

KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Nanjanapuram, Erode - 638 107

DEPARTMENT OF TAMIL

Programme Outcomes for UG Programme:

At the end of the programme, students will be able to

PO Number	PO Statement
PO1	நுட்பமான சிந்தனை: நமது சிந்தனையையும், செயல்களையும் வடிவமைக்கும் கருத்தாக்கங்களை அடையாளம் கண்டபின் அதற்கான நடவடிக்கைகளை மேற்கொள்ளுதல். இக்கருத்தாக்கங்கள் எந்த அளவிற்குத் துல்லியமானவை என்பதைச் சரிபார்த்து, தங்களது யோசனைகளையும் முடிவுகளையும் (அறிவுசார், நிறுவன மற்றும் தனிப்பட்ட) வெவ்வேறு கோணங்களிலிருந்து பார்த்து அறிவர்.
PO2	பயனுள்ள தகவல் தொடர்பு: தனி நபராக தெளிவாகப் பேசவும் படிக்கவும் எழுதவும் மற்றும் கேட்கவும் அறிந்துகொள்வர். மின்னணு ஊடகங்கள் வாயிலாக ஆங்கிலம் மற்றும் இதர இந்திய மொழியை அறிவதால் பல நூல்கள், கருத்துகள், ஊடகம் மற்றும் தொழில்நுட்பத்தைப் புரிந்துகொள்வதோடு உலகியலைத் தொடர்புகொள்ளவும் அறிவர்.
PO3	சமூகத்தொடர்பு: பிறருடைய கருத்துகளையும் எண்ணங்களையும் வெளிக்கொண்டு வருவதோடு கருத்து வேறுபாடுகளை பொது முடிவுக்குக் கொண்டு வருதல் மற்றும் குழு அமைப்புகள் மூலம் கருத்துகளை முடிவுக்குக் கொண்டு வருதல்.
PO4	பயனுள்ள குடியுரிமை: சமூக நலத்தில் அக்கறை கொண்டு பரவலான சமத்துவ தேசிய வளர்ச்சி மற்றும் தேசியப் பிரச்சினைகளில் பங்கு பெறும் திறனைப்பெறுதல். பொதுத்தொண்டு நிறுவனங்களுடன் இணைந்து நாட்டு நலனுக்காக செயல்படுதல்.
PO5	நெறிமுறைகள்: பல்வேறு சமூக நெறிமுறைகளை உணர்ந்து அவற்றின் வழி நடப்பதற்கும் பொறுப்புகளை ஏற்றுக்கொள்வதற்குமான திறன் பெறுவர்.
PO6	சுற்றுச்சூழல் மற்றும் நிலைத்தன்மை: சுற்றுச்சூழல் மற்றும் அதன் நிலையான வளர்ச்சியின் சிக்கல்களைப் புரிதல்.
PO7	சுயமாக வாழ்நாள் முழுவதும் கற்றல்: பரந்த சூழலில் ஏற்றப்பட்டுள்ள சமூக தொழில் நுட்ப மாற்றங்களை சுதந்திரமாக வாழ்நாள் முழுவதும் கற்கும் திறன் பெறுதல்.

Programme Specific Outcomes:

At the end of the programme, students will be equipped with the knowledge to

PSO Number	PSO Statement
PSO1	இலக்கியம், இலக்கணங்களின் பாடுபொருளை அறிதல்.
PSO2	மரபு மற்றும் பண்பாட்டு நெறிகளை உணர்தல்.
PSO3	மொழியியல் திறன் பெறுதல்.
PSO4	சமயம், வாழ்வியல் விழுமியங்களை அறிதல்.
PSO5	படைப்பாக்கத்திறனைப் பெறுதல்.

SEMESTER: V**Course Name: CORE-IX : சங்க இலக்கியம்- அகம் மற்றும் புறம்****Course Code: 21UAUCT501**

C01	சங்க நூல்களின் பாடுபொருள் குறித்த சிந்தனைகளை அறிந்து தன் வாழ்வில் பயன்படுத்துதல்.
C02	சங்க நூல்களின் வாயிலாக அக்கால சமுதாயத்தின் நிலையை உணர்தல்.
C03	சங்ககால மக்களின் பண்பாடுகளை அறிந்து, தானும் பின்பற்ற முயற்சித்தல்.
C04	சங்ககால மக்களின் வீரத்தையும் நாட்டுப்பற்றையும் கற்று, சக மக்களுக்கும் அறியச் செய்தல்.
C05	சங்ககால நாகரீகத்தை உணர்ந்து செயல்படுதல்.

Course Name: CORE-X: நம்பியகப்பொருள்**Course Code: 21UAUCT502**

C01	அகப்பொருள் மரபுகளை அறிந்துகொள்ள உதவும்.
C02	ஐந்திணைகளுக்குரிய முதல், கரு, உரிப்பொருள்களை அறிந்துகொள்ள உதவும்.
C03	களவு - கற்பு இலக்கண மரபுகளைக் கற்று அறிய உதவும்.
C04	பண்டைத்தமிழரின் வாழ்வியல் நெறிகளை அறிய உதவும்.
C05	எண்வகைத் திருமண முறைகளை அறிய உதவும்.

Course Name: CORE-XI: புறப்பொருள் வெண்பாமாலை**Course Code: 21UAUCT503**

C01	புறப்பொருள் இலக்கணத்தை வெண்பா யாப்பினால் விளங்கிக்கொள்ள உதவும்.
C02	போர் அறம் குறித்து அறிந்து வீரத்தை வளர்த்துக்கொள்ள உதவும்.
C03	போர் மேற்கொள்ளும் இடம், பொருள், காலத்திற்கு ஏற்ற திணை, துறைகளை அறிய உதவும்.
C04	சங்ககாலப் போர்த்திறம் மற்றும் வெற்றி குறித்து அறிய உதவும்.
C05	பாடப்படும் ஆண்மகனது நல்லொழுக்கம், வெற்றிச் சிறப்புகளைக் கற்று வாழ்வில் மேம்பட உதவும்.

Course Name: CORE-XII: இலக்கியத் திறனாய்வு**Course Code: 21UAUCT504**

C01	இலக்கியத் திறனாய்வு, திறனாய்வாளருக்குரிய தகுதிகள் குறித்து அறிந்து திறனாய்வு செய்தல்.
C02	கவிதையின் வடிவமைப்பு மற்றும் வகைகளை அறிந்து கவிதை எழுதப் பழகுவதல்.
C03	புதினம், சிறுகதை வகைகளை அறிந்து படைப்புகளை வகைப்படுத்த முயற்சி செய்தல்.
C04	நாடக அமைப்பு, புதுக்கவிதையின் காலகட்டம் ஆகியன குறித்து அறிந்து திறனாய்வு.
C05	திறனாய்விற்கான அணுகுமுறைகளை தெரிந்து கொள்ளுதல்.

Course Name: ELECTIVE I (A) : தமிழர் வளர்த்த அழகுக் கலைகள்
Course Code: 21UAUET505

C01	அழகுக்கலை மற்றும் கட்டிடக் கலையின் வளர்ச்சி குறித்து அறிந்து கலை நுணுக்கத்தை உருவாக்க உதவும்
C02	மாணவர்கள் பிற்காலத்தில் சிறந்த சிற்பக் கலைஞர்களாக வளர உதவும்
C03	மாணவர்கள் தங்கள் ஓவியப்படைப்புத் திறனை வளர்த்துக்கொள்ள உதவும்
C04	இசைக்கலை கற்பதன் மூலம் மாணவர்களுக்கு வேலை வாய்ப்பினை ஏற்படுத்த உதவும்
C05	அழிந்துவரும் நாடகக் கலையை மீட்டுருவாக்கம் செய்ய உதவும்

Course Name: ELECTIVE I (B) இதழியல்
Course Code: 21UAUET506

C01	இதழ்களின் வளர்ச்சி குறித்து அறிந்து இதழியல் அறிவு பெற உதவும்.
C02	மாணவர்கள் பிற்காலத்தில் சிறந்த செய்தியாளர்களாக வளர உதவும்.
C03	மாணவர்கள் தங்கள் படைப்புகளை பல்வேறு இதழ்களில் வெளியிட உதவும்.
C04	பல்வேறு செய்தி நிறுவனங்கள், தொலைக்காட்சி மற்றும் வானொலி பணிக்குச் செல்ல உதவும்.
C05	புதியதாக இதழ்கள் தொடங்க உதவி புரியும்.

