply;      An – analyze; C - create  
**KC – Knowledge category**      C – conceptual;      F – factual;      P - procedural



## COURSE OUTCOMES (CO): DEPARTMENT OF PHYSICS

### Course Outcome (CO) for B. Sc. I

Course	Course Outcome		PSO	CL	KC
<b>Phy101</b> (Mechanics, Properties of Matter and Sound)	CO1	Understand the concepts of mechanics, acoustics and the properties of matter	PSO1	U	C
	CO2	Understand the basic ideas of elasticity	PSO3	U	C
	CO3	Understand and apply the basic concepts of viscosity and surface tension to physical systems	PSO5	Ap	C, P
	CO4	Understand application of acoustics in noise and music, musical scale, sonar and ultrasonic.	PSO2	An	C, P
<b>Phy102</b> (Heat and Thermodynamics)	CO1	Understand and analyze the basic concepts of thermal conductivity	PSO4	An	C, F
	CO2	Understand concepts of Real gases and Transport phenomenon	PSO1	U	C
	CO3	Understand the thermodynamics processes and Heat engine	PSO5	U	C
	CO4	Understand the basic ideas of entropy, and second law of thermodynamics and its applications	PSO3	U	C, P
<b>Phy103</b> (Practical)	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in	PSO6	Ap	C, P



		physics.			
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy104 (Geometrical and Physical Optics)</b>	CO1	Understand foundation of optics and apply it for optical instruments	PSO2	Ap	C
	CO2	Understand the basic concepts of interference	PSO1	U	C
	CO3	Understand the basic concepts of diffraction	PSO1	U	C
	CO4	Understand the concepts of polarization	PSO5	U	C
<b>Phy105 (Electricity and Magnetism)</b>	CO1	Learn and understand vector and scalar. Understand divergence, gradient and curl and their physical interpretation	PSO3	U	C
	CO2	Understand the basic ideas of static and current electricity	PSO1	U	C
	CO3	Understand the mechanism of magnetic field in matter	PSO2	U	C, P
	CO4	Understand the transient currents	PSO1	U	C
<b>Phy106 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics	PSO6	Ap	C, P



		techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.			
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**Course Outcome (CO) for B. Sc. II**

Course	Course Outcome		PSO	CL	KC
<b>Phy 201 (Mathematical, Statistical Physics and Relativity)</b>	CO1	Understand differential equations i.e. ordinary differential equations with constant coefficients, first order ODE's with variable coefficients, second order ODE's partial differential equation	PSO1	U	C
	CO2	Understand the basic principles of statistical physics, classical statistics and its applications	PSO2	U	C
	CO3	Understand the basic principles of quantum statistics and its applications	PSO2	U	C
	CO4	Understand the fundamental ideas of special relativity	PSO3	U	C
<b>Phy 202 (Modern and Nuclear Physics)</b>	CO1	Understand the basic concepts of photoelectric effect and their applications in daily life	POS2	Ap	C, P
	CO2	Understand the basic concepts of X-ray and their applications in research and industry	PSO3	Ap	C, P
	CO3	Understand the basic aspects of nuclear Physics	PSO1	U	C
	CO4	Describe the principle and working of particle accelerators	PSO1	U	C, P





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<b>Phy 203 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy 204 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy 205 (General Electronics)</b>	CO1	Apply and illustrate the principles of semiconductor diode and transistor	PSO1	Ap	C
	CO2	Understand the working and designing of transistor biasing and Op – Amp and its applications	PSO3	Ap	C, P
	CO3	Understand the basic operation Oscillators and Multivibrators	PSO2	U	C



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	CO4	Understand the basics of Modulation and demodulation	PSO1	U	C
<b>Phy 206 (Solid State Physics)</b>	CO1	Understand the basic aspects of crystallography in solid state physics	PSO3	U	C
	CO2	Understand the basic ideas of bonding in materials	PSO5	U	C
	CO3	Understand the basic concepts of thermal properties of solids	PSO1	U	C
	CO4	Understand the basics of Transport properties	PSO1	U	C
<b>Phy 207 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy 208 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P



	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
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**Course Outcome (CO) for B. Sc. III**

Course	Course Outcome		PSO	CL	KC
<b>Phy 301 (Classical and Quantum Mechanics)</b>	CO1	Understand the mechanics of system of particles	PSO1	U	C
	CO2	To study Origin of Quantum Mechanics	PSO1	U	C
	CO3	Learn more about Physical interpretation of wave function	PSO1	Ap	C, P
	CO4	Outline the basic Schrodinger's equation in spherical polar co-ordinate system, Compare the different Operators in Quantum Mechanics	PSO1	U	C
<b>Phy 302 (Electrodynamics)</b>	CO1	Understand the basic concepts of electrostatics	PSO1	U	C
	CO2	Understand the time varying fields	PSO1	U	C
	CO3	Understand and analyze the properties of electromagnetic waves	PSO5	An	C, P
	CO4	Understand the mechanism of Interaction of Electromagnetic waves in matter	PSO2	U	C
<b>Phy 303 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P



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	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy 304 (Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulates, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy 305 (Atomic, Molecular Physics and LASER)</b>	CO1	Understand the basic of atomic model	PSO1	U	C
	CO2	Understand many electron atoms and interaction of spins i.e. LS and JJ coupling	PSO5	U	C
	CO3	Understand rotational, vibrational, electronic and Raman spectra of molecules and their applications	PSO5	U	C
	CO4	Understand the basic principles of	PSO3	U	C



		Laser and Describe the applications			
<b>Phy 306</b> <b>(Non-conventional energy sources and Optical fiber)</b>	CO1	Understand the need of energy conversion and the various methods of energy storage	PSO5	U	C
	CO2	Explain the field applications of solar energy	PSO2	U, Ap	C
	CO3	Demonstrate an understanding of optical fiber communication link, structure, propagation and transmission properties of an optical fiber	PSO2	U	C
	CO4	To understand the construction and characteristics of optical fiber cable	PSO2	U	C
<b>Phy 307</b> <b>(Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulate, and solve physics problems.	PSO6	Ap	C, P
	CO3	The ability to formulate, conduct, analyze and interpret experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P
<b>Phy 308</b> <b>(Practical)</b>	CO1	A working knowledge of fundamental physics and basic mechanics principles.	PSO6	Ap	C, P
	CO2	The ability to identify, formulate, and	PSO6	Ap	C, P



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		solve physics problems.			
	CO3	The ability to formulate, conduct, analyzes and interprets experiments in physics.	PSO6	Ap	C, P
	CO4	The ability to use modern physics techniques and tools, including mathematical techniques, graphs and laboratory instrumentation.	PSO6	Ap	C, P



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF ZOOLOGY

<b>PSO1</b>	Acquire basic skills in the observation and study of nature, biological techniques, experimental skills and scientific investigation
<b>PSO2</b>	Students gain knowledge and skill in the fundamentals of animal sciences, understands the complex interactions among various living organisms
<b>PSO3</b>	Correlates the physiological processes of animals and relationship of organ systems
<b>PSO4</b>	Gain knowledge of Agro based Small Scale industries like sericulture, fish farming, butterfly farming and vermicomposting preparation.
<b>PSO5</b>	Apply the knowledge and understanding of Zoology to one's own life and work
<b>PSO6</b>	Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.
<b>PSO7</b>	Correlates the physiological processes of animals and relationship of organ systems
<b>PSO8</b>	Understanding of environmental conservation processes and its importance, pollution control and biodiversity and protection of endangered species
<b>PSO9</b>	Understands about various concepts of genetics and its importance in human health
<b>PSO10</b>	Develops empathy and love towards the animals

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

## COURSE OUTCOMES (CO): DEPARTMENT OF ZOOLOGY

### Course Outcome (CO) for B. Sc. I

Course	Course Outcome	PSO	CL	KC
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<b>ZOL 101 Protozoa to Annelida</b>	CO1	Came to knowing the basic concept of biosystematics and procedure in taxonomy.			
	CO2	Identified the taxonomic status of the entire non-chordates up to annelids and discuss the evolutionary model of the group.			
	CO3	Described the general biology of few selected non-chordates useful to mankind.			
	CO4	Know about some of the important and common protozoans, helminths of parasitic nature causing diseases in human beings.			

Course	Course Outcome		PSO	CL	KC
<b>ZOL-102 Cell biology Course Code</b>	CO1	Understood the structure of cells and cell organelles in relation to the functional aspects and understanding of the working principles and applications of microscopes			
	CO2	Described the composition of prokaryotic and eukaryotic cells.			
	CO3	Understood the structure and functions of chromosome; mitotic and meiotic cell divisions and their significance			
	CO4	Understood the properties and treatment of cancer cells.			
	CO5	Acquired knowledge of principles and working mechanisms of microscopes			
	CO6	Understood the mechanism of mitosis and meiosis.			

Course	Course Outcome		PSO	CL	KC
<b>ZOL 201 Arthropoda to Protochordata</b>	CO1	Understood the importance of metamerism in annelids.			
	CO2	Understood the diversity and classification and functional aspects of different systems of phylum Arthropoda, Mollusca and Echinodermata.			





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	CO3	Described the social life and economic importance of insects.			
	CO4	Described the advanced characteristic features of cephalopod molluscs.			
	CO5	Came to know that the resemblance and evolutionary significance of larval forms of echinoderms.			

Course	Course Outcome		PSO	CL	KC
<b>ZOL 202 Genetics I</b>	CO1	Understood the theories of classical genetics and blood group inheritance in man			
	CO2	Described the genetic variation through linkage and crossing over, chromosomal aberrations and sex determination.			
	CO3	Understood the genetic defects and inborn errors of metabolism and genetic counselling and role of inbreeding and outbreeding.			
	CO4	Understood the molecular structure of genetic materials and understood the mechanism of gene expression and regulation character formation.			

**Course Outcome (CO) for B. Sc. II**

Course	Course Outcome		PSO	CL	KC
<b>ZOL 301 Vertebrate Zoology</b>	CO1	Identified the taxonomic status of the entire chordates and discussed the evolutionary model of the group.			
	CO2	Imparted the knowledge on ecology of some important fishes, amphibians reptiles, birds and mammals.			
	CO3	Impart knowledge in comparative anatomy and development systems of chordates.			
	CO4	Make able to discuss some and very important phenomena in Chordates.			



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	CO5	Know about the conservation and management strategies of the chordate fauna.			
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Course	Course Outcome		PSO	CL	KC
<b>ZOL 302 Genetics II</b>	CO1	To study the structure of nucleic acids.			
	CO2	To understand the gene expression and regulation in Prokaryotes & Eukaryotes.			
	CO3	To gain better knowledge in both Prokaryotes & Eukaryotes about the Gene Mutation, Repair Mechanisms, Nuclear Genome Organization, Genes and gene numbers.			
	CO4	Comprehensive and detailed analysis of fine structure of the gene.			
	CO5	Analyze the role of transposable elements in prokaryotes and eukaryotes.			
	CO6	Insight into the manipulation of genetic material for a wide variety of			

Course	Course Outcome		PSO	CL	KC
<b>ZOL 401 Animal physiology</b>	CO1	Students gain fundamental knowledge of animal physiology			
	CO2	Students will gain skill to execute the roles of a biology teacher or medical lab technicians with training as they have basic fundamentals			
	CO3	Students are taught the detailed concepts of digestion respiration excretion the functioning of nerves and muscles			
	CO4	Understood about the composition of food and mechanism of digestion absorption and assimilation.			
	CO5	Attained knowledge of respiration and excretion and understood the mechanism of transport of gases and urine formation.			
	CO6	Described the mechanism of circulation and composition of blood			
	CO7	Knowledge of neuromuscular coordination and the mechanism of osmoregulation in animals and endocrine			



		system and their function is attained.			
	CO8	Understood the menstrual cycle and the role of contraceptive in population control.			

Course	Course Outcome		PSO	CL	KC
<b>ZOL 402</b> <b>Biochemistry &amp; Endocrinology</b>	CO1	This paper gives an idea about the glands which works inside the body and secretes a chemical called hormone.			
	CO2	Comprehended the energy source, chemical bonds and the principles of thermodynamics.			
	CO3	Understood the importance of acid base balance.			
	CO4	Attained the knowledge of macromolecule such as carbohydrates, protein and fat, their types and significance.			
	CO5	Understood the knowledge of cholesterol and its biological significance.			
	CO6	Described the enzymes, mechanism of enzyme action and factors affecting the enzyme activity.			
	CO7	Understood the types and importance of vitamins.			
	CO8	Interactions and interdependence of physiological and biochemical processes.			

**Course Outcome (CO) for B. Sc. III**

Course	Course Outcome		PSO	CL	KC
<b>ZOL 501</b> <b>Ecology</b>	CO1	Learn basic concepts.			
	CO2	Learn Auto Ecology and Population Ecology.			
	CO3	Learn Dynamics of Population.			
	CO4	Learn Ecology of Communities.			
	CO5	Learn Functional and Structural Features of Communities.			



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	CO6	Learn Ecosystem and Characteristics.			
	CO7	Learn Functional Characteristics of Ecosystems.			
	CO8	Learn Ecological Cycles, Biological Accumulation.			
	CO9	Learn The Great Ecosystems in the World.			
	CO10	Learn Evolutional Ecology, Natural Selection, Genetic Variability.			
	CO11	Learn Life Strategies, Gene Banks.			
	CO12	Learn Applied Ecology.			
	CO13	Learn Ecological Problems of Humanity, Protection of the Nature and Biological Variability.			

Course	Course Outcome		PSO	CL	KC
<b>ZOL 502</b> <b>Parasitology and Helminthes I</b>	CO1	Describe the common parasitic diseases and life-threatening conditions caused by helminthes and protozoa as regards etiology and life cycle of parasites of medical importance.			
	CO2	Describe the common diseases caused by helminthes and protozoa as regards pathogenesis, clinical features, differential diagnosis and complications.			
	CO3	Point out the methods of recovery of parasites and their culture methods as well as immunological and molecular methods used for diagnosis of parasitic infections.			
	CO4	Define the principles of management for common parasitic diseases and life-threatening conditions.			
	CO5	Outline methods of disease prevention.			
	CO6	Recognize safety procedures relevant to parasitic diseases during practical year.			

	Course Outcome	PSO	CL	KC
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Course				
<b>ZOL-601 Evolution</b>	CO1	Define Geological Time Scale and describe zoogeographical Realms.		
	CO2	Describe the barriers, dispersals and their impact on animal Distribution.		
	CO3	Describe the adaptive features of both primary and secondary aquatic vertebrates.		
	CO4	Describe the adaptive features of desert reptile and mammals.		
	CO5	Write down the Chemical basis of origin of life and experiments for supporting that idea.		
	CO6	Describe the Theory of Evolution considering Darwinism and Modern Synthetic Theory.		
	CO7	Describe the Isolating mechanisms, modes of speciation, Biological & Evolutionary Species		

Course		Course Outcome	PSO	CL	KC
<b>ZOL 602 Parasitology and Helminthes II</b>	CO1	Identify, describe and contrast unicellular parasites and parasitic worms Utilise			
	CO2	knowledge in the application of parasite control and treatment methodologies			
	CO3	Describe specific human and non-human parasitic diseases			
	CO4	observe live parasitic specimens			
	CO5	Report on observations of biological specimens such as parasites			
	CO6	Appraise the impacts of parasitic diseases on human societies			
	CO7	Evaluate the complexity of the parasite/host relationship (parasite evasion mechanisms vs host defensive mechanisms)			



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF BOTANY

On completion of program students will be specifically able to

<b>PSO1</b>	B. Sc. botany programme gives knowledge of plants from primitive to evolutionary forms of plants.
<b>PSO2</b>	It gives understanding of morphology, histology, anatomy and embryology of angiospermic plants.
<b>PSO3</b>	It gives knowledge of identification of flowering plants and its classification system up to genus to species level and also describes economic importance.
<b>PSO4</b>	It gives knowledge of physiological experimental process and ecological adaptation to environment of plants.
<b>PSO5</b>	It gives knowledge of plant cell and its molecular structure, genetics and biotechnology, heredity and variation of genes from one generation to next generation.
<b>PSO6</b>	Its gives knowledge of different plant families and species of angiospermic plants and describe conservation method of different plants.
<b>PSO7</b>	B. Sc. botany programme gives knowledge of plant and environment and its benefits to society.