Course Name: ELECTIVE I (C) கல்வெட்டியல்
Course Code: 21UAUET507

C01	கல்வெட்டுகளின் பயன்பாடுகளை அறிந்துகொள்ள உதவும்.
C02	தமிழ்க் கல்வெட்டுகளின் பழமையை உணர்தல்
C03	பண்டைய தமிழ் எழுத்துகளின் வடிவம் பற்றி அறிதல்
C04	தமிழ்க் கல்வெட்டிற்கும் பிறமொழி கல்வெட்டிற்கும் உள்ள வேறுபாட்டினை அறிதல்
C05	பிறமொழிக் கல்வெட்டுகளின் சிறப்பினை அறிதல்

Course Name: SKILL BASED SUBJECT – III: மேடைப் பேச்சுக்கலை
Course Code: 21UAUST508

C01	மேடைப் பேச்சு குறித்த வரலாற்றை அறிதல்
C02	மொழியைக் கையாளும் திறனைப் புரிந்துகொள்ளல்
C03	பேச்சுக்கலைப் பயிற்சிகள் மூலம் பேச்சாற்றலை வெளிப்படுத்தும் திறன் பெறுதல்
C04	பேச்சாளருக்குரிய நெறிமுறைகளைப் பகுத்தறிதல்
C05	சொற்பொழிவாற்றும் முறையினை அறிதல்

Course Name: ADVANCED LEARNERS COURSE–II (A): புதினம்
Course Code: 21UAUAL509

C01	புதின வரலாற்றினை அறிந்து புதினம் படைத்தல்.
C02	புதினத்தின் வகைகளை அறியச்செய்தல்.
C03	ஓர் குறிப்பிட்ட புதினம் குறித்த அறிவை வளர்த்துக் கொள்வர்.
C04	புதிய படைப்பில் நேர்த்தியான கதாப்பாத்திரங்களை வடிவமைப்பர்.
C05	புதினத்தை மதிப்பீடு செய்யும் திறன் பெறுதல்

Course Name: ADVANCED LEARNERS COURSE–II (B) : நாடகம்

Course Code: 21UAUAL510

C01	நாடக வரலாற்றினை அறிந்து நடிக்கும் திறன் பெறுதல்
C02	பண்டைய நாடக அரங்க அமைப்பினை அறிந்து கொள்வர்
C03	நாடக வகைகளைப் பகுத்தாராய்ந்து, நாடகத்தோடு ஒன்றுதல்
C04	நாடகக் கலைஞர்களின் திறனை உணர்தல்
C05	பிசிராந்தையார் நாடகத்தின் வாயிலாக நட்பின் தன்மையை மதிப்பிடல்

SEMESTER: VI**Course Name: CORE-XIII - நாட்டுப்புறவியல்****Course Code: 21UAUCT601**

C01	நாட்டுப்புறவியல் துறையின் வளர்நிலைகளையும் வகைமைகளையும் தெரிந்து கொள்ளுதல்.
C02	நாட்டுப்புறக் கலைகளை நிகழ்த்தும் திறனை வளர்க்கச் செய்தல்.
C03	நாட்டுப்புறக் கதைகள் மற்றும் கதைப்பாடல்கள் வாயிலாகப் பண்பாட்டினை அறியச் செய்தல்.
C04	நாட்டுப்புறத் தெய்வ வழிபாடு மற்றும் மக்களின் நம்பிக்கையினை அறியச் செய்தல்.
C05	கள ஆய்வின் முக்கியத்துவத்தை உணர்த்துதல்.

Course Name: CORE-XIV - தமிழ் மொழி வரலாறு**Course Code: 21UAUCT602**

C01	மொழி அமைப்பும் வரலாறும் குறித்து அறியச் செய்தல்
C02	பிராமி கல்வெட்டுகள் மற்றும் சங்க காலத் தமிழை அறிதல்
C03	பல்வேறு அரசர் காலகட்டத்துத் தமிழை அறியச்செய்தல்
C04	பத்தொன்பதாம் இருபதாம் நூற்றாண்டுத் தமிழ் குறித்து அறியச்செய்தல்
C05	தமிழில் பிறமொழிக் கலப்புக் குறித்து அறியச்செய்தல்

Course Name: CORE-XV - சித்த மருத்துவம்**Course Code: 21UAUCT603**

C01	இலக்கியங்களில் இடம்பெற்றுள்ள சித்தமருத்துவச் செய்திகளை தெரியச் செய்தல்.
C02	தமிழர்களின் மருத்துவ முறையை அறியச் செய்தல்.
C03	சித்தமருத்துவத்தின் சிறப்புகளை உணரச் செய்தல்.
C04	நோயும் அதற்கான உணவும் குறித்து அறியச் செய்தல்.
C05	மூலிகைகளின் குணங்களை அறியச் செய்தல்.

Course Name: CORE-XVI - ஆய்வேடு**Course Code: 21UAUCT604**

C01	ஆய்வு மேற்கொண்டு ஆய்வேடு வடிவமைக்கும் முறைகளை அறியச் செய்தல்.
C02	
C03	
C04	
C05	

Course Name: ELECTIVE II (A) - திரைப்படக்கலை**Course Code: 21UAUET605**

C01	ஊடகங்களில் ஒன்றான திரைப்படத்தின் வரலாற்றை அறிதல்
C02	உலகத் திரைப்பட வரலாற்றை அறிந்து கொள்ளுதல்
C03	ஆவணப்படங்களையும் குறும்படங்களையும் எடுக்கும் திறன் பெறுதல்
C04	இன்றைய திரைப்படத்தின் போக்கை அறிந்து கொள்ளுதல்
C05	ஆவணப்படங்கள், குறும்படங்கள் தயாரிக்கும் திறன் பெறுவர்

Course Name: ELECTIVE II (B) - மைய அரசுப் பணித்தேர்வு

Course Code: 21UAUET606

CO1	இந்திய மொழிக் குடும்பங்களின் வரலாற்றை அறிதல்
CO2	மொழிகளின் வகைகளையும், மொழிக்கலப்பின் இயல்புகளையும் அறிதல்
CO3	தமிழ் இலக்கிய வரலாற்றை அறிதல்
CO4	பக்தி இலக்கியம் மற்றும் சிற்றிலக்கியங்களின் கருத்தாக்கத்தை அறிதல்
CO5	மைய அரசுப் பணித்தேர்வை எதிர்கொள்ளும் திறன் பெறுதல்

Course Name: ELECTIVE II (C) - கொங்கு நாட்டு வரலாறு

Course Code: 21UAUET607

CO1	கொங்குநாடு குறித்தும் பிற நாட்டவரோடு கொண்டிருந்த உறவு குறித்தும் அறிய உதவும்.
CO2	கொங்கு நாட்டினை ஆட்சி புரிந்த அரசர்கள் குறித்த தரவுகளை அறிய உதவும்.
CO3	கொங்கு நாட்டில் சோழர்களின் ஆதிக்கம் குறித்து அறிய உதவும்.
CO4	கொங்கு நாட்டின் கோவில் அமைப்பினை அறிந்து கொள்ள உதவும்.
CO5	கொங்குநாட்டுப் புலவர்களையும் அவர்களின் படைப்புகளையும் அறிய உதவும்.

Course Name: ELECTIVE III (A) - விளம்பரக்கலை

Course Code: 21UAUET608

CO1	விளம்பரம் எழுதும் திறன் பெறுதல்
CO2	விளம்பரத்துறையில் உள்ள வேலைவாய்ப்பினை அறிதல்
CO3	விளம்பரச் சட்ட நுணுக்கங்களைப் புரிதல்
CO4	விளம்பர வகைகளை பகுத்தறிதல்
CO5	விளம்பரம் தயாரிக்கும் பயிற்சி பெறுதல்

Course Name: ELECTIVE III (B) - சுற்றுலாவியல்

Course Code: 21UAUET609

CO1	சுற்றுலா குறித்த செய்திகளை அறிந்து கொள்ளுதல்
CO2	மக்களின் பல்வேறுபட்ட பண்பாட்டினை அறிதல்
CO3	சுற்றுலாத் தலங்களைப் பாதுகாக்கும் உணர்வுகளைப் பெறுதல்
CO4	பண்டைத் தமிழகத்தின் பண்பாட்டுச் சுற்றுலா குறித்து அறிந்து கொள்ளுதல்
CO5	இலக்கியங்களில் இடம் பெற்றுள்ள சுற்றுலாத் தலங்கள் குறித்து அறிந்து கொள்ளுதல்

Course Name: ELECTIVE III (C) - மொழிபெயர்ப்பியல்

Course Code: 21UAUET610

CO1	மொழிபெயர்ப்பின் வரலாற்றினை அறிந்து மொழி ஆளுமையைக் கற்றல்
CO2	மொழிபெயர்ப்பு நெறிகளைப் புரிந்துகொள்ளல்
CO3	மொழிபெயர்ப்பில் கலைச் சொல்லாக்கத்தைப் பயன்படுத்துதல்
CO4	மொழிபெயர்ப்பு சிக்கல்களைப் பகுத்தறிதல்
CO5	மொழிபெயர்ப்புக் காரணிகளை மதிப்பிடுதல்

Course Name: SKILL BASED SUBJECT IV - நூலகப்பயன்பாடு

Course Code: 21UAUST611

C01	நூலகம் குறித்த வரலாற்றினை அறிதல்
C02	நூலைப் பாதுகாத்தலின் அவசியத்தைப் புரிதல்
C03	மின்னணு நூலகப் பயன்பாடு குறித்து அறிதல்
C04	இதழ்களின் வகைப்பாட்டை பகுத்தல்
C05	நூலைத் திறனாய்வு செய்யும் சிந்தனையைப் பெறுதல்

**KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Nanjanapuram, Erode - 638 107

DEPARTMENT OF ENGLISH

SEMESTER - V

Course Outcomes (CO): On completion of the course, students should be able to

COURSE: CORE – X WOMEN’S WRITING

COURSE CODE: 21UAACT501

CO1	Identify the nuances of the poetic language and devices and an insight to problems and approaches of women in the society.
CO2	Appraise the growth of women and feminism in the critical points of view of prose.
CO3	Access the moral, cast, dialogues, narration and other aspects of drama to appreciate the sublimity of dramatic and theatrical style with special reference to the protagonist women character.
CO4	Compute the importance of style, technique and brevity to acknowledge the aspects of role of women novelists in Fiction.
CO5	Infer the rhetoric aspect of short stories and learn moral values.

COURSE: CORE– XI AMERICAN LITERATURE

COURSE CODE: 21UAACT502

CO1	Understand the diverse origin of American literature
CO2	Understand the social history and the values of morality of the United States
CO3	Distinguish and identify the literary genres of early American texts
CO4	Develop close reading skills as a means of literary analysis
CO5	Demonstrate general skills in literary analysis and critical thinking

COURSE: CORE– XII ENGLISH PHONETICS

COURSE CODE: 21UAACT503

CO1	To develop basic insights into the sound system of English and of Central Analytic concepts in Phonetics and Phonology.
CO2	To isolate and pronounce vowels and consonants identified in the pronunciation analysis.
CO3	To have sufficient competence to extend the knowledge in order to analyze linguistic concepts and vocabulary.
CO4	To identify and use stress and unstress at both the word and sentence level.
CO5	To use appropriate intonation patterns, Pitch changes and rhythms for English Phrases.

COURSE: CORE - XIII LITERARY THEORIES

COURSE CODE: 21UAACT504

CO1	Deduce the philosophy of various modes of thinking and relate to the concepts of literary theory.
CO2	Formulate a solution to current literary issues by various perspectives of critical literary theory.
CO3	Choose possible applications of critical theory to various literary texts and critical methodologies appropriate to the practice of critical disciplines.
CO4	Demonstrate the knowledge that literary theory is a distinctive study of history along with the blend of culture.
CO5	Advocate critical methodologies appropriate to the practice of current theories.

COURSE: ELECTIVE – I A INTRODUCTION TO LINGUISTICS
COURSE CODE: 21UAAET505

CO1	Develop a comprehensive understanding of the field of linguistics, its history, and its significance in the study of language
CO2	Acquire in-depth knowledge of the study of sounds and sound patterns, including phonetics and phonology
CO3	Gain insight into the processes and mechanisms involved in word formation and the construction of linguistic unit
CO4	Explore Chomsky's linguistic theories, including Transformational Generative Grammar, Government and Binding Theory, and Universal Grammar
CO5	Develop an awareness of the interdisciplinary aspects of linguistics, and their impact on language use, policy, and preservation

COURSE: ELECTIVE – I B AUSTRALIAN LITERATURE
COURSE CODE: 21UAAET506

CO1	Demonstrate familiarity with a range of Australian Literary works.
CO2	Conceptualize Australian Literature in terms of relevant theoretical concepts.
CO3	Enhance their understanding of developments and continuities in Australian culture.
CO4	Acquire knowledge of the literary history of Australia.
CO5	Critically engage with Australian literary works to significant themes of Australian Society and life.

COURSE: ELECTIVE – I C TRAVEL LITERATURE
COURSE CODE: 21UAAET507

CO1	Recognize the difference in the styles, strategies and problems of representation among people in Literature
CO2	Acquire knowledge in the aspects of survival in travel
CO3	Compare the culture presented in the novel with the culture of the learners
CO4	Critically appreciate the culture assumptions through writings about travel
CO5	Comprehend the imaginative, creative, artistic style of the novelist

COURSE: SBC – III LITERARY TRANSLATION STUDIES
COURSE CODE: 21UAAST508

CO1	Learn translation theory and its application to literary translation.
CO2	Reflect on socio-cultural processes affecting translation processes.
CO3	Identify the problems of publishable translations.
CO4	Learn the distinctive set of skills and knowledge required to translate different literary genres.
CO5	Translate literary texts into aesthetic interpretations that closely transfer the content of the original to another language.

COURSE: ALC- II FOLKLORES
COURSE CODE: 21UAAAL509

CO1	Recall the different forms and variations of folk drama and theatre.
CO2	Understand the various forms and patterns of Indian Folklore.
CO3	Identify various kinds of protest that against power and authority (social, political, religious).
CO4	Analyze the significance of adaptation as a practice in reviving folk.
CO5	Evaluate the importance of archives and their role in our society.

COURSE: ALC- II CHILDREN'S LITERATURE
COURSE CODE: 21UAAAL510

CO1	Appreciate the value of multicultural and international children's literature in developing an understanding of and appreciation for other cultures through literary genres
CO2	Perceive the importance of self – directed learning
CO3	Understand how children's books support student's multiple perspectives and empathy while promoting their cognitive, social, emotional, language and aesthetic development.
CO4	Think critically about the Ethical Values presented in a Metaphysical Sense
CO5	Maintains a climate of openness, inquiry, fairness and support.

SEMESTER - VI

Course Outcomes (CO): On completion of the course, students should be able to

COURSE: CORE – XIV WORLD CLASSICS IN TRANSLATION
COURSE CODE: 21UAACT601

CO1	Relate the literary style of the translation works.
CO2	Understand the social life and its reflection in the literary text of the age.
CO3	Apply the features of the different literary themes in the prescribed texts.
CO4	Analyze the prominent works in the classical writers.
CO5	Evaluate the themes of the translation works.

COURSE: CORE – XV ENGLISH LITERATURE FOR COMPETITIVE EXAMS
COURSE CODE: : 21UAACT602

CO1	Identify the Development of Literature and writers from ancient period to contemporary.
CO2	Understand the rich legacy of English Literature and the contribution of legendary writers to the development of English Literature
CO3	To know the literary terms, device and their features.
CO4	To understand various theorists and their concepts in literature
CO5	To develop the Analytical and Critical Thinking Skills

COURSE: ELECTIVE–II A PUBLIC SPEAKING
COURSE CODE: 21UAAET603

CO1	Understand the basic concept of Public Speaking
CO2	Analyze the audience and choose the appropriate topic
CO3	Identify the skills need for Speaker Confidence
CO4	Create the speech writing with proper beginning and ending of the speech
CO5	Communicate with empathy

COURSE: ELECTIVE –II B PERSONALITY DEVELOPMENT
COURSE CODE: 21UAAET604

CO1	Understand the basic concepts of Personality and its elements
CO2	Distinguish and Explain the various types of Personality
CO3	Assess their own Development of Personality
CO4	Use an organized behavior in the society
CO5	Invent some adept ways for self-motivation

COURSE: ELECTIVE –II C ENGLISH LANGUAGE TEACHING
COURSE CODE: 21UAAET605

CO1	To recognize characteristics properties of earlier varieties of English.
CO2	To understand the role and rationale behind the various methods and approaches used in English Language Teaching.
CO3	To develop a greater awareness of methods and approaches in Post – Methods Era.
CO4	To understand the factors that influence use of grammar and vocabulary in speech and writing.
CO5	To practice the grammar needed to write various types of writing including journals, personal and academic paragraph.