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural

## COURSE OUTCOMES (CO): DEPARTMENT OF BOTANY

### Course Outcome (CO) for B. Sc. I, II, III

Course	Course Outcome		PSO	CL	KC
I. Diversity of Cryptogams - 1	CO1	The students will be able to understand the Structure and reproduction of certain selected algae, fungi.			
	CO2	Learn about the importance of the plant diversity.			
	CO3	They will know the economic values of			



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		this lower group of plant community.			
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Course	Course Outcome		PSO	CL	KC
II. Morphology of Angiosperms	CO1	The Students will understand various Angiosperm plant habits.			
	CO2	Learn about vegetative and reproductive structural features of Angiosperms.			
	CO3	Understand various modifications and its purpose in plant parts.			

Course	Course Outcome		PSO	CL	KC
V. Diversity of Cryptogams- II	CO1	The students will learn about the structure and reproduction of certain selected species of and bryophytes, pteridophytes and Gymnosperms.			
	CO2	Learn few representatives of fossil forms.			

Course	Course Outcome		PSO	CL	KC
VI. Histology, Anatomy and Embryology	CO1	The students will learn about the basic concepts in anatomy.			
	CO2	Understand the various components of stem and wood during its secondary growth.			
	CO3	Be enlightened about the mechanism of Pollination and basic structure of the embryo.			

Course	Course Outcome		PSO	CL	KC
IX. Taxonomy of Angiosperms	CO1	Comprehend the concepts of plant taxonomy.			
	CO2	Learn about various Angiosperm families and its economic value.			

Course	Course Outcome		PSO	CL	KC
X. Plant Ecology	CO1	The students will understand the basic concepts of general geology, ecology			



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		and phytogeography.			
	CO2	Learn about the analyze and basic principles of Ecology.			
	CO3	Understand the importance of ecology and Conservation.			

Course	Course Outcome		PSO	CL	KC
XIII. Gymnosperms and Utilization of plants	CO1	Know the characters of Gymnosperms.			
	CO2	The students will understand the use of the plant resources to produce valuable products.			
	CO3	Be enlightened about the opportunities for income and employment generation.			
	CO4	Be able to develop the ability to think and create useful plant products.			

Course	Course Outcome		PSO	CL	KC
XIV. Plant Physiology	CO1	The Students will learn about absorption, translocation and utilization of water and other minerals.			
	CO2	Comprehend the changes during growth process (germination to abscission).			
	CO3	Understand the energy flow and various metabolic cycles with their integration.			
	CO4	Get an overall perception about various physiological processes occurring in plants.			

Course	Course Outcome		PSO	CL	KC
XVII. Cell Biology and Molecular Biology	CO1	The students will be able to learn about then basics of cell and its inclusions.			
	CO2	By the end of this course students will be able to understand the structure of cells in relation to the functional aspects.			
	CO3	To understand the difference between prokaryotic and eukaryotic cells.			





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	CO4	To learn the functioning of the cell at the molecular level.			
	CO5	To understand the properties of nucleic acids (DNA & RNA).			

Course	Course Outcome		PSO	CL	KC
XVIII(C) Plant Pathology	CO1	Know the terminologies in plant pathology.			
	CO2	Understand the scope and importance of Plant Pathology.			
	CO3	Know the control measures of plant diseases.			

Course	Course Outcome		PSO	CL	KC
XXI. Genetics and Biotechnology	CO1	Understand the basic concepts of mendelian genetics, its variations and applications.			
	CO2	Have a basic understanding of the plant genetic transformation methods.			
	CO3	The students will understand the basic Concepts of genome organization in plants.			
	CO4	Be fully aware of the basics and applications of plant biotechnology.			

Course	Course Outcome		PSO	CL	KC
XXII (C) Microbiology and Disease Management	CO1	The students will get an understanding about the diversity of microbes.			
	CO2	They will learn the potentialities of microbes Enhancing human welfare.			
	CO3	They Will be enlightened about the role of Microbes ecological balancing of nature.			



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF BOTANY

On completion of program students will be specifically able to

<b>PSO1</b>	Identify classify the plants by using the key characters.
<b>PSO2</b>	Prepare and view specimens for examination using light microscopy.
<b>PSO3</b>	Use pure culture and selective techniques to isolate fungi, plant pathogens, algae and identify them growing on media.
<b>PSO4</b>	Qualitative and quantitative estimate the number of oral components by using enumeration and suitable sampling and techniques.
<b>PSO5</b>	Use appropriate plant molecular techniques and use of instrumentation related to it.
<b>PSO6</b>	Practices of laboratory procedures, using appropriate protective, biosafety and emergency procedures.
<b>PSO7</b>	Documentation and report writing one experimental protocols, results and conclusions, study tours and filed visits etc.

### Abbreviations used:

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**KC – Knowledge Category:** C – Conceptual, P – Procedural

## COURSE OUTCOMES (CO): DEPARTMENT OF BOTANY

### Course Outcome (CO) for M. Sc. I, II

Course	Course Outcome		PSO	CL	KC
BOT 401 CELL BIOLOGY	CO1	After successful completion of this course, students will be able to:			
		The cell structures in relation to function of cells the fundamental unit of life, are concerned in this course along with molecules present in cells.			
	CO2	Apply the principles of cell biology in designing experiment,			



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		statistical analysis, and interpretation of results.			
	CO3	Operate and solve exercise using computation statistics software. Get acquainted with basic approach in the research methodology.			

Course	Course Outcome		PS O	C L	K C
BOT 402 MOLECULAR BIOLOGY	CO1	After successful completion of this course, students will be able to:  Acquaint with concepts in prokaryotic, eukaryotic and viral genetics.			
	CO2	Explain central dogma of molecular biology (replication, transcription, translation).			
	CO3	Enlist and explain types of mutation, gene regulation and transposable element.			

Course	Course Outcome		PS O	C L	K C
BOT 402 MOLECULAR BIOLOGY	CO1	After successful completion of this course, students will be able to:  Acquaint with concepts in prokaryotic, eukaryotic and viral genetics.			
	CO2	Explain central dogma of molecular biology (replication, transcription, translation)			
	CO3	Enlist and explain types of mutation, gene regulation and transposable element.			
	CO4	Conversant with Laboratory Techniques viz. Microscopy, SEM & TEM, Ultracentrifugation, fractionation, Electrophoresis, PCR, GISH, FISH and Immunochemical techniques. The flow cytometry and confocal microscopy in karyo type analysis.			
	CO5	Isolation of plant DNA and its quantification.			
	CO6	Isolation of RNA and its quantification.			
	CO7	Estimation of seed proteins.			

Course	Course Outcome		PS O	C L	K C
BOT 403 BIOLOGY AND DIVERSITY OF VIRUS, PHYTOPLASM,	CO1	After successful completion of this course, students will be able to:			
		Comprehend the diversity of lower cryptogams (Algae,			



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BACTERIA, ALGAE AND FUNGI		Fungi, Bacteria, Phytoplasma and viruses. Collection and study of algae, fungi, bacteria from different localities, Identification up to generic level.			
	CO2	Recognize the morphology, anatomy, physiology, reproduction and life cycle pattern.			
	CO3	Their diversification and familiarize with various ecological niche. Positive and negative values.			

Course	Course Outcome		PS O	C L	K C
BOT 404 TAXONOMY OF ANGIOSPERMS	CO1	After successful completion of this course, students will be able to:  Study of plant morphology.			
	CO2	Description of a plant specimen.			
	CO3	Study of at least 20 locally available families of flowering plants.			
	CO4	Identification of genus and species of locally available wild plants.			
	CO5	Preparation of botanical keys at generic level by locating key characters.			
	CO6	Knowledge of atleast 10 medicinal plant species.			
	CO7	Knowledge of secondary metabolites and its use in taxonomy.			

Course	Course Outcome		PS O	C L	K C
BOT 405 CYTOLOGY AND GENETICS	CO1	After successful completion of this course, students will be able to:  Know about the induction of polyploidy in plants using colchicines, methods of application of colchicine.			
	CO2	Isolation of biochemical mutants following physical and chemical mutagenic.			
	CO3	Isolation of chlorophyll mutants following physical and chemical mutagenic treatments.			
	CO4	Isolation of morphological mutants following physical and chemical mutagenic treatments.			
	CO5	Karyotype analysis, Meiosis of complex translocation heterozygotes.			
	CO6	Meiotic behavior of monosomy, trisomy in plants and its effect.			



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	CO7	Chromosomal behavior in mutagen treated plants. Chromatin organization, Structural and Numerical alterations in chromosomes.			
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Course	Course Outcome		PS O	C L	K C
BOT 406 PLANT DEVELOPMENT AND REPRODUCTION	CO1	After successful completion of this course, students will be able to:  Know about plants anatomical structure, their developmental patterns.			
	CO2	Plant reproductive parts development of male, female gametophytes and fruits.			
	CO3	Vascular tissues and its constituents by sections and maceration, wood anatomy, TS, TLS and RLS.			
	CO4	Mechanical tissues (Collenchyma, Sclerenchyma, Stone cells and Xylem), Secretary tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels).			
	CO5	Normal and abnormal secondary growth etc.			

Course	Course Outcome		PS O	C L	K C
BOT 407 BIOTECHNOLOGY	CO1	After successful completion of this course, students will be able to:  Know about Equipment's required in Tissue culture Lab.			
	CO2	Media preparation techniques for different plants.			
	CO3	Sterilization techniques for media as well as for explants.			
	CO4	Explant Culture. Anther culture Pollen culture, Micropropagation. Embryo rescue technique.			
	CO5	Some clonal variation. <i>In vitro</i> mutation. Isolation of plant proto plasts and viability testing.			
	CO6	Protoplast fusion techniques. Tissue culture of important Horticultural, medicinal plants.			

Course	Course Outcome		PS O	C L	K C
BOT 408 PLANT PHYSIOLOGY	CO1	After successful completion of this course, students will be able to:			



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AND METABOLISM		After completion of the course the students are familiar with various physiological aspects involved in the plant development.			
	CO2	Also the role of enzymes in it and mechanism of photosynthesis, respiration, nitrogen and lipid metabolism.			
	CO3	The students are able to isolate starch, pectin and various nutritive products from the plants.			
	CO4	Qualitative and quantification of the plant contents and its biochemistry and mode /mechanism of synthesis etc.			

Course	Course Outcome		PS O	C L	K C
BOT 501 BIOLOGY AND DIVERSITY OF BRYOPHYTES, PTERIDOPHYTES AND GYMNOSPERMS	CO1	After successful completion of this course, students will be able to:  To know about morphological, anatomical and developmental patterns in the bryophytes, pteridophytes and gymnosperms.			
	CO2	To know about the reproductive parts their development and mechanism of reproduction and lifecycle pattern.			
	CO3	Thallus and wood anatomy, Mechanical tissues (Collenchyma, Sclerenchyma, Stonecells and Xylem), Secretary tissues (Mucilage Canals, Resin canals, Nectaries, and oil glands), laticifers (Latex cells and Vessels).			
	CO4	Economic values of the lower plants.			

Course	Course Outcome		PS O	C L	K C
BOT 502 ECOLOGY AND CONSERVATION	CO1	On completion of this course the students are able to analyze various types of ecosystems, correlate different ecosystems.			
	CO2	To analyze the threat and suggest conservative measures.			
	CO3	The students are also trained in the environmental impact analysis.			



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	CO4	Students are able to analyze, monitor various physical, chemical and biological properties of soil water and air.			
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Course	Course Outcome		PS O	C L	K C
BOT 521 APLANT PATHOLOGY –I	CO1	Describe the introduction, definition of different terms and basic concepts of mycology.			
	CO2	Elaborate the importance of mycology in agriculture, relation of fungi to human affairs and historical landmarks of mycology.			
	CO3	Elaborate the concepts of nomenclature and classification, fungal biodiversity, reproduction in fungi.			
	CO4	Explain the comparative morphology, ultrastructure, characters of different groups of fungi up to generic level: (a) Myxomycota and (b) Eumycota- i) Mastigomycotina ii) Zygomycotina, iii) Ascomycotina, iv) Basidiomycotina, v) Deuteromycotina.			
	CO5	Identify the origin of the principal microorganisms of importance in the industrial environment.			
	CO6	Know the role of microorganisms in different production processes in order to improve these processes and ensure their success.			

Course	Course Outcome		PS O	C L	K C
BOT 522BPLANT PATHOLOGY – II	CO1	After completion of the course the students are able to:  Describe in detail definitions, concept, history of plant disease. Provide basic understanding about biotic and abiotic factors and causes of plant disease.			
	CO2	Develop an understanding about growth, reproduction and role of environment in plant diseases.			
	CO3	Enumerate and explain recognition concept and infection, symptomatology, disease development- role of enzymes, toxins, growth regulators; defense strategies- oxidative burst; Phenolics, Phytoalexins, PR proteins, Elicitors. Altered plant metabolism as affected by plant pathogens.			
	CO4	Develop an understanding about genetics of resistance; 'R' genes; mechanism of genetic variation in pathogens; molecular basis for resistance; marker-assisted selection; genetic engineering for disease resistance.			
	CO5	Explain in detail different plant management strategies.			





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Course	Course Outcome		PS O	C L	K C
BOT 525/ BOT 526 SERVICE COURSE	CO1	After completion of the course the students are able to:  The students can correlate the knowledge gained in this subject with his principle subject.			
	CO2	This gives an opportunity to learn other subjects of his interest which is not offered in his principle subject.			

Course	Course Outcome		PS O	C L	K C
BOT 504 BIOPROSPECTI NG AND PLANT RESOURCE UTILIZATION	CO1	On completion of this course, the students will be able to:  Understand core concepts of Economic Botany and relate with environment, populations, communities, and ecosystems.			
	CO2	Develop critical understanding on the evolution of concept of organization of apex new crops/varieties, importance of germplasm diversity, issues related to access and ownership.			
	CO3	Develop a basic knowledge of taxonomic diversity and important families of useful plants.			
	CO4	Understand the common cultivation methods of microalgae including photobioreactors and open ponds, Seaweed bio-resources etc.			
	CO5	Appreciate the diversity of plants and the plant products in human use.			
	CO6	Understand the concept of IPR, various legal issues related to IPR.			
	CO7	Exploring the potential of Marine bioresources, Microbial, medicinal plants etc.			
	CO8	Varoius phytochemical techniques, industrial process, pharmacognostic procedures, authentication of specimens, Preservation of plants and plants products.			

Course	Course Outcome		PS O	C L	K C
BOT 505 GENETIC ENGINEERING AND	CO1	After completion of the course the students are able to:  To use genetic engineering tools in crop improvement.			
	CO2	Use the Bioinformatics tool in Biological data analysis.			