COURSE: ELECTIVE – III A READING POETRY
COURSE CODE: 21UAAET606

CO1	Demonstrate an understanding of the historical and cultural significance of poetry as a literary art form.
CO2	Understand the relationship between meter and meaning in poetry and its impact on the overall effect of a poem.
CO3	Explore the role of humor in poetry and its various forms, such as wit, irony, satire, and parody.
CO4	Apply different theoretical frameworks to analyze and interpret poems from diverse perspectives.
CO5	Examine the literary movement of confessional poetry and its significance in the mid-20th century.

COURSE: ELECTIVE- III B CANADIAN LITERATURE
COURSE CODE: 21UAAET607

CO1	Appraise the introduction and growth of Canadian literature providing an overview
CO2	Identify the nuances of the poetic language and devices and an insight to Diasporic context.
CO3	Access the moral, cast, dialogues, narration and other aspects of drama to appreciate the sublimity of dramatic and theatrical style.
CO4	Compute the importance of style, technique and brevity to acknowledge the aspects of Literature in Fiction.
CO5	Infer the rhetoric aspect of short stories and learn moral values.

COURSE: ELECTIVE- III C COMPARATIVE LITERATURE
COURSE CODE: 21UAAET608

CO1	Demonstrate comprehensive knowledge of literary relational aspects of influences and similarities.
CO2	Compare different literatures in different genres.
CO3	Explain ‘comparison’ as a method of study and literatures as content in their culture and linguistic diversity
CO4	Demonstrate the knowledge that comparative literature is a distinctive study of multiple literature with mutual influences causing all types of boundaries.
CO5	Apply required literary tools to understand and appreciate texts for comparative study.

COURSE: PROJECT WORK
COURSE CODE: 21UAACV609

CO1	On successful completion of the course, the students will be able to attain practical knowledge in analyzing and implementing the English Literature concepts and piece of work of art
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COURSE: SBC- IV CREATIVE WRITING
COURSE CODE: 21UAAST610

CO1	Become familiar with the literary language and craft aspects of creative writing, such as story, scene, characters, point of view, dialogue, and imagery.
CO2	Apply their observation in a creative way, generally with the help of literary language
CO3	Understand the basic components of poetry and its various forms along with prescribed poems and self experiment
CO4	Recognize and explain key features in fiction and its usage
CO5	Describe, analyze, interpret and evaluate dramatic literature and theatrical productions.

DEPARTMENT OF COMMERCE

SEMESTER: V

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: CORE – XIV COST ACCOUNTING

Course Code: 21UADCT501

CO1	Remember the cost concepts and able to prepare cost sheets.
CO2	Understand various levels and able to find out value of closing stock after Material issued.
CO3	Apply the methods of labour turnover and system of wage payment.
CO4	Analyse the allocation, apportionment and absorption methods.
CO5	Evaluate the contract and process accounts.

Course Name: CORE – XV DIRECT TAXES

Course Code: 21UADCT502

CO1	Know the basic concepts of income and residential status
CO2	Understand the provisions relating to salary income and house property income.
CO3	Apply the provisions to evaluate business and professional income.
CO4	Analyze the deductions under gross total income.
CO5	Evaluate the aggregate income and tax liability of individual.

Course Name: CORE – XVI ENTREPRENEURSHIP DEVELOPMENT

Course Code: 21UADCT503

CO1	Student will be able to assess or identify their quality/ability/aptitude for entrepreneurship.
CO2	Know the parameters to assess opportunities and prepare a business plan.
CO3	Student will be able to verbally articulate the value proposition of an Entrepreneurial venture..
CO4	Understand the content for preparing a Project Report for a start up and differentiate between financial, technical analysis and business feasibility.
CO5	Assess the role of bankers in Entrepreneurship development.

Course Name: CORE – XVII INDIAN FINANCIAL MARKET

Course Code: 21UADCT504

CO1	Comprehend and analyze the financial markets in Indian financial system
CO2	Analyze the appropriate measures of risk and return for various financial instruments.
CO3	Learn the process of money and capital market.
CO4	Analyse the regulations of financial intermediaries.
CO5	Assess the role of Regulatory Bodies.

Course Name: ELECTIVE – I B. HUMAN RESOURCE MANAGEMENT**Course Code: 21UADET506**

C01	Remember the basic concepts of Human Resource Management and its essential role in Contemporary organization's internal and external environment.
C02	Understand the role and factors influence the Human Resource planning.
C03	Apply the current theory and practice of recruitment and selection in relation to the organization.
C04	Analyze the appropriate implementation, monitoring and assessment procedures for training and Development.
C05	Evaluate the different techniques and challenges involved in the performance appraisal.

Course Name: SKILL BASED – III ACCOUNTING SOFTWARE (TALLY) & E-COMMERCE**Course Code: 21UADST508**

C01	Know the basic concepts of income and residential status
C02	Understand the provisions relating to salary income and house property income.
C03	Apply the provisions to evaluate business and professional income.
C04	Analyze the deductions under gross total income.
C05	Evaluate the aggregate income and tax liability of individual.

Course Name: ADVANCED LEARNERS COURSE II : INSURANCE LEGISLATIVE FRAMEWORK**Course Code: 21UADAL509**

C01	Remember the basic concepts of Insurance legislation in India
C02	Comprehend the procedures for conduct of insurance business
C03	Apply the basic insurance knowledge related to General insurance
C04	Analyze the features of marine insurance Act
C05	Evaluate the IRDA Provisions and regulations.

Course Name: ADVANCED LEARNERS COURSE II : BUSINESS ETHICS**Course Code: 21UADAL510**

C01	Understand the business ethics in the modern economic environment.
C02	Evaluate the normative ethics in the management.
C03	Enumerate the ethics aspects in marketing.
C04	Analyze the changing expectations of social responsibility.
C05	Ensure that all stakeholders are considered in decision making.

SEMESTER: VI**Course Outcomes (CO):** On completion of the course, students should be able to**Course Name:** Core-XVIII : Management Accounting**Course Code:** 21UADCT601

CO 1	Understand the basic concepts and tools of management accounting.
CO 2	Analyse the various types of ratios.
CO 3	Learn how to prepare funds flow Statement and Cash Flow Statement.
CO 4	Acquire Knowledge about the marginal costing.
CO 5	Familiarize with preparation of budget and budgetary control.

Course Name: CORE :XIX AUDITING**Course Code:** 21UADCT602

CO 1	Remember the nature and importance of auditing
CO 2	Understand the need for an internal audit and different types of audit evidence.
CO 3	Apply the various techniques for valuation of assets and liabilities
CO 4	Analyze the audit report and the duties, liabilities of an auditor
CO 5	Evaluate the various sources of EDP Systems in auditing

Course Name: CORE XX INDIRECT TAXES**Course Code:** 21UADCT603

CO 1	Remember the nature of taxation system in India.
CO 2	Understand the strength, threads, opportunities and challenges of GST
CO 3	Apply the GST law comprehensively in a concise manner
CO 4	Analyze the liabilities and input tax credit adjustments in filling GST returns
CO 5	Evaluate the E-Way bills in an clear and lucid manner

Course Name: ELECTIVE-II A.INDIAN FINANCIAL SERVICES**Course Code:** 21UADET604

CO 1	Comprehend to impart knowledge regarding the components of Indian Financial Services.
CO 2	Summarize the types of merchant banking activities and services.
CO 3	Evaluate Leasing and Hire Purchase service
CO 4	Develop knowledge in factoring, forfaiting and bill discounting services.
CO 5	Assess the Recent Trends in Financial services of Mutual Funds.

Course Name: ELECTIVE-II B.INTERNATIONAL BUSINESS**Course Code: 21UADET605**

CO 1	Remember the concepts of international business and its importance in corporate world.
CO 2	Understand the procedures of foreign exchange currency and international monetary system
CO 3	Apply the theories of international frame and monetary issues and apply them to real world situations.
CO 4	Analyze the reasons of FDI and payment terms in foreign trade.
CO 5	Evaluate the implications of international marketing and its promotional strategies.

Course Name: ELECTIVE-II C.RESEARCH METHODOLOGY**Course Code: 21UADET606**

CO 1	Explain the Importance of Research, its Objectives, and Types of Research
CO 2	Illustrate the Research Process, Reporting, and Sampling
CO 3	Examine the Data Collection and Processing and Tools for Primary Data Collection.
CO 4	Formulate Hypothesis Testing and Testing Approaches
CO 5	Assesses Report Writing and Contents of Research Reports

Course Name: Elective-III A. Business Organization**Course Code: 21UADET607**

CO 1	Ability to understand the concept of Business Organisation along with the basic laws and norms of Business Organisation
CO 2	Ability to understand the terminologies associated with the field of Business Organisation along with their relevance
CO 3	Ability to identify the appropriate types and functioning of Business Organisation for solving different problems.
CO 4	Ability to apply basic Business Organisation principles to solve business and industry related problems
CO 5	Ability to understand the concept of Sole Proprietorship, Partnership and Joint Stock Company etc

Course Name: ELECTIVE III : B.PORTFOLIO AND INVESTMENT MANAGEMENT**Course Code: 21UADET608**

CO 1	Remember the concepts of investment environment.
CO 2	Understand the various investment avenues and personal finance.
CO 3	Apply various portfolio management techniques .
CO 4	Analyze the securities using fundamental and technical analysis.
CO 5	Evaluate the risk and return of a particular portfolio.