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BIOINFORMATICS	CO3	Able to explain the methods used for characterizing and managing Biological data. Classify different types of Biological Data bases.			
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Course	Course Outcome		PS O	C L	K C
BOT 523 BPLANT PATHOLOGY – III	CO1	After completion of the course the students are able to:  Explain the principles of plant disease management by cultural, physical, biological, chemical, organic amendments and botanicals methods of plant disease control, integrated control measures of plant diseases.			
	CO2	Describe the disease resistance and molecular approach for disease management.			
	CO3	Describe the foliage, seed and soil application of chemicals, role of stickers, spreaders and other adjuvants, health vis-a-vis environmental hazards, residual effects and safety measures.			
	CO4	Understanding of history of fungicides, bactericides, antibiotics, concepts of pathogen, immobilization, chemical protection and chemotherapy, nature, properties and mode of action of antifungal, antibacterial and antiviral chemicals.			

Course	Course Outcome		PS O	C L	K C
BOT 524 (B) PLANT PATHOLOGY – IV	CO1	After completion of the course the students are able to:  Develop an understanding about growth, reproduction and role of environment in plant diseases.			
	CO2	Describe the introduction, definition, concept and tools of disease management, components of integrated disease management- their limitations and implications.			
	CO3	Understanding the development of IDM- basic principles, biological, chemical and cultural disease management.			
	CO4	Understanding the IDM in important crops- rice, wheat, cotton, sugarcane, chickpea, rapeseed- mustard, pearl millet, kharif pulses, vegetable crops and fruit crops.			

Course	Course Outcome		PS O	C L	K C
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BOT 525 PROJECT WORK	CO1	On completion of the research project the students will be able to:  Design the experiments of his interest and execute it.			
	CO2	Trained in handling of the basic and advance instruments.			
	CO3	Generate the data, compile and analyze and interpret the data.			
	CO4	Presentation skill is developed in the students.			
	CO5	The student is ready to work in any R & D setup.			



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF COMMERCE

PO <sub>1</sub>	<b>Leadership and Management Skills</b>	Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO <sub>2</sub>	<b>Employability and Entrepreneurial Skill</b>	Able to identify, assess and shape entrepreneurial opportunities and to evaluate their potential for initiating start-ups.
PO <sub>3</sub>	<b>Critical Thinking and Logical Reasoning</b>	Apply the perspective of their chosen specialized area of study to develop fully-reasoned opinions on contemporary issues.
PO <sub>4</sub>	<b>Effective Communication Skill</b>	Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology
PO <sub>5</sub>	<b>Self-directed and Life-long Learning</b>	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes and creating base for higher education
PO <sub>6</sub>	<b>Usage of Modern Tools in Business</b>	An ability to use appropriate techniques, skills, and modern tools necessary for practice in the respective field
PO <sub>7</sub>	<b>Digital Knowledge System</b>	an ability to find, evaluate, and clearly communicate information through typing and other media on various digital platforms
PO <sub>8</sub>	<b>Research Skill</b>	Ability to interpret and apply research literature to investigate complex problems using research methodologies, techniques and tools.

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural



## COURSE OUTCOMES (CO): DEPARTMENT OF COMMERCE

### Course Outcome (CO) for B. Com. I

Course		Course Outcome	PO
<b>Financial Accounting - I</b>	CO <sub>1</sub>	Provide a basic knowledge about Basic Concepts Fundamentals of Book Keeping accounting concepts.	PO <sub>1</sub>
	CO <sub>2</sub>	Understand use the Final accounts of a sole trading concern.	PO <sub>2</sub>
	CO <sub>3</sub>	Understanding the Final accounts of Non- trading concerns.	PO <sub>2</sub>
	CO <sub>4</sub>	To have knowledge on preparation Bank Reconciliation statement and Royalties.	PO <sub>1</sub>
	CO <sub>5</sub>	To have knowledge on preparing Depreciation Accounts.	PO <sub>2</sub>
<b>Business Mathematics &amp; Statistics I</b>	CO <sub>1</sub>	Be able to relate statistics and mathematics with economics to understand various economics policies	PO <sub>2</sub>
	CO <sub>2</sub>	Be able to use different statistical tools in research work	PO <sub>8</sub>
	CO <sub>3</sub>	This subject will help the students in selecting appropriate statistical methods and applying them in the analysis of data.	PO <sub>8</sub>
	CO <sub>4</sub>	Solve business arithmetic operations with fractions to do business problems, and be able to select methods need to solve problems	PO <sub>2</sub>
	CO <sub>5</sub>	Critically assess the strengths and weaknesses of published studies, and evaluate the validity of reported results.	PO <sub>8</sub>
<b>Business and Industrial Economics</b>	CO <sub>1</sub>	To enable students to understand how optimum real life decisions are taken by individuals under situations of scarcity	Po5
	CO <sub>2</sub>	To enable students to understand how optimum decisions are taken by firms in the economy.	Po1
	CO <sub>3</sub>	To enable students to understand how price decisions are taken by firms in the economy.	Po1
	CO <sub>4</sub>	To understand the pricing and output decisions under various market structure.	Po2
	CO <sub>5</sub>	To familiarize the students with the basic concept of economics	Po5
<b>IT Application in Business &amp; Business Communications</b>	CO <sub>1</sub>	Students will be familiarized with computer system and its communicating power.	PO7
	CO <sub>2</sub>	Students will understand the role of computerized system in corporate accounting & its application.	PO6
	CO <sub>3</sub>	They can use MS office in their routine activities.	PO2
	CO <sub>4</sub>	Students will understand the power of Internet world.	PO5
	CO <sub>5</sub>	Students will use MS excel properly in arithmetic work.	PO2



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<b>Entrepreneurship Development - I</b>	CO <sub>1</sub>	Students will understand the role of entrepreneurship in economic development of society.	PO8
	CO <sub>2</sub>	They will aware about Pradhan Mantri Skill India Programme and make in India movement.	PO5
	CO <sub>3</sub>	Understanding of entrepreneurship in service sector in 21 <sup>st</sup> century.	PO1
	CO <sub>4</sub>	Students will make their mindset for thinking entrepreneurship as career.	PO2
	CO <sub>5</sub>	They will get information about proper financing sources to business.	PO1
<b>Financial Accounting - II</b>	CO <sub>1</sub>	Have knowledge on preparing Branch and Departmental Accounts.	PO2
	CO <sub>2</sub>	Have kill in the procedure for preparing of accounts from incomplete Records.	PO1
	CO <sub>3</sub>	Learn about the partnership Accruing.	PO2
<b>Mathematics &amp; Statistics II</b>	CO <sub>1</sub>	This subject will help the students in selecting appropriate statistical methods and applying them in the analysis of data	PO <sub>8</sub>
	CO <sub>2</sub>	To Provide knowledge and information about statistical application	PO <sub>6</sub>
	CO <sub>3</sub>	To Create skill and ability among student for using the statistical method, tools, techniques by using it devices.	PO <sub>8</sub>
	CO <sub>4</sub>	To Provide logical reasoning, Ability and interpretation ,application of various statistical and mathematical tools and techniques in taking logical and scientific decision in business operation	PO <sub>1</sub>
	CO <sub>5</sub>	Critically assess the strengths and weaknesses of published studies, and evaluate the validity of reported results.	PO <sub>8</sub>
<b>Business Organization and Management</b>	CO <sub>1</sub>	Understand the concepts related to Business Organization	Po1
	CO <sub>2</sub>	Demonstrate the roles, skills and functions of management.	Po2
	CO <sub>3</sub>	To help the students gain understanding of the functions and responsibilities of managers.	Po1
	CO <sub>4</sub>	To enable them to analyze and understand the environment of the organization	Po5
	CO <sub>5</sub>	To help the students to develop cognizance of the importance of management principles.	Po5
<b>Business Communications and IT Application</b>	CO <sub>1</sub>	Students will aware about communication in business.	PO4
	CO <sub>2</sub>	They will able to make effective resume.	PO2
	CO <sub>3</sub>	Students will understand role of network and networking devices in business operation.	PO6
	CO <sub>4</sub>	Students can give an effective business presentation.	PO4



<b>Entrepreneurship Development - II</b>	CO <sub>1</sub>	Students will understand the entrepreneurial atmosphere in India.	PO1
	CO <sub>2</sub>	They will find out various chances are available for business in rural area of India.	PO2
	CO <sub>3</sub>	Students will get information about EDP in their own district.	PO5
	CO <sub>4</sub>	They can understand the proper method for project selection and preparation.	PO2

**Course Outcome (CO) for B. Com. II**

Course		Course Outcome	PO
<b>Corporate Accounting I</b>	CO1	Understanding the concept of Equity Shares Issue at Par, at Premium and at Discount & Forfeiture and Re-issue.	Po1
	CO2	Learning about the provisions relating to redemption of preference shares.	Po2
	CO3	Various Methods of Redemption, Writing off discount on Redemption of debentures.	Po2
	CO4	Ability to Valuation of Goodwill and shares & Learning about methods of valuation of shares.	Po2
	CO5	To learn the Pre -incorporation, Post -incorporation & Preparation of Final accounts of companies.	Po2
<b>Cost Accounting-I</b>	CO1	It's a very easy to learn to students the use of costing concept in manufacturing business like as wage calculation, preparation of cost sheet, budgeting and finding out total cost etc.	Po1
	CO2	Students will learn the difference between cost accounting and financial accounting.	Po2
	CO3	Students will understand difference between fixed overhead and variable overhead.	Po2
	CO4	They will aware about impact of fixed cost on earning of unit.	Po2
<b>IT Application in Business I</b>	CO <sub>1</sub>	To Provide assistance in understanding how internet workspace makes business enterprise work easier	PO <sub>3</sub>
	CO <sub>2</sub>	To help students to acquire internet & cloud skill's	PO <sub>7</sub>
	CO <sub>3</sub>	To create an understanding among students relating to cyber crimes	PO <sub>5</sub>
	CO <sub>4</sub>	To require skills to be employed at a various offices and administrative level jobs using technology	PO <sub>2</sub>
	CO <sub>5</sub>	student will acquire knowledge of major cyber-crimes and their resulting impact	PO <sub>5</sub>
<b>GST Account I</b>	CO <sub>1</sub>	The students will gain practical training under any GST practitioner and can also practice it as a profession	PO <sub>2</sub>
	CO <sub>2</sub>	The students will know how GST structure working in India, what are the authorities under GST and how to take credit on the	PO <sub>1</sub>



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		GST paid.	
	CO <sub>3</sub>	The students will have a better understanding of the Indirect tax regime of India being the literate citizens of India	PO <sub>1</sub>
	CO <sub>4</sub>	To acquire the theoretical knowledge of GST and its Evolution in India	PO <sub>1</sub>
	CO <sub>5</sub>	To enable the students to understand the GST Law, ITC, Valuation of supply and returns.	PO <sub>2</sub>
<b>Marketing Management</b>	CO1	Use of Various Techniques for sale of product in current market conditions.	Po6
	CO2	Understanding of channels of distribution.	Po5
	CO3	The role of marketing concept in Agricultural industry in India.	Po2
	CO4	Understanding and knowledge of Introduction of Marketing.	Po5
	CO5	To have knowledge on Product Planning and Development and Product lifecycle.	Po2
<b>Corporate Accounting- II</b>	CO1	To learn the Amalgamation as per AS-14, absorption and external reconstruction.	Po2
	CO2	Learn about the Alteration of share capital and Internal reconstruction.	Po1
	CO3	Understanding the concept of Accounts of Banking Companies & how to prepare Balance sheet format as per form A.	Po1
	CO4	Accounts of Insurance Companies Life, Fire and Marine.	Po1
<b>Cost Accounting- II</b>	CO1	Students will learn the various methods for reconciliation of costing record with financial record.	Po5
	CO2	Students can prepare tender and quotations for business.	Po2
	CO3	They will learn how to find out Normal and Abnormal Gain & Loss in process costing.	Po2
	CO4	Students will learn the accounting treatment for incomplete contracts.	Po2
<b>IT Application in Business II</b>	CO <sub>1</sub>	Students will gain a comprehensive understanding of the E-commerce landscape, current and emerging business models, and the technology and infrastructure requirement for the business.	PO <sub>2</sub>
	CO <sub>2</sub>	Developing an understanding on the importance of security, privacy, and planning issues related to E-Commerce	PO <sub>7</sub>
	CO <sub>3</sub>	Using the E-commerce platforms to enhance current business or incubate new business	PO <sub>2</sub>
	CO <sub>4</sub>	Understanding on how innovative use of the E-Commerce can help developing competitive advantage	PO <sub>2</sub>
	CO <sub>5</sub>	Developing an understanding on how internet can help business grow	PO <sub>1</sub>





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<b>GST Account II</b>	<b>CO<sub>1</sub></b>	The students can apply the provisions of GST and tackle with the situation(s) for their own business(s)	<b>PO<sub>2</sub></b>
	<b>CO<sub>2</sub></b>	The students will know how GST structure working in India, what are the authorities under GST and how to take credit on the GST paid	<b>PO<sub>1</sub></b>
	<b>CO<sub>3</sub></b>	The students can become GST practitioners and earn their living by having a good line of business and clientele.	<b>PO<sub>2</sub></b>
	<b>CO<sub>4</sub></b>	The students can take up a career as a Customs officer working at the airport as well as in the office of Central Board of Indirect Taxes and Customs	<b>PO<sub>2</sub></b>
	<b>CO<sub>5</sub></b>	Students will be able to calculate the customs duty to be paid by them.	<b>PO<sub>5</sub></b>
<b>Insurance</b>	<b>CO1</b>	Importance of insurance in business as well as human life.	<b>Po5</b>
	<b>CO2</b>	Understand the clearing procedures of insurance of life insurance.	<b>Po2</b>
	<b>CO3</b>	Benefit of unit linked insurance plan comparing with normal insurance policy.	<b>Po5</b>
	<b>CO4</b>	To have knowledge on Fire and Marine Insurance.	<b>Po1</b>
	<b>CO5</b>	To have knowledge on Miscellaneous Insurance.	<b>Po1</b>

**Course Outcome (CO) for B. Com. III**

<b>Course</b>		<b>Course Outcome</b>	<b>PO</b>
<b>Advanced Financial Accounting - I</b>	<b>CO1</b>	Prepare financial accounts for partnership firms in different situations of admission, retirement, death and insolvency of the partners.	<b>Po2</b>
	<b>CO2</b>	Prepare financial statements for partnership firm on dissolution of the firm.	<b>Po2</b>
	<b>CO3</b>	Employ critical thinking skills to understand the difference between the dissolution of the firm and dissolution of partnership.	<b>Po3</b>
	<b>CO4</b>	Understand the various types of capital structure of the company and their representation in the balance sheet.	<b>Po2</b>
<b>Management Accounting-I</b>	<b>CO1</b>	Students will understand the basic difference within Management Accounting and Financial Accounting.	<b>Po2</b>
	<b>CO2</b>	They will understand the importance of management accounting in decision making in business.	<b>Po1</b>
	<b>CO3</b>	Students will learn various ratios for understanding of current business situation.	<b>Po1</b>
	<b>CO4</b>	They will understand the importance of working capital and various factors that impacting to working capital.	<b>Po1</b>
	<b>CO5</b>	Students will learn heads of cash flow in business operation as per AS-3.	<b>Po2</b>





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<b>Auditing</b>	<b>CO1</b>	Apply their knowledge in the practical auditing work of various business organisations by using the concepts of the Auditing	PO <sub>1</sub>
	<b>CO2</b>	Search out opportunities and challenges in the field of the profession of Chartered Accountant at various levels.	PO <sub>2</sub>
	<b>CO3</b>	Develop an understanding of various auditing techniques such as vouching verification valuation report writing etc	PO <sub>4</sub>
	<b>CO4</b>	Working knowledge of the different type of audit of special businesses like banking and insurance.	PO <sub>1</sub>
	<b>CO5</b>	Able to work as an investigator of financial matters related with sole trader, partnership firm or a joint stock company.	PO <sub>2</sub>
<b>Business Regulatory Framework - I</b>	<b>CO1</b>	Students will aware the needs of business laws in India.	Po5
	<b>CO2</b>	They will understand the various essential factors that require to become valid contract between two parties.	Po2
	<b>CO3</b>	Students will understand the contractual ability of parties.	Po2
	<b>CO4</b>	They will learn the importance of free consent in contract.	Po2
	<b>CO5</b>	Students will understand the role of RBI in banking business in India.	Po1
<b>Computerized Accounting – I</b>	<b>CO<sub>1</sub></b>	To introduce the students to Basic of Accounts and the usage of Tally for accounting purpose.	PO <sub>2</sub>
	<b>CO<sub>2</sub></b>	To help students to work with well- known accounting software i.e. Tally ERP.9.Tally is an accounting package which is used for learning to maintain accounts.	PO <sub>6</sub>
	<b>CO<sub>3</sub></b>	Students will learn to create company, enter accounting voucher entries in Tally ERP.9 software.	PO <sub>6</sub>
	<b>CO<sub>4</sub></b>	Demonstrate an understanding of various predefined inventory vouchers	PO <sub>6</sub>
	<b>CO<sub>5</sub></b>	Demonstrate an understanding of how to maintain a payroll register	PO <sub>6</sub>
<b>Rural Development and Agricultural Management-I</b>	<b>CO1</b>	To expose student to the basics of knowledge one of the forms of commerce.	Co1
	<b>CO2</b>	To familiarize them with different types of scheme of GOVT.	Po2
	<b>CO3</b>	To make them understand the development of rural area.	Pio2
	<b>CO4</b>	To introduce some advanced techniques of agricultural development.	Po6
	<b>CO5</b>	To prepare student to go for detailed study and understand of rural and agricultural development.	Po8
<b>Advanced Financial Accounting - II</b>	<b>CO1</b>	Evaluate the different situations of capital issue to public like issue at premium, issue at discount, forfeiture of shares etc.	Po2
	<b>CO2</b>	Demonstrate an understanding about the profits of the company and their division.	Po1
	<b>CO3</b>	Preparation of financial accounts with profits before incorporation.	Po2



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	CO4	Understand the valuation of shares and goodwill and prepare financial statements accordingly.	Po2
<b>Management Accounting - II</b>	CO1	Students can understand the importance of budgeting in business as well as in human life.	Po5
	CO2	They can learn the various types of budgets in business.	Po1
	CO3	They can forecast the requirement of fund through budget.	Po1
	CO4	Students can understand the various steps in responsibility accounting.	Po2
<b>Direct Tax</b>	CO <sub>1</sub>	Understand the basic concepts of Indian income tax act 1961 and tax liability of person on the basis of their residential status.	PO <sub>3</sub>
	CO <sub>2</sub>	Develop the understanding and skill to calculate the various heads of the income of an individual assessee.	PO <sub>2</sub>
	CO <sub>3</sub>	Prepare and present statement of total income and state various provisions of deductions and calculations related with tax liability.	PO <sub>1</sub>
	CO <sub>4</sub>	Able to understand amendments made from time to time in Finance Act.	PO <sub>5</sub>
	CO <sub>5</sub>	Able to file IT return on an individual basis	PO <sub>7</sub>
<b>Business Regulatory Framework - II</b>	CO1	Students can understand the nature of negotiable instrument.	Po5
	CO2	They will know the rights of unpaid seller.	Po2
	CO3	Students will learn how to transfer ownership of material.	Po1
	CO4	They will understand the various types of cheques.	Po5
	CO5	They will aware about the composition of state and central human right commission.	Po5
<b>Computerized Accounting – II</b>	CO <sub>1</sub>	Students do possess required skill and can also be employed as Tally data entry operator	PO <sub>2</sub>
	CO <sub>2</sub>	Develop the students use the Tally software, that helps to prepare Accounting, Payroll, Billing, Sales and Profit Analysis, Auditing Banking Inventory, Taxation such as GST, TDS, TCS etc. Application of key accounting assumption and principles of Tally ERP.9 in real business	PO <sub>6</sub>
	CO <sub>3</sub>	Students be able to understand the need of Tally software in developing computerized accounts	PO <sub>2</sub>
	CO <sub>4</sub>	Students will be able to use accounting and business terminology in Tally package	PO <sub>6</sub>
	CO <sub>5</sub>	After the completion of this course, students be able to understand the essential components of internet in business and society	PO <sub>7</sub>
<b>Advertising &amp; Salesmanship</b>	CO1	Concept of Marketing; Marketing environment; Marketing Information System; Marketing Research; Consumer Behavior; Segmenting, Targeting and Positioning.	



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	<b>CO2</b>	Concept of Advertising; Advertising Objectives, Budget aida.	
	<b>CO3</b>	Advertising Media; Classifications of Advertising; Internet Advertising; Advertising Appeals; Role and Impact of Advertising on the Indian Economy.	
	<b>CO4</b>	Advertising and Indian Art & Culture; Advertising and Indian Society; Misleading and Deceptive advertisements.	
	<b>CO5</b>	Concept of Brand, Role of Social Media in Marketing Brands; Important concepts of Brand Management; Branding Decisions.	



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF COMMERCE

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PO <sub>2</sub>	<b>Employability and Entrepreneurial Skill</b>	Able to identify, assess and shape entrepreneurial opportunities and to evaluate their potential for initiating start-ups.
PO <sub>3</sub>	<b>Critical Thinking and Logical Reasoning</b>	Apply the perspective of their chosen specialized area of study to develop fully-reasoned opinions on contemporary issues.
PO <sub>4</sub>	<b>Effective Communication Skill</b>	Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology
PO <sub>5</sub>	<b>Self-directed and Life-long Learning</b>	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes and creating base for higher education
PO <sub>6</sub>	<b>Usage of Modern Tools in Business</b>	An ability to use appropriate techniques, skills, and modern tools necessary for practice in the respective field
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### Course Outcome (CO) for B. Com. I

Course		Course Outcome	PO
<b>Financial Accounting - I</b>	CO <sub>1</sub>	Provide a basic knowledge about Basic Concepts Fundamentals of Book Keeping accounting concepts.	PO <sub>1</sub>
	CO <sub>2</sub>	Understand use the Final accounts of a sole trading concern.	PO <sub>2</sub>
	CO <sub>3</sub>	Understanding the Final accounts of Non- trading concerns.	PO <sub>2</sub>
	CO <sub>4</sub>	To have knowledge on preparation Bank Reconciliation statement and Royalties.	PO <sub>1</sub>
	CO <sub>5</sub>	To have knowledge on preparing Depreciation Accounts.	PO <sub>2</sub>
<b>Business Mathematics &amp; Statistics I</b>	CO <sub>1</sub>	Be able to relate statistics and mathematics with economics to understand various economics policies	PO <sub>2</sub>
	CO <sub>2</sub>	Be able to use different statistical tools in research work	PO <sub>8</sub>
	CO <sub>3</sub>	This subject will help the students in selecting appropriate statistical methods and applying them in the analysis of data.	PO <sub>8</sub>
	CO <sub>4</sub>	Solve business arithmetic operations with fractions to do business problems, and be able to select methods need to solve problems	PO <sub>2</sub>
	CO <sub>5</sub>	Critically assess the strengths and weaknesses of published studies, and evaluate the validity of reported results.	PO <sub>8</sub>
<b>Business and Industrial Economics</b>	CO <sub>1</sub>	To enable students to understand how optimum real life decisions are taken by individuals under situations of scarcity	Po5
	CO <sub>2</sub>	To enable students to understand how optimum decisions are taken by firms in the economy.	Po1
	CO <sub>3</sub>	To enable students to understand how price decisions are taken by firms in the economy.	Po1
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<b>IT Application in Business &amp; Business Communications</b>	CO <sub>1</sub>	Students will be familiarized with computer system and its communicating power.	PO7
	CO <sub>2</sub>	Students will understand the role of computerized system in corporate accounting & its application.	PO6
	CO <sub>3</sub>	They can use MS office in their routine activities.	PO2
	CO <sub>4</sub>	Students will understand the power of Internet world.	PO5
	CO <sub>5</sub>	Students will use MS excel properly in arithmetic work.	PO2



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<b>Entrepreneurship Development - I</b>	CO <sub>1</sub>	Students will understand the role of entrepreneurship in economic development of society.	PO8
	CO <sub>2</sub>	They will aware about Pradhan Mantri Skill India Programme and make in India movement.	PO5
	CO <sub>3</sub>	Understanding of entrepreneurship in service sector in 21 <sup>st</sup> century.	PO1
	CO <sub>4</sub>	Students will make their mindset for thinking entrepreneurship as career.	PO2
	CO <sub>5</sub>	They will get information about proper financing sources to business.	PO1
<b>Financial Accounting - II</b>	CO <sub>1</sub>	Have knowledge on preparing Branch and Departmental Accounts.	PO2
	CO <sub>2</sub>	Have kill in the procedure for preparing of accounts from incomplete Records.	PO1
	CO <sub>3</sub>	Learn about the partnership Accruing.	PO2
<b>Mathematics &amp; Statistics II</b>	CO <sub>1</sub>	This subject will help the students in selecting appropriate statistical methods and applying them in the analysis of data	PO <sub>8</sub>
	CO <sub>2</sub>	To Provide knowledge and information about statistical application	PO <sub>6</sub>
	CO <sub>3</sub>	To Create skill and ability among student for using the statistical method, tools, techniques by using it devices.	PO <sub>8</sub>
	CO <sub>4</sub>	To Provide logical reasoning, Ability and interpretation ,application of various statistical and mathematical tools and techniques in taking logical and scientific decision in business operation	PO <sub>1</sub>
	CO <sub>5</sub>	Critically assess the strengths and weaknesses of published studies, and evaluate the validity of reported results.	PO <sub>8</sub>
<b>Business Organization and Management</b>	CO <sub>1</sub>	Understand the concepts related to Business Organization	Po1
	CO <sub>2</sub>	Demonstrate the roles, skills and functions of management.	Po2
	CO <sub>3</sub>	To help the students gain understanding of the functions and responsibilities of managers.	Po1
	CO <sub>4</sub>	To enable them to analyze and understand the environment of the organization	Po5
	CO <sub>5</sub>	To help the students to develop cognizance of the importance of management principles.	Po5
<b>Business Communications and IT Application</b>	CO <sub>1</sub>	Students will aware about communication in business.	PO4
	CO <sub>2</sub>	They will able to make effective resume.	PO2
	CO <sub>3</sub>	Students will understand role of network and networking devices in business operation.	PO6
	CO <sub>4</sub>	Students can give an effective business presentation.	PO4





<b>Entrepreneurship Development - II</b>	CO <sub>1</sub>	Students will understand the entrepreneurial atmosphere in India.	PO1
	CO <sub>2</sub>	They will find out various chances are available for business in rural area of India.	PO2
	CO <sub>3</sub>	Students will get information about EDP in their own district.	PO5
	CO <sub>4</sub>	They can understand the proper method for project selection and preparation.	PO2

**Course Outcome (CO) for B. Com. II**

Course		Course Outcome	PO
<b>Corporate Accounting I</b>	CO1	Understanding the concept of Equity Shares Issue at Par, at Premium and at Discount & Forfeiture and Re-issue.	Po1
	CO2	Learning about the provisions relating to redemption of preference shares.	Po2
	CO3	Various Methods of Redemption, Writing off discount on Redemption of debentures.	Po2
	CO4	Ability to Valuation of Goodwill and shares & Learning about methods of valuation of shares.	Po2
	CO5	To learn the Pre -incorporation, Post -incorporation & Preparation of Final accounts of companies.	Po2
<b>Cost Accounting-I</b>	CO1	It's a very easy to learn to students the use of costing concept in manufacturing business like as wage calculation, preparation of cost sheet, budgeting and finding out total cost etc.	Po1
	CO2	Students will learn the difference between cost accounting and financial accounting.	Po2
	CO3	Students will understand difference between fixed overhead and variable overhead.	Po2
	CO4	They will aware about impact of fixed cost on earning of unit.	Po2
<b>IT Application in Business I</b>	CO <sub>1</sub>	To Provide assistance in understanding how internet workspace makes business enterprise work easier	PO <sub>3</sub>
	CO <sub>2</sub>	To help students to acquire internet & cloud skill's	PO <sub>7</sub>
	CO <sub>3</sub>	To create an understanding among students relating to cyber crimes	PO <sub>5</sub>
	CO <sub>4</sub>	To require skills to be employed at a various offices and administrative level jobs using technology	PO <sub>2</sub>
	CO <sub>5</sub>	student will acquire knowledge of major cyber-crimes and their resulting impact	PO <sub>5</sub>
<b>GST Account I</b>	CO <sub>1</sub>	The students will gain practical training under any GST practitioner and can also practice it as a profession	PO <sub>2</sub>
	CO <sub>2</sub>	The students will know how GST structure working in India, what are the authorities under GST and how to take credit on the	PO <sub>1</sub>



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		GST paid.	
	CO <sub>3</sub>	The students will have a better understanding of the Indirect tax regime of India being the literate citizens of India	PO <sub>1</sub>
	CO <sub>4</sub>	To acquire the theoretical knowledge of GST and its Evolution in India	PO <sub>1</sub>
	CO <sub>5</sub>	To enable the students to understand the GST Law, ITC, Valuation of supply and returns.	PO <sub>2</sub>
<b>Marketing Management</b>	CO1	Use of Various Techniques for sale of product in current market conditions.	Po6
	CO2	Understanding of channels of distribution.	Po5
	CO3	The role of marketing concept in Agricultural industry in India.	Po2
	CO4	Understanding and knowledge of Introduction of Marketing.	Po5
	CO5	To have knowledge on Product Planning and Development and Product lifecycle.	Po2
<b>Corporate Accounting- II</b>	CO1	To learn the Amalgamation as per AS-14, absorption and external reconstruction.	Po2
	CO2	Learn about the Alteration of share capital and Internal reconstruction.	Po1
	CO3	Understanding the concept of Accounts of Banking Companies & how to prepare Balance sheet format as per form A.	Po1
	CO4	Accounts of Insurance Companies Life, Fire and Marine.	Po1
<b>Cost Accounting- II</b>	CO1	Students will learn the various methods for reconciliation of costing record with financial record.	Po5
	CO2	Students can prepare tender and quotations for business.	Po2
	CO3	They will learn how to find out Normal and Abnormal Gain & Loss in process costing.	Po2
	CO4	Students will learn the accounting treatment for incomplete contracts.	Po2
<b>IT Application in Business II</b>	CO <sub>1</sub>	Students will gain a comprehensive understanding of the E-commerce landscape, current and emerging business models, and the technology and infrastructure requirement for the business.	PO <sub>2</sub>
	CO <sub>2</sub>	Developing an understanding on the importance of security, privacy, and planning issues related to E-Commerce	PO <sub>7</sub>
	CO <sub>3</sub>	Using the E-commerce platforms to enhance current business or incubate new business	PO <sub>2</sub>
	CO <sub>4</sub>	Understanding on how innovative use of the E-Commerce can help developing competitive advantage	PO <sub>2</sub>
	CO <sub>5</sub>	Developing an understanding on how internet can help business grow	PO <sub>1</sub>