Course Name: ELECTIVE III C. PROJECT WORK

Course Code: 21UADEV609

CO1	Enable the students to think beyond the boundaries of the class room.
CO2	Understand the techniques of identifying and defining the problem.
CO3	Analyse the various areas of research and able to select the appropriate one.
CO4	Apply the knowledge and skills throughout the project building process.
CO5	Evaluate the project for actual economic and social benefit

Course Name: SKILL BASED IV Accounting Software(Tally) & E-Commerce Practical

Course Code: 21UADSP610

CO 1	Remember the basics of creating HTML documents.
CO 2	Understand the document formatting involved in web page design.
CO 3	Apply the procedure for handling images and tables in web page.
CO 4	Analyze the mechanism to develop the concept of basic and advanced formatting.
CO 5	Evaluate the concept of tally do possess required skill and work with well-known accounting software.

DEPARTMENT OF BANKING & INSURANCE

SEMESTER: V

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: **CORE XIV: COST ACCOUNTING**

Course Code: **21UAICT501**

CO1	Remember the cost concepts and able to prepare cost sheets.
CO2	<i>Understand various levels and able to find out value of closing stock after Material issued.</i>
CO3	Apply the methods of labour turnover and system of wage payment.
CO4	Analyse the allocation, apportionment and absorption methods.
CO5	Evaluate the contract and process accounts.

Course Name: **CORE XV: DIRECT TAXES**

Course Code: **21UAICT502**

CO1	Know the basic concepts of income and residential status
CO2	Understand the provisions relating to salary income and house property income.
CO3	Apply the provisions to evaluate business and professional income.
CO4	Analyze the deductions under gross total income.
CO5	Evaluate the aggregate income and tax liability of individual.

Course Name: **CORE XVI: ENTREPRENEURSHIP DEVELOPMENT**

Course Code: **21UAICT503**

CO1	Student will be able to assess or identify their quality/ability/aptitude for entrepreneurship.
CO2	Know the parameters to assess opportunities and prepare a business plan.
CO3	Student will be able to verbally articulate the value proposition of an Entrepreneurial venture.
CO4	Understand the content for preparing a Project Report for a start up and differentiate between financial, technical analysis and business feasibility.
CO5	Assess the role of bankers in Entrepreneurship development.

Course Name: **CORE XVII: INDIAN FINANCIAL MARKET**

Course Code: **21UAICT504**

CO1	Comprehend and analyze the financial markets in Indian financial system
CO2	Analyze the appropriate measures of risk and return for various financial instruments.
CO3	Learn the process of money and capital market.
CO4	Analyse the regulations of financial intermediaries.
CO5	Assess the role of Regulatory Bodies.

Course Name: ELECTIVE I: B. HUMAN RESOURCE MANAGEMENT
Course Code: 21UAIET506

CO1	Remember the basic concepts of Human Resource Management and its essential role in Contemporary organization's internal and external environment.
CO2	Understand the role and factors influence the Human Resource planning.
CO3	Apply the current theory and practice of recruitment and selection in relation to the organization.
CO4	Analyze the appropriate implementation, monitoring and assessment procedures for training and Development.
CO5	Evaluate the different techniques and challenges involved in the performance appraisal.

Course Name: SKILL BASED III: ACCOUNTING SOFTWARE (TALLY) & E-COMMERCE
Course Code: 21UAIST508

CO1	Remember the basic technical concepts relating to E-Commerce.
CO2	Understand the business models and strategy of E-Commerce.
CO3	Apply the technological changes and strategies in E-Marketing.
CO4	Analyze and Interpret various terminologies of E-Payment in Electronic Commerce.
CO5	Evaluate the features available in Accounting Software.

Course Name: ADVANCED LEARNERS COURSE II : BRAND MANAGEMENT
Course Code: 21UAIAL509

CO1	Recall the basic concepts of branding and related terms.
CO2	Compare brand image building and brand positioning strategies.
CO3	Explain the brand rejuvenation and brand monitoring process.
CO4	Analyze the impact of brand, brand loyalty and brand audit.
CO5	Apply various strategies for brand building and monitoring.

Course Name: ADVANCED LEARNERS COURSE II : COMMERCIAL BANK MANAGEMENT
Course Code: 21UAIAL510

CO1	Remember the management principles in banks
CO2	Understand the various activities of commercial banks
CO3	Apply critical thinking skills to complex business problems by identifying and evaluating relevant issues and information.
CO4	Analyze and compare performance, make investment decisions, and provide a rationale for your decision.
CO5	Evaluate banking services and Foreign exchange Management

SEMESTER: V**Course Outcomes (CO): On completion of the course, students should be able to****Course Name: Core-XVIII Management Accounting****Course Code: 21UAICT601**

CO 1	Understand the basic concepts and tools of management accounting.
CO 2	Analyse the various types of ratios.
CO 3	Learn how to prepare funds flow Statement and Cash Flow Statement.
CO 4	Acquire Knowledge about the marginal costing.
CO 5	Familiarize with preparation of budget and budgetary control.

Course Name: CORE : XIX AUDITING**Course Code: 21UAICT602**

CO 1	Remember the nature and importance of auditing
CO 2	Understand the need for an internal audit and different types of audit evidence.
CO 3	Apply the various techniques for valuation of assets and liabilities
CO 4	Analyze the audit report and the duties, liabilities of an auditor
CO 5	Evaluate the various sources of EDP Systems in auditing

Course Name: CORE XX INDIRECT TAXES**Course Code: 21UAICT603**

CO 1	Remember the nature of taxation system in India.
CO 2	Evaluate the E-Way bills in an clear and lucid manner
CO 3	Understand the strength, threads, opportunities and challenges of GST
CO 4	Analyze the liabilities and input tax credit adjustments in filling GST returns
CO 5	Apply the GST law comprehensively in a concise manner

Course Name: ELECTIVE-II A.MARKETING OF INSURANCE PRODUCT**Course Code: 21UAIET604**

CO 1	Identify the introduction of insurance marketing.
CO 2	Grasp the buying patterns of insurance policies.
CO 3	Apply various portfolio techniques.
CO 4	Analyze the different channels of distribution.
CO 5	Evaluate the customer relationship

Course Name: ELECTIVE II B. FINANCIAL MANAGEMENT**Course Code: 21UAIET605**

	Understand the concept and methods of Financial Management
CO 2	Develop Knowledge into financial decision about Cost of Capital
CO 3	Analyze the Capital Structure and Leverage of the firm
CO 4	Evaluate the Techniques of Appraisal of investment proposal
CO 5	Analyze the Dividend Policy and Working Capital Management

Course Name: ELECTIVE-II C.RESEARCH METHODOLOGY**Course Code: 21UAIET606**

CO 1	Explain the Importance of Research, its Objectives, and Types of Research
CO 2	Illustrate the Research Process, Reporting, and Sampling
CO 3	Examine the Data Collection and Processing and Tools for Primary Data Collection.
CO 4	Formulate Hypothesis Testing and Testing Approaches
CO 5	Assesses Report Writing and Contents of Research Reports

Course Name: ELECTIVE III A.INFORMATION TECHNOLOGY IN BANKING AND INSURANCE**Course Code: 21UAIET607**

CO 1	Update students with the various technologies used in banking.
CO 2	Students will be aware of the Operation of E-Banking.
CO 3	Acquaint the basics of payments done using technology.
CO 4	Evaluate the insurance business environment in India.
CO 5	Understand the working of insurance companies.

Course Name: ELECTIVE III B.ADVERTISING AND SALES PROMOTION**Course Code: 21UAIET608**

CO 1	Remember the objectives and functions of advertising
CO 2	Understand the advantages of advertising
CO 3	Apply advertisement copy for the product
CO 4	Analyze the reasons for growth of Sales Promotion
CO 5	Evaluate the different kinds sales promotion

Course Name: ELECTIVE III C. PROJECT WORK

Course Code: 21UAIEV609

CO1	Enable the students to think beyond the boundaries of the class room.
CO2	Understand the techniques of identifying and defining the problem.
CO3	Analyse the various areas of research and able to select the appropriate one.
CO4	Apply the knowledge and skills throughout the project building process.
CO5	Evaluate the project for actual economic and social benefit.

Course Name: Skill Based Iv :Accounting Software (Tally) & E-Commerce Practical

Course Code: 21UAISP610

CO 1	Remember the basics of creating HTML documents.
CO 2	Understand the document formatting involved in web page design.
CO 3	Apply the procedure for handling images and tables in web page.
CO 4	Analyze the mechanism to develop the concept of basic and advanced formatting.
CO 5	Evaluate the concept of tally do possess required skill and work with well-known accounting software.

DEPARTMENT OF COMMERCE CA

SEMESTER: V

Course Outcomes (CO) : On the Completion of the course, students should be able to

COURSE: CORE PAPER XIV : CORPORATE ACCOUNTING

COURSE CODE: 21UAECT501

CO1	Remember the basic concepts of issue of shares and debentures
CO2	Understand the accounting treatment of redemption of preference shares.
CO3	Apply the rules in the preparation of final accounts of companies as per Companies Act 2013.
CO4	Analyze the methods in the valuation of shares and goodwill.
CO5	Evaluate the various methods of amalgamation.

COURSE: CORE PAPER XV: E-COMMERCE

COURSE CODE: 21UAECT502

CO1	Remember the Framework, goals and Objectives of E-Commerce.
CO2	Understand the concepts of E-Commerce.
CO3	Implement the various technologies for E-Business.
CO4	Analyze the Types of E-Payment systems.
CO5	Evaluate the various E-Security methods.

COURSE: CORE PAPER XVI: VISUAL BASIC.NET PROGRAMMING

COURSE CODE: 21UAECT503

CO1	Remember the Basic Concepts of .NET Programming.
CO2	Understand the various Controls and Control Statements.
CO3	Apply the array, procedures and functions.
CO4	Analyze the OOPS concepts in VB.NET.
CO5	Evaluate the Databases and Reports.

COURSE: CORE PAPER XVII: INCOME TAX LAW AND PRACTICE

COURSE CODE: 21UAECT504

CO1	Remember the various components of Income Tax Law.
CO2	Understand the Fundamental Concepts of Salary Income
CO3	Apply the Calculations of correct amount of Income Tax.
CO4	Analyze the simple fact situation and recognize the income tax notifications.
CO5	Evaluate critical thinking and problem solving skills.

COURSE: CORE PAPER XX: COMPUTER APPLICATIONS IN BUSINESS:

PRACTICALIII: (VB.NET)

COURSE CODE: 21UAECP603

CO1	Remember the Basics of VB.Net.
CO2	Understand the VB.Net Built-in functions.
CO3	Apply the properties of Vb.Net Controls.
CO4	Analyze the uses of VB.Net controls.
CO5	Evaluate database connectivity and report generation in VB.Net.

COURSE: ELECTIVE-I (A) PRINCIPLES OF AUDITING

COURSE CODE: 21UAEET505

CO1	Keep in mind the Principles of Auditing.
CO2	Understand the importance of Vouching.
CO3	Apply the methods of Valuation.
CO4	Analyze the modes of Appointment of Company Auditor.
CO5	Evaluate the basic considerations of Audit in EDP Environment.

COURSE: ELECTIVE-I (B) HUMAN RESOURCE MANAGEMENT**COURSE CODE: 21UAEET506**

CO1	Remember the functions performed by HR Manager.
CO2	Understand the concepts of HR Planning.
CO3	Apply the techniques of Recruitment.
CO4	Analyze the steps involved in Training and Development.
CO5	Evaluate the Employees Performance Appraisal.

COURSE: ELECTIVE-I (C) ENTREPRENEURIAL DEVELOPMENT**COURSE CODE: 21UAEET507**

CO1	Remember the role and functions of Entrepreneur.
CO2	Understand the growth of Entrepreneurship Development.
CO3	Apply the Various Entrepreneurship Development Programmes.
CO4	Analyze the Financial Lending Institutions.
CO5	Evaluate the Incentives and Subsidies provided for the Entrepreneur.

COURSE: SKILL BASED SUBJECT-III: BANKING AND INSURANCE**COURSE CODE: 21UAEST508**

CO1	Remember the Rights and Duties of Banker.
CO2	Understand the Procedure of issuance of cheque.
CO3	Apply the Concepts of Banking Technologies.
CO4	Analyze the importance of Insurance.
CO5	Evaluate the performance of various Insurance.

COURSE: ADVANCED LEARNERS COURSE III: STOCK MARKET OPERATIONS

COURSE CODE: 21UAEAL509

CO1	Explain the basic concept of securities market.
CO2	Practice trading on stock market.
CO3	Analyze the legal framework of securities market.
CO4	Explain different segment of Stock Exchange.
CO5	Perform demat trading.

COURSE: ADVANCED LEARNERS COURSE IV: SOFTWARE TESTING

COURSE CODE: 21UAEAL510

CO1	Remember the Phases of System Development Life Cycle.
CO2	Understand how to perform the Testing.
CO3	Apply the Various System Testing.
CO4	Analyze the Factors of Performance and Regression Testing.
CO5	Evaluate the Various Testing Methods.

DEPARTMENT OF COMMERCE CA

SEMESTER: VI

Course Outcomes (CO) : On the Completion of the course, students should be able to

COURSE: CORE PAPER XVIII: MIS AND MULTIMEDIA APPLICATIONS

COURSE CODE: 21UAECT601

CO1	Remember the concepts of MIS.
CO2	Understand the Fundamentals of Information.
CO3	Apply the various operations in Business.
CO4	Remember the Outline of Multimedia.
CO5	Apply the various presentation Tools.

COURSE: CORE PAPER XIX : INTERNET AND WEB DESIGNING

COURSE CODE: 21UAECT602

CO1	Basic concepts of Internet.
CO2	Understand the current trends and the Emailing system.
CO3	Apply the HTML basics in Web Designing.
CO4	Analyze the additional techniques in designing a webpage.
CO5	Evaluate the different types of Forms and style sheets.

**COURSE: CORE PAPER XX : COMPUTER APPLICATIONS IN BUSINESS: PRACTICAL - III
(HTML)**

COURSE CODE: 21UAECP603

CO1	Remember the Basics of HTML.
CO2	Understand the HTML tables.
CO3	Apply the properties of HTML tags to create a website.
CO4	Analyze the uses of HTML forms.
CO5	Evaluate the use of CSS in designing a web page.

COURSE: ELECTIVE PAPER II: (A) FINANCIAL MANAGEMENT

COURSE CODE: 21UAEET604

CO1	Remember the objectives and goals of financial management.
CO2	Understand the capital structure theories.
CO3	Apply the theories of cost of capital.
CO4	Analyze the capital budgeting process and techniques.
CO5	Evaluate the factors influencing the working capital management.

COURSE: ELECTIVE PAPER II: (B) BUSINESS ENVIRONMENT

COURSE CODE: 21UAEET605

CO1	Remember the concept of business and Environment.
CO2	Apply the economic policies and conditions.
CO3	Understand the legal environment of business.
CO4	Analyze the social Responsibility of business towards stakeholders.
CO5	Evaluate the role of Globalization

COURSE: ELECTIVE PAPER II: (C) BRAND MANAGEMENT

COURSE CODE: 21UAEET606

CO1	Remember the significance of Brands.
CO2	Understand the Brand Associations.
CO3	Apply the Brand Loyalty.
CO4	Analyze the Brand Performance over product lifecycle.
CO5	Evaluate the Branding strategies.

COURSE: ELECTIVE PAPER III: (A) INDIRECT TAXES**COURSE CODE: 21UAEET607**

CO1	Remember the basics of Indirect Tax.
CO2	Understand the Tax impacts of economic operations.
CO3	Apply the methodology of calculation of Indirect Tax.
CO4	Evaluate the knowledge to handle various Indirect Taxes.
CO5	Analyze different duties and regulations under Indirect Tax.

COURSE: ELECTIVE PAPER III: (B) INTERNATIONAL TRADE**COURSE CODE: 21UAEET608**

CO1	Remember the concepts of Global Trade.
CO2	Understand the terms and conditions of the International Trade.
CO3	Apply the various Import and Export Tariffs and Taxes.
CO4	Analyze the types of Foreign Investment.
CO5	Evaluate the importance of Globalization.

COURSE: ELECTIVE PAPER III: (C) PROJECT WORK**COURSE CODE: 21UAEEV609**

CO1	Keep in mind the recent trends in computer field.
CO2	Understand the techniques involved in software development for business.
CO3	Analyze the system requirements of the application/software.
CO4	Apply various tools in real time applications/software.
CO5	Verify the developed application with the customer.