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<b>GST Account II</b>	<b>CO<sub>1</sub></b>	The students can apply the provisions of GST and tackle with the situation(s) for their own business(s)	<b>PO<sub>2</sub></b>
	<b>CO<sub>2</sub></b>	The students will know how GST structure working in India, what are the authorities under GST and how to take credit on the GST paid	<b>PO<sub>1</sub></b>
	<b>CO<sub>3</sub></b>	The students can become GST practitioners and earn their living by having a good line of business and clientele.	<b>PO<sub>2</sub></b>
	<b>CO<sub>4</sub></b>	The students can take up a career as a Customs officer working at the airport as well as in the office of Central Board of Indirect Taxes and Customs	<b>PO<sub>2</sub></b>
	<b>CO<sub>5</sub></b>	Students will be able to calculate the customs duty to be paid by them.	<b>PO<sub>5</sub></b>
<b>Insurance</b>	<b>CO1</b>	Importance of insurance in business as well as human life.	<b>Po5</b>
	<b>CO2</b>	Understand the clearing procedures of insurance of life insurance.	<b>Po2</b>
	<b>CO3</b>	Benefit of unit linked insurance plan comparing with normal insurance policy.	<b>Po5</b>
	<b>CO4</b>	To have knowledge on Fire and Marine Insurance.	<b>Po1</b>
	<b>CO5</b>	To have knowledge on Miscellaneous Insurance.	<b>Po1</b>

**Course Outcome (CO) for B. Com. III**

<b>Course</b>		<b>Course Outcome</b>	<b>PO</b>
<b>Advanced Financial Accounting - I</b>	<b>CO1</b>	Prepare financial accounts for partnership firms in different situations of admission, retirement, death and insolvency of the partners.	<b>Po2</b>
	<b>CO2</b>	Prepare financial statements for partnership firm on dissolution of the firm.	<b>Po2</b>
	<b>CO3</b>	Employ critical thinking skills to understand the difference between the dissolution of the firm and dissolution of partnership.	<b>Po3</b>
	<b>CO4</b>	Understand the various types of capital structure of the company and their representation in the balance sheet.	<b>Po2</b>
<b>Management Accounting-I</b>	<b>CO1</b>	Students will understand the basic difference within Management Accounting and Financial Accounting.	<b>Po2</b>
	<b>CO2</b>	They will understand the importance of management accounting in decision making in business.	<b>Po1</b>
	<b>CO3</b>	Students will learn various ratios for understanding of current business situation.	<b>Po1</b>
	<b>CO4</b>	They will understand the importance of working capital and various factors that impacting to working capital.	<b>Po1</b>
	<b>CO5</b>	Students will learn heads of cash flow in business operation as per AS-3.	<b>Po2</b>



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<b>Auditing</b>	<b>CO1</b>	Apply their knowledge in the practical auditing work of various business organisations by using the concepts of the Auditing	PO <sub>1</sub>
	<b>CO2</b>	Search out opportunities and challenges in the field of the profession of Chartered Accountant at various levels.	PO <sub>2</sub>
	<b>CO3</b>	Develop an understanding of various auditing techniques such as vouching verification valuation report writing etc	PO <sub>4</sub>
	<b>CO4</b>	Working knowledge of the different type of audit of special businesses like banking and insurance.	PO <sub>1</sub>
	<b>CO5</b>	Able to work as an investigator of financial matters related with sole trader, partnership firm or a joint stock company.	PO <sub>2</sub>
<b>Business Regulatory Framework - I</b>	<b>CO1</b>	Students will aware the needs of business laws in India.	Po <sub>5</sub>
	<b>CO2</b>	They will understand the various essential factors that require to become valid contract between two parties.	Po <sub>2</sub>
	<b>CO3</b>	Students will understand the contractual ability of parties.	Po <sub>2</sub>
	<b>CO4</b>	They will learn the importance of free consent in contract.	Po <sub>2</sub>
	<b>CO5</b>	Students will understand the role of RBI in banking business in India.	Po <sub>1</sub>
<b>Computerized Accounting – I</b>	<b>CO<sub>1</sub></b>	To introduce the students to Basic of Accounts and the usage of Tally for accounting purpose.	PO <sub>2</sub>
	<b>CO<sub>2</sub></b>	To help students to work with well- known accounting software i.e. Tally ERP.9.Tally is an accounting package which is used for learning to maintain accounts.	PO <sub>6</sub>
	<b>CO<sub>3</sub></b>	Students will learn to create company, enter accounting voucher entries in Tally ERP.9 software.	PO <sub>6</sub>
	<b>CO<sub>4</sub></b>	Demonstrate an understanding of various predefined inventory vouchers	PO <sub>6</sub>
	<b>CO<sub>5</sub></b>	Demonstrate an understanding of how to maintain a payroll register	PO <sub>6</sub>
<b>Rural Development and Agricultural Management-I</b>	<b>CO1</b>	To expose student to the basics of knowledge one of the forms of commerce.	Co <sub>1</sub>
	<b>CO2</b>	To familiarize them with different types of scheme of GOVT.	Po <sub>2</sub>
	<b>CO3</b>	To make them understand the development of rural area.	Pio <sub>2</sub>
	<b>CO4</b>	To introduce some advanced techniques of agricultural development.	Po <sub>6</sub>
	<b>CO5</b>	To prepare student to go for detailed study and understand of rural and agricultural development.	Po <sub>8</sub>
<b>Advanced Financial Accounting - II</b>	<b>CO1</b>	Evaluate the different situations of capital issue to public like issue at premium, issue at discount, forfeiture of shares etc.	Po <sub>2</sub>
	<b>CO2</b>	Demonstrate an understanding about the profits of the company and their division.	Po <sub>1</sub>
	<b>CO3</b>	Preparation of financial accounts with profits before incorporation.	Po <sub>2</sub>



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	CO4	Understand the valuation of shares and goodwill and prepare financial statements accordingly.	Po2
<b>Management Accounting - II</b>	CO1	Students can understand the importance of budgeting in business as well as in human life.	Po5
	CO2	They can learn the various types of budgets in business.	Po1
	CO3	They can forecast the requirement of fund through budget.	Po1
	CO4	Students can understand the various steps in responsibility accounting.	Po2
<b>Direct Tax</b>	CO <sub>1</sub>	Understand the basic concepts of Indian income tax act 1961 and tax liability of person on the basis of their residential status.	PO <sub>3</sub>
	CO <sub>2</sub>	Develop the understanding and skill to calculate the various heads of the income of an individual assessee.	PO <sub>2</sub>
	CO <sub>3</sub>	Prepare and present statement of total income and state various provisions of deductions and calculations related with tax liability.	PO <sub>1</sub>
	CO <sub>4</sub>	Able to understand amendments made from time to time in Finance Act.	PO <sub>5</sub>
	CO <sub>5</sub>	Able to file IT return on an individual basis	PO <sub>7</sub>
<b>Business Regulatory Framework - II</b>	CO1	Students can understand the nature of negotiable instrument.	Po5
	CO2	They will know the rights of unpaid seller.	Po2
	CO3	Students will learn how to transfer ownership of material.	Po1
	CO4	They will understand the various types of cheques.	Po5
	CO5	They will aware about the composition of state and central human right commission.	Po5
<b>Computerized Accounting – II</b>	CO <sub>1</sub>	Students do possess required skill and can also be employed as Tally data entry operator	PO <sub>2</sub>
	CO <sub>2</sub>	Develop the students use the Tally software, that helps to prepare Accounting, Payroll, Billing, Sales and Profit Analysis, Auditing Banking Inventory, Taxation such as GST, TDS, TCS etc. Application of key accounting assumption and principles of Tally ERP.9 in real business	PO <sub>6</sub>
	CO <sub>3</sub>	Students be able to understand the need of Tally software in developing computerized accounts	PO <sub>2</sub>
	CO <sub>4</sub>	Students will be able to use accounting and business terminology in Tally package	PO <sub>6</sub>
	CO <sub>5</sub>	After the completion of this course, students be able to understand the essential components of internet in business and society	PO <sub>7</sub>
<b>Advertising &amp; Salesmanship</b>	CO1	Concept of Marketing; Marketing environment; Marketing Information System; Marketing Research; Consumer Behavior; Segmenting, Targeting and Positioning.	



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	<b>CO2</b>	Concept of Advertising; Advertising Objectives, Budget aida.	
	<b>CO3</b>	Advertising Media; Classifications of Advertising; Internet Advertising; Advertising Appeals; Role and Impact of Advertising on the Indian Economy.	
	<b>CO4</b>	Advertising and Indian Art & Culture; Advertising and Indian Society; Misleading and Deceptive advertisements.	
	<b>CO5</b>	Concept of Brand, Role of Social Media in Marketing Brands; Important concepts of Brand Management; Branding Decisions.	



## PROGRAMME SPECIFIC OUTCOMES (PSO): DEPARTMENT OF B. VOC. (B. J.)

<b>PO1</b>	<b>Leadership and Management Skills</b>	Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
<b>PO2</b>	<b>Entrepreneurial Skill</b>	Able to identify, assess and shape entrepreneurial opportunities and to evaluate their potential for initiating start-ups.
<b>PO3</b>	<b>Employability</b>	To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.
<b>PO4</b>	<b>Vocational Skill</b>	To provide vertical mobility to students coming out of 10+2 with vocational subjects.
<b>PO5</b>	<b>Effective Communication Skill</b>	Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
<b>PO6</b>	<b>Self-directed and Life-long Learning</b>	Acquire the ability to engage in independent and life-long learning in the broadest context socio-technological changes and creating base for higher education.
<b>PO7</b>	<b>Usage of Modern Tools in Business</b>	An ability to use appropriate techniques, skills, and modern tools necessary for practice in the respective field.
<b>PO8</b>	<b>Digital Knowledge System</b>	an ability to find, evaluate, and clearly communicate information through typing and other media on various digital platforms.
<b>PO9</b>	<b>Research Skill</b>	Ability to interpret and apply research literature to investigate complex problems using research methodologies, techniques and tools.
<b>PO10</b>	<b>General Skill</b>	To provide judicious mix of skills relating to a profession and appropriate content of General Education.
<b>PO11</b>	<b>Critical Thinking and Logical Reasoning</b>	Apply the perspective of their chosen specialized area of study to develop fully-reasoned opinions on contemporary issues.
<b>PO12</b>	<b>Knowledge growth &amp; Ability Development</b>	To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.

### Abbreviations used:

**CL – Cognitive Level:** K – Knowledge, C – Comprehension, AP – Application, AN – Analysis, S – Synthesis, E - Evaluation

**KC – Knowledge Category:** C – Conceptual, P – Procedural



## COURSE OUTCOMES (CO): DEPARTMENT OF B. Voc. (B. J.)

### First Semester

Course		Course Outcome	PO
<b>GE-101 Linguistic Proficiency</b>	CO <sub>1</sub>	Students introduce to Origin and development of Marathi Language, importance of Devnagri Script & its use in Indian languages.	PO <sub>5</sub>
	CO <sub>2</sub>	Students able to writing Skills required for Marathi with social ethics.	PO <sub>6</sub>
	CO <sub>3</sub>	Students will heighten their awareness of correct usage of Marathi grammar in writing and speaking.	PO <sub>5</sub>
	CO <sub>4</sub>	Developed Skills of writing for Marathi Newspapers and News Story writing, feature writing.	PO <sub>3</sub>
	CO <sub>5</sub>	Students understands to Story writing, reading & making, fieldwork and taken to interview for celebratory & famous persons	PO <sub>3</sub>
<b>GE-102 Computer Basic- Theory</b>	CO <sub>1</sub>	The Students understands to introduction to Computers, History & generations, types of computers.	PO <sub>7</sub>
	CO <sub>2</sub>	To Provide knowledge and information about MS Office with its applications & features.	PO <sub>3</sub>
	CO <sub>3</sub>	To Create skill and ability among student for using the Excel, Page Maker, techniques by using formatting.	PO <sub>3</sub>
	CO <sub>4</sub>	This subject will help the students in Using Computer for news creations and broadcasting.	PO <sub>3</sub>
	CO <sub>5</sub>	Students will demonstrate knowledge of fundamentals of hardware technology relevant to understanding Computers basics.	PO <sub>4</sub>
<b>GE-103 Computer Basic- Practical's</b>	CO <sub>1</sub>	The students will practical training under any MS Office with its applications, and can also practice it as a profession	PO <sub>2</sub>
	CO <sub>2</sub>	The students will know Excel, Page Maker & techniques by using formatting in practical.	PO <sub>2</sub>
	CO <sub>3</sub>	The students will have a practically understanding of the news creations and broadcasting.	PO <sub>3</sub>
	CO <sub>4</sub>	To acquire the practical knowledge of Coral Draw and Graphics.	PO <sub>4</sub>
	CO <sub>5</sub>	To enable the students to a practically understand the Coral Shows-Cartoons use, CD-ROM & Multimedia Skills.	PO <sub>6</sub>
<b>GE-104 Environment Awareness</b>	CO <sub>1</sub>	To Provide assistance in understanding how definition, principals & scope of environmental Science.	PO <sub>10</sub>
	CO <sub>2</sub>	To help students to acquire concept of eco life & its importance.	PO <sub>11</sub>
	CO <sub>3</sub>	To create an understanding among students relating to environment geographical classifications & Zones.	PO <sub>11</sub>
	CO <sub>4</sub>	Students will understand relationships between global environmental and economic trends and their impact on diverse cultures and communities.	PO <sub>10</sub>
	CO <sub>5</sub>	student will acquire knowledge of major Fundamentals of	PO <sub>10</sub>





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		environment	
<b>SC-101 Introductions to Mass Communications</b>	CO <sub>1</sub>	To introduce basic concept of communication and Mass Communication & its role in society.	PO <sub>10</sub>
	CO <sub>2</sub>	To introduce students to various processes & theories of mass communication.	PO <sub>12</sub>
	CO <sub>3</sub>	To introduce students to the history, evolution and the development of Mass Communication in the world with special reference to India.	PO <sub>12</sub>
	CO <sub>4</sub>	To understand the development of Mass Communication models.	PO <sub>5</sub>
	CO <sub>5</sub>	To understand the concept of New Media and Media Convergence and its implications.	PO <sub>3</sub>
<b>SC-102 Introductions to Broadcast Media</b>	CO <sub>1</sub>	Students will be able to identify and write record, produce and edit several formats of radio programmes including news stories, and features.	PO <sub>4</sub>
	CO <sub>2</sub>	Students will recognize the structure and history of the radio industry will be able to work in professional atmosphere of radio station.	PO <sub>12</sub>
	CO <sub>3</sub>	Demonstrate proficiency in recording and editing for audio productions.	PO <sub>4</sub>
	CO <sub>4</sub>	Demonstrate competency as a producer by organizing the editorial flow and technical content of radio program.	PO <sub>4</sub>
	CO <sub>5</sub>	Developing an understanding on how broadcasting can help Media growth.	PO <sub>3</sub>
<b>SC-103 Fundamentals of Journalism</b>	CO <sub>1</sub>	Students introduce to Basic fundamentals and responsibilities of journalism.	PO <sub>12</sub>
	CO <sub>2</sub>	To help students to work with well- known ethics of journalism & how to start to publication in India.	PO <sub>6</sub>
	CO <sub>3</sub>	Students will learn to organizational structure of a Newspaper and its all departments.	PO <sub>6</sub>
	CO <sub>4</sub>	Demonstrate an understanding of create a content of a Newspapers.	PO <sub>3</sub>
	CO <sub>5</sub>	Demonstrate an understanding of types of news, skills of take interview & Photo Journalism.	PO <sub>4</sub>
<b>SC-104 Media Law &amp; Ethics</b>	CO <sub>1</sub>	Recognize the provision provided to the journalist under working journalist act	PO <sub>5</sub>
	CO <sub>2</sub>	Apply ethical and legal frameworks to resolve a mass communication dilemma.	PO <sub>4</sub>
	CO <sub>3</sub>	The Students understands to New Media Law, Code of AIR & Doordarshan.	PO <sub>10</sub>
	CO <sub>4</sub>	The Students understands to Act of Cable Television & its rules. Evaluate the relevance to society of Freedom of Information law.	PO <sub>10</sub>
	CO <sub>5</sub>	Study to code of ethics for Media and importance of media Law & ethics for journalists.	PO <sub>12</sub>
<b>SC-105</b>	CO <sub>1</sub>	Students do must be involved in the production of issues of the mass	PO <sub>2</sub>



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<b>Project work - Introductions to Mass Communications</b>		communication.	
	CO <sub>2</sub>	Students understand to work as reporter to work as News reporter, Sub-editor & Feature writer.	PO <sub>6</sub>
	CO <sub>3</sub>	Students are able to understand the need of in developing content in mass communication.	PO <sub>3</sub>
	CO <sub>4</sub>	Students will be able to practically primary work at News paper and New Media.	PO <sub>2</sub>
	CO <sub>5</sub>	After the completion of this course, students are able to understand the news content writing.	PO <sub>3</sub>
<b>SC-106 Project work - Introductions to Broadcast Media</b>	CO <sub>1</sub>	Students do must be involved in the production of issues of the broadcast Media.	PO <sub>3</sub>
	CO <sub>2</sub>	Students understand to work as reporter to work as News reporter, Sub-editor & Feature writer in broadcast Media.	PO <sub>2</sub>
	CO <sub>3</sub>	Students are able to understand the need of developing content in broadcast Media.	PO <sub>3</sub>
	CO <sub>4</sub>	Students Develop the understanding and skill to practically primary work of broadcast Media.	PO <sub>2</sub>
	CO <sub>5</sub>	Student Able to news writing & recording for broadcast Media.	PO <sub>3</sub>
<b>SC-107 Project work – Fundamentals of Journalism</b>	CO <sub>1</sub>	Students do must be involved in the production of issues of the fundamentals journalism.	PO <sub>1</sub>
	CO <sub>2</sub>	Understanding and develop to skill of news reporting.	PO <sub>3</sub>
	CO <sub>3</sub>	Students Develop the understanding and skill to practically attend to press conference & writing this news.	PO <sub>3</sub>
	CO <sub>4</sub>	Demonstrate an understanding of create a content for journalism.	PO <sub>4</sub>
	CO <sub>5</sub>	Demonstrate a creating a news, taken to interview & Photo for Journalism.	PO <sub>2</sub>
<b>SC-108 Project work – Media Law &amp; Ethics</b>	CO <sub>1</sub>	Students do must be involved in the production of issues of the Media Law & Ethics.	PO <sub>4</sub>
	CO <sub>2</sub>	Develop the understanding and skill to news reporting with media ethics & press Act, Press Law.	PO <sub>2</sub>
	CO <sub>3</sub>	Students Develop the understanding and filed work & sting operation with media ethics & press Act, Press Law.	PO <sub>2</sub>
	CO <sub>4</sub>	Demonstrate an understanding of create an ethical news content for journalism.	PO <sub>4</sub>
	CO <sub>5</sub>	Demonstrate an understanding of the nature of ethics and morality in journalism	PO <sub>4</sub>
<b>SC-109 In House Training</b>	CO <sub>1</sub>	Students do must be involved in the talk shows & group discussion.	PO <sub>6</sub>
	CO <sub>2</sub>	Students do must be writing a script of documentary.	PO <sub>1</sub>
	CO <sub>3</sub>	Students do practices of game commentaries in the college.	PO <sub>5</sub>
	CO <sub>4</sub>	Students developed skills of group discussions and interview	PO <sub>2</sub>
	CO <sub>5</sub>	Students developed skills of news reading.	PO <sub>4</sub>





### Second Semester

Course		Course Outcome	PO
<b>GE-201 Linguistic Proficiency-II</b>	CO <sub>1</sub>	Students Participate in whole class and small group discussions in Marathi.	PO <sub>11</sub>
	CO <sub>2</sub>	Be able to writing Skills required for Marathi, specify of Marathi.	PO <sub>3</sub>
	CO <sub>3</sub>	Students will heighten their awareness of correct usage of Marathi grammar in writing and speaking.	PO <sub>5</sub>
	CO <sub>4</sub>	Developed Skills of writing for Marathi media and News Story writing, feature writing.	PO <sub>4</sub>
	CO <sub>5</sub>	Recognize signal words and phrases that introduce organizational structures within lectures, new concepts or vocabulary.	PO <sub>12</sub>
<b>GE-202 Computer Basic- Theory-II</b>	CO <sub>1</sub>	The Students understands to introduction to CSS.	PO <sub>7</sub>
	CO <sub>2</sub>	To Provide knowledge and information about image development in Photoshop	PO <sub>8</sub>
	CO <sub>3</sub>	Student study to types of introduction of CMS is Web development, Web hosting theory.	PO <sub>8</sub>
	CO <sub>4</sub>	Develop to theoretical knowledge of IMS, Multi Processing and GSAM datasets.	PO <sub>7</sub>
	CO <sub>5</sub>	Student implements the concepts of payroll Systems & Time processing system.	PO <sub>7</sub>
<b>GE-203 Computer Basic-II Practical's</b>	CO <sub>1</sub>	The students will practical training under any MS Office with its applications, and can also practice it as a profession	PO <sub>8</sub>
	CO <sub>2</sub>	The students will know Excel, Page Maker & techniques by using formatting in practical.	PO <sub>8</sub>
	CO <sub>3</sub>	The students will have a practically understanding of the news creations and broadcasting	PO <sub>7</sub>
	CO <sub>4</sub>	To acquire the practical knowledge of Coral Draw and Graphics.	PO <sub>8</sub>
	CO <sub>5</sub>	To enable the students to a practically understand the Coral Shows-Cartoons use, CD-ROM & Multimedia Skills.	PO <sub>7</sub>
<b>GE-204 Public Relation</b>	CO <sub>1</sub>	Students introduce to evaluation, history, definition, purpose & utility of public relation.	PO <sub>5</sub>
	CO <sub>2</sub>	Students introduce & learn to Law & ethics of public relation.	PO <sub>12</sub>
	CO <sub>3</sub>	The students can understand symmetrical & asymmetrical theories of public relation.	PO <sub>10</sub>
	CO <sub>4</sub>	Students introduce & learn to content writing for public relation.	PO <sub>3</sub>
	CO <sub>5</sub>	Students learn to strategic public relation & management.	PO <sub>1</sub>
<b>SC-201 News writing &amp; Reporting</b>	CO <sub>1</sub>	Students introduce to basic concept of news writing & reporting for media.	PO <sub>3</sub>
	CO <sub>2</sub>	Students understand to law & ethics of news writing & reporting for media.	PO <sub>4</sub>
	CO <sub>3</sub>	Defining News and understanding its elements, news sources and different types of news.	PO <sub>12</sub>



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	CO <sub>4</sub>	The students can understand various types of news & reporting.	PO <sub>3</sub>
	CO <sub>5</sub>	To introduce to different types of reporting and their importance & different forms of journalistic writing.	PO <sub>4</sub>
<b>SC-202 News Anchoring</b>	CO <sub>1</sub>	This subjects aims to expose its students to the techniques employed in news reading and anchoring for live events, TV shows and News shows.	PO <sub>1</sub>
	CO <sub>2</sub>	students can shine in challenging careers like Anchoring, Show Hosting, Public Speaking and News Reporting etc.	PO <sub>2</sub>
	CO <sub>3</sub>	Demonstrate to news anchoring for Radio & Video media.	PO <sub>4</sub>
	CO <sub>4</sub>	The students will be a good news anchor in audio or video media.	PO <sub>3</sub>
	CO <sub>5</sub>	A learner can write be a reporter, copy editor and produce a bulletin for electronic media.	PO <sub>2</sub>
<b>SC-203 – Camera Operating &amp; Handling</b>	CO <sub>1</sub>	Students understand to the different working styles of camera.	PO <sub>7</sub>
	CO <sub>2</sub>	Students understand to enhance the shooting skills.	PO <sub>7</sub>
	CO <sub>3</sub>	Students introduce to role and function of cameraman.	PO <sub>4</sub>
	CO <sub>4</sub>	Explain basic use approaches regarding multimedia	PO <sub>4</sub>
	CO <sub>5</sub>	Explain the applications benefits of multimedia for instructional setting.	PO <sub>10</sub>
<b>SC-204 Editing Audio, Video, Photo</b>	CO <sub>1</sub>	This course is to provide an introduction to Audio and Video recording, editing using tools and techniques prevalent in the media industry.	PO <sub>2</sub>
	CO <sub>2</sub>	The students will understand the basic editing tools and techniques of sound and video recordings in preparation for media	PO <sub>2</sub>
	CO <sub>3</sub>	Through this course they will learn basic component of Photoshop.	PO <sub>8</sub>
	CO <sub>4</sub>	They will learn the techniques of Still Photography and Videography.	PO <sub>7</sub>
	CO <sub>5</sub>	Students study to any faction & tool of audio, video, photo editing.	PO <sub>7</sub>
<b>SC-205 Practical- News writing &amp; Reporting</b>	CO <sub>1</sub>	Student's practice to news writing & reporting on the field.	PO <sub>2</sub>
	CO <sub>2</sub>	Student's cover the press conference & news reporting.	PO <sub>3</sub>
	CO <sub>3</sub>	Students write to assignment on elements, news sources and different types of news.	PO <sub>3</sub>
	CO <sub>4</sub>	Students practically reporting to difference types of news.	PO <sub>4</sub>
	CO <sub>5</sub>	Students write & recording to fracture & human interested stories.	PO <sub>1</sub>
<b>SC-206 Practical- News Anchoring</b>	CO <sub>1</sub>	Students practice news reading and anchoring for live events, TV shows	PO <sub>2</sub>
	CO <sub>2</sub>	Students practically work on Anchoring, Show Hosting, Public Speaking and news Reporting etc.	PO <sub>2</sub>
	CO <sub>3</sub>	Demonstrate to news anchoring for radio & video media.	PO <sub>4</sub>
	CO <sub>4</sub>	The students will try to news anchoring in audio or video media.	PO <sub>3</sub>
	CO <sub>5</sub>	Sundance practice to produce a news bulletin for electronic media.	PO <sub>3</sub>



<b>SC-207 Practical- Camera Operating &amp; Handling</b>	CO <sub>1</sub>	Students practically work on the different working styles of camera.	PO <sub>7</sub>
	CO <sub>2</sub>	Students develop to shooting & editing skills.	PO <sub>4</sub>
	CO <sub>3</sub>	Student introduces to develop the role and function of cameraman.	PO <sub>8</sub>
	CO <sub>4</sub>	Explain basic use approaches regarding multimedia	PO <sub>10</sub>
	CO <sub>5</sub>	Explain the applications benefits of multimedia for instructional setting.	PO <sub>12</sub>
<b>SC-208 Practical- Editing Audio, Video, Photo</b>	CO <sub>1</sub>	Students must be involved in the production of issues of the Media Law & Ethics.	PO <sub>1</sub>
	CO <sub>2</sub>	Develop the understanding and skill to news reporting with media ethics & press Act, Press Law.	PO <sub>12</sub>
	CO <sub>3</sub>	Students Develop the understanding and filed work & sting operation with media ethics & press Act, Press Law.	PO <sub>3</sub>
	CO <sub>4</sub>	Demonstrate an understanding of create an ethical news content for journalism.	PO <sub>4</sub>
	CO <sub>5</sub>	Demonstrate an understanding of the nature of ethics and morality in journalism	PO <sub>2</sub>
<b>SC-209 In House Training</b>	CO <sub>1</sub>	Students do must be involved in the talk shows & group discussion.	PO <sub>11</sub>
	CO <sub>2</sub>	Students do must be writing a script of documentary.	PO <sub>4</sub>
	CO <sub>3</sub>	Students do practices of game commentaries in the college.	PO <sub>3</sub>
	CO <sub>4</sub>	Students developed skills of group discussions, interview	PO <sub>5</sub>
	CO <sub>5</sub>	Students developed skills of news reading.	PO <sub>2</sub>

### Third Semester

Course		Course Outcome	PO
<b>GE-301 Effective Communication Skills-I</b>	CO <sub>1</sub>	To make the learners aware about social & personal need of communication.	PO <sub>5</sub>
	CO <sub>2</sub>	To understand the concept, meaning & elements of human communication	PO <sub>10</sub>
	CO <sub>3</sub>	To understand to seven 'C's of communication.	PO <sub>8</sub>
	CO <sub>4</sub>	To explain the various elements of effective communication skills.	PO <sub>5</sub>
	CO <sub>5</sub>	Students understand to process of communication, verbal & non-verbal communication.	PO <sub>5</sub>
<b>GE-302 Advance Computing - Theory</b>	CO <sub>1</sub>	Student develops to skills & learns new computer technology.	PO <sub>8</sub>
	CO <sub>2</sub>	Apply computer science theory and concepts to computing.	PO <sub>10</sub>
	CO <sub>3</sub>	Student understands to WWW.,HTML history, Microsoft front page & formatting HTML documents.	PO <sub>7</sub>
	CO <sub>4</sub>	Students learn to Managing image in HTML, tables in HTML document & data cells..	PO <sub>8</sub>
	CO <sub>5</sub>	Students study to types of Hypertext & Link, Special effect in HTML documents.	PO <sub>7</sub>
<b>GE-303</b>	CO <sub>1</sub>	Student practice tone advance computer technology.	PO <sub>7</sub>