COURSE: SKILL BASED SUBJECT – 4: CYBER SECURITY AND LAW**COURSE CODE: 21UAEST610**

CO1	Remember the concepts of cyberspace and threats.
CO2	Understand the techniques of IP address and Hackers tools.
CO3	Apply the values in making safe online Shopping.
CO4	Analyze the Various Laws in cyber crime.
CO5	Evaluate the methods involved in Investigation.



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**Programme:B.Com(CS CA)
2021-2022 AND ONWARDS**

UNDER CBCS PATTERN

COURSE OUTCOME

SEMESTER: V

Course Name: CORE-XIV :COSTACCOUNTING

Course Code: 21UAFCT501

CO 1	Remember the cost concepts and able to prepare cost sheets.
CO 2	Understand various levels and able to find out value of closing stock after Material issued.
CO 3	Apply the methods of labour turnover and system of wage payment.
CO 4	Analyse the allocation, apportionment and absorption methods.
CO 5	Evaluate the contract and process accounts.

Course Name: CORE XV : DIRECT TAXES

Course Code: 21UAFCT502

CO 1	Know the basic concepts of income and residential status
CO 2	Understand the provisions relating to salary income and house property income.
CO 3	Apply the provisions to evaluate business and professional income.
CO 4	Analyze the deductions under gross total income.
CO 5	Evaluate the aggregate income and tax liability of individual.

Course Name: CORE XVI- LABOUR LAW

Course Code: 21UAFCT503

CO 1	Familiarize with the provisions relating to Factories Act, 1948.
CO 2	Outline the important causes & impact of industrial disputes.
CO 3	Illustrate the provisions for Payment of Wages Act, 1936 and Payment of Bonus Act, 1965.
CO 4	Gain Knowledge on Distribution of Compensation.
CO 5	Summarize the important provisions in reference to Employees State Insurance Act 1948.

Course Name: CORE :XVII - CORPORATEFINANCE

Course Code: 21UAFCT504

CO 1	Acquire knowledge in corporate finance.
CO 2	Understand the principles of sound financial plan.
CO 3	Evaluate the concept of cost of capital.
CO 4	Familiarize with leverage and capital structure.
CO 5	Gain exposure on Management of cash, Inventories and Working Capital.

Course Name: ELECTIVE-I : VISUALBASIC (THEORY

Course Code: 21UAFCT505

CO 1	Understand the VB environment and create a new application.
CO 2	Apply various controls in VB forms.
CO 3	Gain knowledge on applications with menus.
CO 4	Analyse VB programs with control structures.
CO 5	Evaluate using VB general procedures and built-in VB functions.

Course Name: ELECTIVE-I: PLANNING & PROJECT MANAGEMENT

Course Code: 21UAFCT506

CO 1	Remember the role of a business plan in creating a new venture.
CO 2	Analyze the business policies of a firm.
CO 3	Understand the roles and responsibilities of a project manager.
CO 4	Apply the schedule and allocate resources to projects.
CO 5	Analyze the learning and understand techniques for Project planning, scheduling and Project Report.

Course Name: ELECTIVE-I: BUSINESS ETHICS AND CORPORATE SOCIAL RESPONSIBILITY

Course Code: 21UAFET507

CO 1	Understand the basic concepts and importance of business ethics.
CO 2	Sharpen their critical thinking related to professional ethics.
CO 3	Acquire knowledge on Ethical Dilemmas and Ethical Decision Making
CO 4	Be familiar with Corporate Social Responsibility and its global view
CO 5	Analyze the various CSR Policies

Course Name: SKILL BASED COURSE III: STOCK EXCHANGE MANAGEMENT

Course Code: 21UAFST508

CO 1	Understand the Functions and importance of Primary Market.
CO 2	Gain knowledge in Listing of Securities.
CO 3	Comprehend the knowledge about Trading system.
CO 4	Gain Knowledge on types of stock market indices.
CO 5	Summarize the important factors those affecting credit ratings.

SEMESTER –VI

Course Name: CORE-XVIII : MANAGEMENT ACCOUNTING

Course Code: 21UAFCT601

CO 1	Understand the basic concepts and tools of management accounting.
CO 2	Analyse the various types of ratios.
CO 3	Learn how to prepare funds flow Statement and Cash Flow Statement.
CO 4	Acquire Knowledge about the marginal costing.
CO 5	Familiarize with preparation of budget and budgetary control.

Course Name: CORE XIX - : GST AND CUSTOMS LAW
Course Code: 21UAFCT602

CO 1	Remember the nature of taxation system in India.
CO 2	Understand the strength, threads, opportunities and challenges of GST
CO 3	Apply the GST law comprehensively in a concise manner
CO 4	Analyze the liabilities and input tax credit adjustments in filling GST returns
CO 5	Evaluate the E-Way bills in an clear and lucid manner

Course Name: CORE XX - : ECONOMIC AND OTHER LEGISLATIONS
Course Code: 21UAFCT603

CO 1	Remember the concepts of Prevention of Money Laundering.
CO 2	Understand the provisions of Foreign Exchange Management Act.
CO 3	Evaluate and understand the provisions relating to Competition Act.
CO 4	Familiarize with Stamp Act provisions.
CO 5	Gain exposure on Transfer of Property Laws

Course Name: Elective-II: Computer Practical – III (Visual Basic and Digital Filing)

Course Code: 21UAFCT604

CO 1	Design and develop VB applications with format functions and mathematical logic.
CO 2	Develop VB program to calculate percentage and simple interest.
CO 3	Design a VB application to perform arithmetic operations and display advertisement.
CO 4	Prepare document under companies Act 2013 on various scenarios.
CO 5	Prepare e forms under companies Act 2013 on various scenarios.

Course Name: ELECTIVE-II: EXECUTIVE BUSINESS COMMUNICATION
Course Code: 21UAFCT605

CO 1	To Recall the basics of business communication
CO 2	To demonstrate his/her ability to write error free while making an optimum use of correct Business Vocabulary & Grammar.
CO 3	To draft effective business correspondence with brevity and clarity.
CO 4	To stimulate their Critical thinking by designing and developing clean and lucidwriting skills.
CO 5	To acquire knowledge about various forms of communication.

Course Name: ELECTIVE-II: CORPORATE GOVERNANCE
Course Code: 21UAFET606

CO 1	To understand the Codes and Standards of Corporate Governance.
CO 2	To understand legal and Regulatory Frame Work in Corporate governance.
CO 3	To provide thorough knowledge of the global trends and developments so as to have an integrated view of the entire framework for corporate governance
CO 4	To provide expert knowledge on the functioning of Board Committees
CO 5	To understand the Role of Professionals in Board Committees

Course Name: ELECTIVE III : INTERNET AND E- COMMERCE

Course Code: 21UAFET608

CO 1	Remember the word processing terminology and concepts.
CO 2	Understand the format of Internet addressing.
CO 3	Apply the mechanism of Electronic commerce technologies.
CO 4	Analyze the several functions of EDI and to build appropriate function suitable for evaluating the data.
CO 5	Evaluate the system analysis and design.

Course Name: Elective-III DRAFTING AND CONVEYANCE

Course Code: 21UAFET609

CO 1	Understand the purpose of Drafting and Conveyances.
CO 2	Analyse the various types of deeds and documents.
CO 3	Evaluate the drafting of mortgage deed.
CO 4	Remember the deeds related to business.
CO 5	Apply the knowledge acquired and preparation of MOA and AOA.

Course Name: SKILL BASED – IV: SECRETARIAL AUDIT

Course Code: 21UAFST610

CO 1	To understand the basic concepts of Secretarial Audit.
CO 2	Acquire the Knowledge about Internal Audit and Performance Audit.
CO 3	To understand the Auditing standard on Audit engagement.
CO 4	To provide knowledge about Audit Process and Documentation.
CO 5	To understand the Professional Responsibilities and Penalties.