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<b>Advance Computing-Practical</b>	CO <sub>2</sub>	Apply computer science theory and concepts to computing.	PO <sub>12</sub>
	CO <sub>3</sub>	Student understands to WWW.,HTML history, Microsoft front page & formatting HTML documents.	PO <sub>8</sub>
	CO <sub>4</sub>	Students learn to Managing image in HTML, tables in HTML document & data cells.	PO <sub>8</sub>
	CO <sub>5</sub>	Students study to types of Hypertext & Link, Special effect in HTML documents.	PO <sub>3</sub>
<b>GE-304 General Awareness</b>	CO <sub>1</sub>	Students introduce to economic scenario of World, India & Maharashtra.	PO <sub>12</sub>
	CO <sub>2</sub>	Students understand to political scenario of World, India & Maharashtra.	PO <sub>12</sub>
	CO <sub>3</sub>	Students will be study to regional issue of India.	PO <sub>11</sub>
	CO <sub>4</sub>	Student will be social & agriculture issue in India & Maharashtra.	PO <sub>1</sub>
	CO <sub>5</sub>	Student write to report on local administration responded to natural disaster.	PO <sub>9</sub>
<b>SC-301 Voice over &amp; Voice Modulation</b>	CO <sub>1</sub>	To make students aware of technical and aesthetics of Audio Industry.	PO <sub>1</sub>
	CO <sub>2</sub>	To develop skills for Writing Script, Voice Over, Dubbing and Story Telling.	PO <sub>2</sub>
	CO <sub>3</sub>	Students develop to skills of understanding of job prospect in the field of Radio, News portals, Film and Television.	PO <sub>2</sub>
	CO <sub>4</sub>	To make students aware of technical and aesthetics of Audio Industry.	PO <sub>4</sub>
	CO <sub>5</sub>	Students understand the basics of radio Station work and news reporting & importance of voice in radio.	PO <sub>3</sub>
<b>SC-302 Radio Journalism</b>	CO <sub>1</sub>	Students introduce to basic concept & development of Radio Journalism.	PO <sub>7</sub>
	CO <sub>2</sub>	Students understand the basics of radio Station work and news reporting.	PO <sub>7</sub>
	CO <sub>3</sub>	They will know about the radio news structure, interview skills and news values etc.	PO <sub>3</sub>
	CO <sub>4</sub>	Students will learn about the basic concepts and fundamental elements of Radio programme production.	PO <sub>2</sub>
	CO <sub>5</sub>	Students will come to know about the writing styles for different to radio formats.	PO <sub>4</sub>
<b>SC-303 Television Journalism</b>	CO <sub>1</sub>	This subject will make students understand about the invention & development of television Journalism.	PO <sub>2</sub>
	CO <sub>2</sub>	Students introduce to work of TV camera & TV editing software.	PO <sub>3</sub>
	CO <sub>3</sub>	Students will learn to TV news writing & reporting skills.	PO <sub>3</sub>
	CO <sub>4</sub>	Students introduce to overview of TV industry in India.	PO <sub>10</sub>
	CO <sub>5</sub>	Students will come to know about the writing styles for different to television formats.	PO <sub>3</sub>



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<b>SC-304 Web Journalism</b>	CO <sub>1</sub>	This subject will make students understand about the basic concepts of Web Journalism and its fundamental concepts.	PO <sub>8</sub>
	CO <sub>2</sub>	Students will come to know about the writings for Web Media.	PO <sub>7</sub>
	CO <sub>3</sub>	Students introduce to E-newspapers, E-books & E-publications.	PO <sub>6</sub>
	CO <sub>4</sub>	Students introducing to work of new social media & ethics of web journalism.	PO <sub>1</sub>
	CO <sub>5</sub>	The Students understanding to basic knowledge of HTML and use of content management system.	PO <sub>8</sub>
<b>SC-305 Practical– Voice Over &amp; Voice Modulation</b>	CO <sub>1</sub>	Students visit to difference FM Radio stations & submit the visit report.	PO <sub>11</sub>
	CO <sub>2</sub>	Students visit to difference community Radio stations & submit the visit report.	PO <sub>11</sub>
	CO <sub>3</sub>	Student's improving skills of production of personal or group radio advertise.	PO <sub>12</sub>
	CO <sub>4</sub>	Students learn to critical analysis of radio program.	PO <sub>9</sub>
	CO <sub>5</sub>	Student's able to recording & editing to various voices.	PO <sub>3</sub>
<b>SC-306 Practical – Radio Journalism</b>	CO <sub>1</sub>	Students introduce to basic recording & editing software.	PO <sub>2</sub>
	CO <sub>2</sub>	Students exercise to news reading & anchoring for radio journalism.	PO <sub>4</sub>
	CO <sub>3</sub>	Students listing & writing to news bulletin on radio Station.	PO <sub>4</sub>
	CO <sub>4</sub>	The student's analysis & discussion of news bulletin & practices to news bulletin making for Radio.	PO <sub>9</sub>
	CO <sub>5</sub>	Student's improving the news reading skills & recording the interview for radio.	PO <sub>3</sub>
<b>SC-307 Practical- Television Journalism</b>	CO <sub>1</sub>	Students will practically use the camera, light and sound system.	PO <sub>4</sub>
	CO <sub>2</sub>	Students exercise to news writing & anchoring for television journalism.	PO <sub>2</sub>
	CO <sub>3</sub>	Students will learn to different steps of production & they will be able to shoot their own program for television journalism.	PO <sub>3</sub>
	CO <sub>4</sub>	The student's analysis & discussion of news bulletin & practices to news bulletin making for television journalism.	PO <sub>9</sub>
	CO <sub>5</sub>	Student's improving news anchoring skills & shoot the interview for television journalism.	PO <sub>4</sub>
<b>SC-308 Practical- Web Journalism</b>	CO <sub>1</sub>	Students will be practice to writing skills Web journalism.	PO <sub>5</sub>
	CO <sub>2</sub>	Students learn to individual blog creations for web journalism.	PO <sub>7</sub>
	CO <sub>3</sub>	Students able to write to features & news stories for web journalism.	PO <sub>8</sub>
	CO <sub>4</sub>	Students can team work on group Web-blog.	PO <sub>8</sub>
	CO <sub>5</sub>	Students able to contribution to a group or community on any of the social network sites.	PO <sub>7</sub>
	CO <sub>1</sub>	Student's able to group discussion, presentation & writing on	PO <sub>4</sub>





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<b>SC-309 In House Training</b>		current issue for media.	
	CO <sub>2</sub>	Students study & take interview to sociologist or scientist.	PO <sub>5</sub>
	CO <sub>3</sub>	Students practice to news writing, recording & editing for radio or television media.	PO <sub>2</sub>
	CO <sub>4</sub>	Students developed skills of Radio & television program production.	PO <sub>3</sub>
	CO <sub>5</sub>	Student's able to recording to audio or video program in House/Studio.	PO <sub>4</sub>

**Fourth Semester**

Course		Course Outcome	PO
<b>GE-401 Effective Communication Skills-II</b>	CO <sub>1</sub>	To make the learners aware about body language & forms of communication.	PO <sub>5</sub>
	CO <sub>2</sub>	Students study to basic communication models.	PO <sub>5</sub>
	CO <sub>3</sub>	This subject will make students understand about the concept of Mass, Mass society & Mass communication.	PO <sub>11</sub>
	CO <sub>4</sub>	To explain the audience behaviour & communication effect.	PO <sub>3</sub>
	CO <sub>5</sub>	Students understand to process of communication, verbal & non-verbal communication.	PO <sub>12</sub>
<b>GE-402 Advance Computing - Theory</b>	CO <sub>1</sub>	Student develops to skills & learns new computer technology.	PO <sub>8</sub>
	CO <sub>2</sub>	Student introduce to concept of CSS, creation	PO <sub>8</sub>
	CO <sub>3</sub>	Student introduce to introduction to Photoshop, rural tool, zooming, history panel saving & file format.	PO <sub>4</sub>
	CO <sub>4</sub>	Students learn to CMS is web development, web hosting, PHP, article & other feature of Joomla	PO <sub>7</sub>
	CO <sub>5</sub>	Students study introduction IMS, IMS DB structure, DL/I processing.	PO <sub>7</sub>
<b>GE-403 Advance Computing- Practical</b>	CO <sub>1</sub>	Student practice tone advance computer technology.	PO <sub>1</sub>
	CO <sub>2</sub>	Apply computer science theory and concepts to computing.	PO <sub>8</sub>
	CO <sub>3</sub>	Student understands to CSS, Style sheet, working with block, layout & site designs.	PO <sub>7</sub>
	CO <sub>4</sub>	Students learn practical work on IMS, IMS DB structure & CSAM data base.	PO <sub>7</sub>
	CO <sub>5</sub>	Students study to payroll system interface, control procedures, external & audits.	PO <sub>4</sub>
<b>GE-404 Banking Knowledge</b>	CO <sub>1</sub>	Study of Banks Organizational Structure – Management - Objectives – Functions – Monetary Policy.	PO <sub>10</sub>
	CO <sub>2</sub>	To understand the working of the Bank in India.	PO <sub>10</sub>
	CO <sub>3</sub>	Descriptions and their Special Features- Duties and Responsibilities of Paying and Collecting Banker.	PO <sub>1</sub>
	CO <sub>4</sub>	Circumstances under which a Banker can refuse Payment of Cheques.	PO <sub>4</sub>
	CO <sub>5</sub>	To learn the importance to be updated on the E- banking sector and	PO <sub>7</sub>



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		Mobile banking.	
<b>SC-401 Radio &amp; Television Production</b>	CO <sub>1</sub>	To make students aware of radio & television program format.	PO <sub>2</sub>
	CO <sub>2</sub>	To develop skills for Script and news writing for radio & television media.	PO <sub>3</sub>
	CO <sub>3</sub>	Students develop to skills of understanding of job prospect in the field of Radio and Television.	PO <sub>4</sub>
	CO <sub>4</sub>	To make students aware of technical and aesthetics of radio & television media.	PO <sub>10</sub>
	CO <sub>5</sub>	Students understand the basics of radio Station work and news anchoring for television.	PO <sub>3</sub>
<b>SC-402 Advance Audio Visual, Photo Editing</b>	CO <sub>1</sub>	Students learn to editing of audio, video & photo.	PO <sub>4</sub>
	CO <sub>2</sub>	To develop skills for Writing Script, Voice Over, Dubbing and Story Telling.	PO <sub>3</sub>
	CO <sub>3</sub>	To develop skills of understanding of job prospect in the field of Radio, News portals, Film and Television	PO <sub>2</sub>
	CO <sub>4</sub>	To make students aware of technical and aesthetics of Audio Industry.	PO <sub>4</sub>
	CO <sub>5</sub>	To develop skills for Writing Script, Voice Over, Dubbing and Story Telling.	PO <sub>2</sub>
<b>SC-403 Multimedia Production</b>	CO <sub>1</sub>	Students introduce to history & basic stage of multimedia projects.	PO <sub>8</sub>
	CO <sub>2</sub>	Students understand to multimedia elements, tax, image, audio, video & animation.	PO <sub>8</sub>
	CO <sub>3</sub>	Students understand to multimedia tools & applications.	PO <sub>2</sub>
	CO <sub>4</sub>	Explain basic use approaches regarding multimedia & benefits of multimedia.	PO <sub>2</sub>
	CO <sub>5</sub>	Students understand to applications digital imaging in multimedia & animation.	PO <sub>7</sub>
<b>SC-404 Advertisement Television &amp; Media</b>	CO <sub>1</sub>	Students understand to the basic concepts and importance of audio & video advertisements.	PO <sub>2</sub>
	CO <sub>2</sub>	Students will come to know about the writings advertisements & its dialogs & radio & television advertisements.	PO <sub>3</sub>
	CO <sub>3</sub>	Students introduce to purpose, development, nature, role of economy of advertisement & social process of advertising.	PO <sub>2</sub>
	CO <sub>4</sub>	Students introducing to advantage-disadvantage, program promo, types, format & impact of radio & television advertisements.	PO <sub>4</sub>
	CO <sub>5</sub>	The Students understanding to trained in advertising media.	PO <sub>2</sub>
<b>SC-405 Practical- Radio &amp; Television Production</b>	CO <sub>1</sub>	Students create a one minute's video production on different subjects.	PO <sub>6</sub>
	CO <sub>2</sub>	The student's analysis & discussion of radio & television production.	PO <sub>9</sub>
	CO <sub>3</sub>	Student's improving personal or group skills of production for radio & television media.	PO <sub>1</sub>



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	CO <sub>4</sub>	Students learn to writing, presenting & recording of News.	PO <sub>7</sub>
	CO <sub>5</sub>	Student's able to production of radio & television media.	PO <sub>1</sub>
<b>SC-406 Practical– Advance Audio, Visual, Photo Editing</b>	CO <sub>1</sub>	Students work in Photoshop & editing of audio, video & photo.	PO <sub>4</sub>
	CO <sub>2</sub>	To develop skills for camera handling, shooting & preparing photo feature.	PO <sub>4</sub>
	CO <sub>3</sub>	To develop skills of understanding of recording of sound bites & edit it.	PO <sub>2</sub>
	CO <sub>4</sub>	To make students aware of technical and aesthetics of Audio video & photo editing.	PO <sub>3</sub>
	CO <sub>5</sub>	To develop skills for Video making with script writing & editing.	PO <sub>3</sub>
<b>SC-407 Practical- Multimedia Production</b>	CO <sub>1</sub>	Students will learn to create a digital layout.	PO <sub>8</sub>
	CO <sub>2</sub>	Students exercise to 2D animations & technique.	PO <sub>8</sub>
	CO <sub>3</sub>	Students will learn to create, edit & working with animation graph.	PO <sub>7</sub>
	CO <sub>4</sub>	The student's able to recording & mixing of multi track audio.	PO <sub>4</sub>
	CO <sub>5</sub>	Student's improving to skills of multimedia production.	PO <sub>1</sub>
<b>SC-408 Advertisement Television &amp; Media</b>	CO <sub>1</sub>	Students solve quiz on advertising for television & radio production.	PO <sub>10</sub>
	CO <sub>2</sub>	Students study to advertisement agency & analyze social effects of advertisements.	PO <sub>9</sub>
	CO <sub>3</sub>	Students exercise to copywriting & writing headline, slogan.	PO <sub>3</sub>
	CO <sub>4</sub>	Students can practically work on radio & television advertise making.	PO <sub>2</sub>
	CO <sub>5</sub>	Students able to writing & shoot of advertisement for audio or video media.	PO <sub>12</sub>
<b>SC-409 In House Training</b>	CO <sub>1</sub>	Student's able to using digital photography camera & latest software of adobe Photoshop.	PO <sub>3</sub>
	CO <sub>2</sub>	Students study to basic function of camera; basic shots & practice to camera operate.	PO <sub>3</sub>
	CO <sub>3</sub>	Students practice to news Anchoring, recording & editing for radio or television media.	PO <sub>4</sub>
	CO <sub>4</sub>	Students developed skills of group discussion, presentation & writing on current event.	PO <sub>5</sub>
	CO <sub>5</sub>	Student's able to make a documentary, short film and video or audio program production.	PO <sub>1</sub>

**Fifth Semester**

Course		Course Outcome	PO
<b>GE-501 Marketing Management-I</b>	CO <sub>1</sub>	To make the learners aware about conceptual knowledge and evolution of Marketing Management.	PO <sub>1</sub>
	CO <sub>2</sub>	To familiarize the learners with the functions in Marketing Management.	PO <sub>1</sub>





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	CO <sub>3</sub>	To understand the concept of production, branding & modern marketing.	PO <sub>10</sub>
	CO <sub>4</sub>	To explain the various elements of psychology of consumer & their behaviour.	PO <sub>10</sub>
	CO <sub>5</sub>	To understand the need and importance of environmental analysis, SWOT, PEST.	PO <sub>9</sub>
<b>GE-502 Investment Management-I</b>	CO <sub>1</sub>	The Students understands to introduction to investment management, definitions of individual investor & meaning of investor.	PO <sub>10</sub>
	CO <sub>2</sub>	To Provide knowledge and information about financial investment & economic investment.	PO <sub>6</sub>
	CO <sub>3</sub>	Students understanding to objectives, elements, of investment & defiance between investor speculators.	PO <sub>1</sub>
	CO <sub>4</sub>	This subject will help the students in self investment & cell production.	PO <sub>1</sub>
	CO <sub>5</sub>	To learn the various marketing strategies adopted by Companies to create a competitive advantage	PO <sub>12</sub>
<b>GE-503 Disaster Management I- Theory</b>	CO <sub>1</sub>	The Students understands to introduction to disaster management, types of disaster & natural disaster Flood, Cyclone.	PO <sub>1</sub>
	CO <sub>2</sub>	To Provide knowledge and information about industrial pollutions & Nuclear disaster, Biological disaster.	PO <sub>10</sub>
	CO <sub>3</sub>	Students understanding to effect & practical example for all disasters.	PO <sub>1</sub>
	CO <sub>4</sub>	Explain disaster management theory (cycle, phases, risk, crisis, emergency, disasters and resilience).	PO <sub>1</sub>
	CO <sub>5</sub>	Apply knowledge about existing global frameworks and existing agreements and role of community in successful Disaster Risk Reduction.	PO <sub>11</sub>
<b>GE-504 Disaster Management I- Practical's</b>	CO <sub>1</sub>	Students collect to information about existing natural disaster in their area.	PO <sub>6</sub>
	CO <sub>2</sub>	Student is Study to case of Earthquake and writes this report in details.	PO <sub>6</sub>
	CO <sub>3</sub>	Study visit to fire department and write to visit report.	PO <sub>9</sub>
	CO <sub>4</sub>	Student is Study to care of self & society in corona disaster & write this report.	PO <sub>9</sub>
	CO <sub>5</sub>	Student write to essay on How to Media used in disaster Management.	PO <sub>9</sub>
<b>SC-501 Media Management</b>	CO <sub>1</sub>	To introduce basic concept of media management & ownership of media.	PO <sub>10</sub>
	CO <sub>2</sub>	To introduce students to content of productions & its advertising.	PO <sub>3</sub>
	CO <sub>3</sub>	To introduce students to basic concept of medias business & its	PO <sub>1</sub>



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		models.	
	CO <sub>4</sub>	The students can understand to principals & feature of media economic.	PO <sub>2</sub>
	CO <sub>5</sub>	To introduce Students of Government politics for media owners in India & Problem of paid news.	PO <sub>11</sub>
<b>SC-502 Documentary &amp; Film Production</b>	CO <sub>1</sub>	An addition to training as writer/directors, students will become proficient in other production and postproduction skills (camera, lighting, sound, editing)	PO <sub>3</sub>
	CO <sub>2</sub>	Students will learn the rudiments of narrative filmmaking in the short form and be able to apply these skills to long-form work.	PO <sub>12</sub>
	CO <sub>3</sub>	Students will engage in the use and analysis of emerging technologies.	PO <sub>9</sub>
	CO <sub>4</sub>	Demonstrate a comprehensive understanding of the history of documentary film making and the different approaches taken through its course.	PO <sub>12</sub>
	CO <sub>5</sub>	Students will be able to apply theoretical, critical, and historical concepts when making style choices in their own projects and in referencing or analyzing the medium of cinema.	PO <sub>9</sub>
<b>SC-503 Digital Journalism</b>	CO <sub>1</sub>	To introduce the students to Basic concept, factions & types of digital journalism.	PO <sub>8</sub>
	CO <sub>2</sub>	Critically appraise the online media landscape and the potential of new technologies and audiences.	PO <sub>7</sub>
	CO <sub>3</sub>	Students will learn to social networking websites, multimedia content & web browsers.	PO <sub>4</sub>
	CO <sub>4</sub>	The students can understand to reporting of digital media.	PO <sub>8</sub>
	CO <sub>5</sub>	The Students understanding of covering news for digital media.	PO <sub>2</sub>
<b>SC-504 Entertainment Journalism</b>	CO <sub>1</sub>	To introduce the students to Basic concept & traditional definition of entertainment journalism.	PO <sub>10</sub>
	CO <sub>2</sub>	Critically appraise the entertainment media landscape and the potential of new technologies and audiences.	PO <sub>11</sub>
	CO <sub>3</sub>	Students introducing to various entertainment platforms- Cinema, theatre, music, dance, realty shows, culture & new media.	PO <sub>10</sub>
	CO <sub>4</sub>	Recognise and deploy appropriate online journalism strategies to engage readers across a range of online media.	PO <sub>8</sub>
	CO <sub>5</sub>	The Students understanding of politics of digital journalism.	PO <sub>8</sub>
<b>SC-505 Practical –Media Management</b>	CO <sub>1</sub>	Students visit to difference media house & submit the visit report.	PO <sub>9</sub>
	CO <sub>2</sub>	Students understand to work of management in media.	PO <sub>1</sub>
	CO <sub>3</sub>	Students are able to understand the need of in developing content in mass communication.	PO <sub>3</sub>
	CO <sub>4</sub>	Students will be able to practically work at field for news & data collection.	PO <sub>4</sub>



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	CO <sub>5</sub>	After the completion of this course, students are able to understand the media management.	PO <sub>1</sub>
<b>SC-506 Practical – Documentary &amp; Film Production</b>	CO <sub>1</sub>	Students do must be involved in the production of issues of the documentary & film production.	PO <sub>2</sub>
	CO <sub>2</sub>	Students understand to work as documentary creation & short film making.	PO <sub>4</sub>
	CO <sub>3</sub>	Students are able to understand the need of developing content for entertainment media.	PO <sub>3</sub>
	CO <sub>4</sub>	Students Develop the understanding and skill to practically primary work of script writing & dialogs writing.	PO <sub>4</sub>
	CO <sub>5</sub>	Student Able to Script writing & production for entertainment Media.	PO <sub>2</sub>
<b>SC-507 Practical-Digital Journalism</b>	CO <sub>1</sub>	Students understanding the creation of informative website & app.	PO <sub>8</sub>
	CO <sub>2</sub>	Develop the understanding and skill to digital journalism reporting.	PO <sub>8</sub>
	CO <sub>3</sub>	Students Develop the understanding and skill to practically content develop for web news.	PO <sub>7</sub>
	CO <sub>4</sub>	Demonstrate an understanding of create a content for digital journalism.	PO <sub>7</sub>
	CO <sub>5</sub>	Demonstrate a creating a news, taken to interview & Photo for digital Journalism.	PO <sub>12</sub>
<b>SC-508 Practical- Entertainment journalism</b>	CO <sub>1</sub>	Students conduct interview exercises, reporting practice for entertainment Journalism.	PO <sub>12</sub>
	CO <sub>2</sub>	Students work to group discussion & criticism on cinema or film industry.	PO <sub>5</sub>
	CO <sub>3</sub>	Students completed to the five field visit to development project & submit this report.	PO <sub>9</sub>
	CO <sub>4</sub>	Students developed skills of field work & report writing for entertainment Journalism.	PO <sub>9</sub>
	CO <sub>5</sub>	Students developed skills of cinema criticism.	PO <sub>11</sub>
<b>SC-509 Field Work</b>	CO <sub>1</sub>	Students conduct survey on current issues.	PO <sub>11</sub>
	CO <sub>2</sub>	Students submit to the development stories in hard & soft copy.	PO <sub>12</sub>
	CO <sub>3</sub>	Students completed to the five field visit to development project & submit this report.	PO <sub>9</sub>
	CO <sub>4</sub>	Students developed skills of field work & report writing	PO <sub>3</sub>
	CO <sub>5</sub>	Students developed skills of communications skill.	PO <sub>5</sub>

**Sixth Semester**



Course		Course Outcome	PO
<b>GE-601 Marketing Management-II</b>	CO <sub>1</sub>	To make the learners aware about conceptual knowledge and evolution of Marketing Management.	PO <sub>1</sub>
	CO <sub>2</sub>	To familiarize the learners with the pricing design & distribution strategies in Marketing Management.	PO <sub>1</sub>
	CO <sub>3</sub>	To understand the concept of production, branding & modern marketing.	PO <sub>2</sub>
	CO <sub>4</sub>	To explain the various elements of psychology of consumer & their behaviour.	PO <sub>4</sub>
	CO <sub>5</sub>	To understand the need and importance of recent trends in marketing.	PO <sub>10</sub>
<b>GE-602 Investment Management-II</b>	CO <sub>1</sub>	The Students understands to introduction to primary market factors, secondary market & types of market.	PO <sub>9</sub>
	CO <sub>2</sub>	To Provide knowledge and information about risk & return concept.	PO <sub>11</sub>
	CO <sub>3</sub>	Students understanding to objectives, elements, of investment & defiance between investor speculators.	PO <sub>10</sub>
	CO <sub>4</sub>	This subject will help the students in self investment & cell production.	PO <sub>4</sub>
	CO <sub>5</sub>	To learn the valuation & analysis of securities, bond theories & valuation models.	PO <sub>9</sub>
<b>GE-603 Disaster Management II- Theory</b>	CO <sub>1</sub>	The Students understands to concept & nature role of information technology in disaster management.	PO <sub>1</sub>
	CO <sub>2</sub>	To Provide knowledge and information about introduction & plan of disaster management.	PO <sub>10</sub>
	CO <sub>3</sub>	Students understanding to medical health response to difference disasters.	PO <sub>9</sub>
	CO <sub>4</sub>	Explain disaster management theory to rehabilitation, reconstruction & recovery.	PO <sub>1</sub>
	CO <sub>5</sub>	Apply knowledge about rehabilitation, reconstruction and recovery meaning & development.	PO <sub>2</sub>
<b>GE-604 Disaster Management II- Practical's</b>	CO <sub>1</sub>	Students visit to local agency, organisation & submit the visit report.	PO <sub>9</sub>
	CO <sub>2</sub>	Student is taken to interview of government/non-government functionaries.	PO <sub>5</sub>
	CO <sub>3</sub>	Students design to poster with information about meaning of disaster.	PO <sub>10</sub>
	CO <sub>4</sub>	Student is Study to care of self & society in corona disaster & write this report.	PO <sub>9</sub>
	CO <sub>5</sub>	Student write to report on local administration responded to natural disaster.	PO <sub>9</sub>
<b>SC-601</b>	CO <sub>1</sub>	Students introduce to basic concept of Agri-Journalism.	PO <sub>12</sub>



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<b>Agriculture Journalism</b>	CO <sub>2</sub>	To introduce students agriculture in India & Maharashtra.	PO <sub>10</sub>
	CO <sub>3</sub>	To introduce students to basic concept of agriculture economy of India.	PO <sub>12</sub>
	CO <sub>4</sub>	The students can understand to agriculture finance, role of NABARD.	PO <sub>9</sub>
	CO <sub>5</sub>	To introduce Students of developing crisis in agriculture, new trends in agriculture.	PO <sub>7</sub>
<b>SC-602 Business Journalism</b>	CO <sub>1</sub>	Students introduce to basic concept of Business Journalism.	PO <sub>2</sub>
	CO <sub>2</sub>	Students introduce to basic principles of economy & importance of economic terms.	PO <sub>9</sub>
	CO <sub>3</sub>	To introduce students to fundamentals of Indian economy & introduction of GST.	PO <sub>10</sub>
	CO <sub>4</sub>	The students understand to basic concept of World economy.	PO <sub>10</sub>
	CO <sub>5</sub>	To introduce Students to corporate world & cooperative movement.	PO <sub>11</sub>
<b>SC-603 Sports Journalism</b>	CO <sub>1</sub>	To introduce the students to Basic concept, factions & types of sports journalism.	PO <sub>11</sub>
	CO <sub>2</sub>	To introduce Students to history & traditions of various sports.	PO <sub>10</sub>
	CO <sub>3</sub>	Students will learn to traditional Indian sports & present condition.	PO <sub>12</sub>
	CO <sub>4</sub>	The students can understand to tradition of sports reporting in India & World.	PO <sub>2</sub>
	CO <sub>5</sub>	The Students practice to reporting of sports for media & commentary of local game compaction.	PO <sub>3</sub>
<b>SC-604 Managing Television &amp; Radio Shows</b>	CO <sub>1</sub>	To introduce the students to field production, Basic shots camera angel for television & radio shows.	PO <sub>4</sub>
	CO <sub>2</sub>	The Students understanding to concept of video & audio editing	PO <sub>3</sub>
	CO <sub>3</sub>	Students introducing to process of studio production & work of studio.	PO <sub>2</sub>
	CO <sub>4</sub>	Students introducing to radio news room work & television news flow management.	PO <sub>1</sub>
	CO <sub>5</sub>	The Students understanding to managing radio program & news bulletin.	PO <sub>1</sub>
<b>SC-605 Practical– Agriculture Journalism</b>	CO <sub>1</sub>	Students competed to internal assessment on media coverage of rural issues & agriculture.	PO <sub>2</sub>
	CO <sub>2</sub>	Students visit to farms & agricultural research centre & write the visit report.	PO <sub>6</sub>
	CO <sub>3</sub>	Students taken to farmer's interview & write the report.	PO <sub>2</sub>
	CO <sub>4</sub>	The students writing to news & success stories of farmers.	PO <sub>6</sub>
	CO <sub>5</sub>	Student's internship with agriculture news paper & news portal.	PO <sub>7</sub>
<b>SC-606</b>	CO <sub>1</sub>	Students complete to internal assessment on Stock exchange.	PO <sub>4</sub>



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<b>Practical – Business Journalism</b>	CO <sub>2</sub>	Students visit to news organizations, business sections & write the visit report.	PO <sub>9</sub>
	CO <sub>3</sub>	Students attend the press conference and write to news.	PO <sub>5</sub>
	CO <sub>4</sub>	The students writing to news & success stories of businessman.	PO <sub>4</sub>
	CO <sub>5</sub>	Student's study of business news paper & news channel.	PO <sub>12</sub>
<b>SC-607 Practical-Sports Journalism</b>	CO <sub>1</sub>	Students covering the live sports in the near area.	PO <sub>3</sub>
	CO <sub>2</sub>	Develop the understanding and skill to writing news & feature for sports journalism.	PO <sub>4</sub>
	CO <sub>3</sub>	Students taken interview to sports persons, officers & write the report.	PO <sub>5</sub>
	CO <sub>4</sub>	Demonstrate an understanding of create a content for sports journalism.	PO <sub>2</sub>
	CO <sub>5</sub>	Students practices to game commentary & analysis of Sports media.	PO <sub>5</sub>
<b>SC-608 Practical-Managing Television &amp; Radio Shows</b>	CO <sub>1</sub>	Students produce a documentary on any subject or them.	PO <sub>4</sub>
	CO <sub>2</sub>	Students study to prepare production plan a short story	PO <sub>2</sub>
	CO <sub>3</sub>	Students practice to writing a script & story board.	PO <sub>3</sub>
	CO <sub>4</sub>	Students developed skills of camera operating & practice to video shooting exercise.	PO <sub>3</sub>
	CO <sub>5</sub>	Students complete to short & long news bulletin.	PO <sub>4</sub>
<b>SC-609 Internship</b>	CO <sub>1</sub>	Students will comprehend the foundations, process, and practices of writing for and about the media, and demonstrate proficiency in writing in one or more professional media writing applications.	PO <sub>23</sub>
	CO <sub>2</sub>	Informed about journalistic ethics and capable of articulating an ethical decision.	PO <sub>1</sub>
	CO <sub>3</sub>	Conversant about contemporary media issues. Prepared for a diverse and multi-cultural world and workplace.	PO <sub>12</sub>
	CO <sub>4</sub>	<b>Prepared for a diverse and multi-cultural world and workplace.</b>	PO <sub>10</sub>
	CO <sub>5</sub>	Students will understand mass media as a system of interrelated forces, including historical foundations, technological advances, economic dynamics, regulatory constraints, and ethical concerns.	PO <sub>12</sub>