Course Name: ALC: Entrepreneurship and Small Business Management
Course Code: 21UAFAL509

CO 1	Understand the Concept of entrepreneur.
CO 2	Gain knowledge in theories of motivation and entrepreneurial behavior.
CO 3	Understand the vital role of women entrepreneur for rural development.
CO 4	Acquire knowledge on the concept of small scale industries.
CO 5	Familiar with Project Formulation and Project Feasibility

Course Name: ALC: ALC INDIAN CONSTITUTION
Course Code: 21UAFAL510

CO 1	To Understand the Fundamental Rights and Fundamental Duties of the Indian Citizen .
CO 2	Acquire the Knowledge about Union and State Government Administration.
CO 3	Understand distribution of powers and functions of Local Self Government.
CO 4	Familiarize with Role and Importance of District's Administration head.
CO 5	To learn procedure and effects of emergency, composition and activities of election commission and amendment procedure



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**Programme:B.Com(PA)
2021-2022 AND ONWARDS**

UNDER CBCS PATTERN

COURSE OUTCOME

SEMESTER:V

Course Name: Cost Accounting

Course Code: 21UAGCT501

CO 1	Remember the cost concepts and able to prepare cost sheets.
CO 2	<i>Understand various levels and able to find out value of closing stock after Material issued.</i>
CO 3	Apply the methods of labour turnover and system of wage payment.
CO 4	Analyse the allocation, apportionment and absorption methods.
CO 5	Evaluate the contract and process accounts.

Course Name: CORE-XV : Direct Taxes

Course Code: 21UAGCT502

CO 1	Know the basic concepts of income and residential status
CO 2	Understand the provisions relating to salary income and house property income.
CO 3	Apply the provisions to evaluate business and professional income.
CO 4	Analyze the deductions under gross total income.
CO 5	Evaluate the aggregate income and tax liability of individual.

Course Name: CORE-XVI: Information System Control And Audit
Course Code: 21UAGCT503

CO 1	Understand the mechanism of management information system.
CO 2	Evaluate the process of System Development Life Cycle.
CO 3	Gain knowledge about IS Auditor and process.
CO 4	Acquire knowledge in IRDA and its function.
CO 5	Evaluate the system of Emerging Technologies.

Course Name: CORE-XVII: Human Resource Management
Course Code: 21UAGCT504

CO 1	Understand the functions of Human Resource Management.
CO 2	Familiar with the importance of Human Resource Planning and Techniques.
CO 3	Acquire knowledge on Recruitment and Selection process.
CO 4	Expose on placement and Induction Programme.
CO 5	Acquire knowledge about the incentive plan and welfare of Employees.

Course Name: ELECTIVEI: Investment Management
Course Code: 21UAGET505

CO 1	To Gain knowledge about investments.
CO 2	Familiarize with various risk and returns of investments
CO 3	Enrich their knowledge of investment alternatives
CO 4	Acquire knowledge about Investment Company, venture capital and merchant banking.
CO 5	Familiarize with various financial derivatives.

Course Name: ELECTIVEI: International Business
Course Code: 21UAGET506

CO 1	Understand the concepts of international business.
CO 2	Know about WTO that regulates international trade.
CO 3	Acquire knowledge about the policies and theories of foreign trade.
CO 4	Evaluate the implications of international strategic management.
CO 5	Gain knowledge on International financial management.

ELECTIVE I: Strategic management
Course Code: 21UAGET507

CO 1	Comprehend the knowledge about benefits of Strategic management.
CO 2	Acquire knowledge about SWOT Analysis & Porter's five force.
CO 3	Understand the basic concepts and Choice of strategy.
CO 4	Demonstrate the role of top management process and explain the key elements of a four routes of competitive advantages.
CO 5	Demonstrate the strategic evaluation of quantitative and qualitative factors and process.

Course Name: Skill Based Course III: New Venture Planning
Course Code: 21UAGET509

CO 1	Understand the basic concepts of entrepreneurship and related initiatives.
CO 2	Gain the exposure on setting up of startups.
CO 3	Familiarize with the elements of project formulation.
CO 4	Gain knowledge about various financial supports available to the entrepreneurs.
CO 5	Comprehend the knowledge about various subsidies and incentives available for entrepreneurs.

Course Name: CORE-XVIII : Management Accounting
Course Code:

CO 1	Understand the basic concepts and tools of management accounting.
CO 2	Analyse the various types of ratios.
CO 3	Learn how to prepare funds flow statement and cash flow statement.
CO 4	Acquire Knowledge about the marginal costing.
CO 5	Familiarize with preparation of budget and budgetary control.

Course Name: CORE-XIX: GST AND CUSTOMS LAW
Course Code:

CO 1	Remember the nature of taxation system in India.
CO 2	Understand the strength, threads, opportunities and challenges of GST
CO 3	Apply the GST law comprehensively in a concise manner
CO 4	Analyze the liabilities and input tax credit adjustments in filling GST returns
CO 5	Evaluate the E-Way bills in an clear and lucid manner

Course Name: CORE-XX: BUSINESS FINANCE
Course Code: 21UAGCT603

CO 1	Outline various concepts relating to business finance
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CO 2	List the various techniques of financial planning
CO 3	Analyze the sources and forms of finance
CO 4	Enrich their knowledge in capital market and their components
CO 5	Familiarize with capitalization and related theories

Course Name: ELECTIVE-II Computer Practical –Iii (E - Filing
Course Code: 21UAGCT604

CO 1	Explore the basic features of e-filing
CO 2	Identify the forms to be filed with Registrar of Companies.
CO 3	Familiar about the filing of financial statements and reports.
CO 4	Understand the frame work of CSR activities and its filing methods.
CO 5	Describe the ITR forms and the system of filing.

Course Name: ELECTIVE -II Security Analysis And Portfolio Management
Course Code: 21UAGCT605

CO 1	Understand the basic concept of securities market and avenues on investment.
CO 2	Gain knowledge of basic concepts and methods.
CO 3	Remember the techniques of analysis.
CO 4	Evaluate the process of portfolio management.
CO 5	Gain exposure on portfolio revision.

Course Name: ELECTIVE -II Logistics Management

Course Code: 21UAGCT606

CO 1	Remember the overview and role of logistics.
CO 2	<i>Understand the concept of containers and its types.</i>
CO 3	Apply Liner Consortium agreements.
CO 4	Analyze about air cargo business.
CO 5	Evaluate the trends and technology in logistics.

Course Name: ELECTIVE –III Cyber Law

Course Code: 21UAGCT608

CO 1	Remember the basic provisions of law in E Commerce.
CO 2	Understand the legal provisions relating to Data Security.
CO 3	Analyze the procedures of The Indian Evidence Act.
CO 4	Apply the various kinds of EDI Mechanism.
CO 5	Evaluate the process of e-governance and its authentication.

Course Name: ELECTIVE –III Supply Chain Management

Course Code: 21UAGCT609

CO 1	Define the Supply Chain Management and inventory management
CO 2	Explain the Supply chain Integrates and its impact on grocery and retail industry
CO 3	Identify the Frame work of Strategic Alliances and its merits and demerits
CO 4	Outline the Procurement and Outsourcing benefits and risks related with framework for make or buy decision and e-procurement
CO 5	Assess the dimension of customer Value and its measures.

Course Name: ELECTIVE –III SKILL BASED COURSE IV :Corporate Compliance Management

Course Code: 21UAGCT611

CO 1	Understand the applicable laws ,rules and regulations
CO 2	Comprehend the knowledge about Corporate Compliance Management

CO 3	Understand the advantages and disadvantages of Electronic records
CO 4	Analyze the search report under the Companies Act 2013
CO 5	Evaluate the Concept of Pre-certification

Course Name: ADVANCED LEARNERS COURSE II: E-Banking And Business Models
Course Code: 21UAGAL509

CO 1	Acquire knowledge in e-banking.
CO 2	Understand the Electronic delivery channels and products.
CO 3	Understand the Banking Technology.
CO 4	Familiarize with Dematerialization and Electronic Bill Payment.
CO 5	Gain exposure on e-Banking business models.

Course Name: ADVANCED LEARNERS COURSE II International Marketing
Course Code: 21UAGAL510

CO 1	Relate International marketing strategy & corporate strategy with local and national marketing strategy
CO 2	Identify the options in adopting a global standardized action as opposed to a locally responsive action in international marketing and relate these to the overall corporate strategy of companies
CO 3	Analyze various product-related decisions in a global context and make rational decisions
CO 4	Evaluate various marketing communication plans for organizations operating in a global context
CO 5	Apply selected international business theory to practical, international marketing situations.

**KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Nanjanapuram, Erode - 638 107

DEPARTMENT OF BUSINESS ADMINISTRATION

Programme: BBA

SEMESTER: V

Course Name: CORE-XIV: RESEARCH METHODOLOGY

Course Code: 21UABCT501

CO1	Apply a range of quantitative and qualitative research techniques to business and management problems.
CO2	Develop the research design based on the problems..
CO3	Understand the techniques in sampling.
CO4	Identify the data collection tools in business research.
CO5	Demonstrate knowledge and understanding of data analysis and interpretation in relation to the research process.

Course Name: CORE-XV: INTERNATIONAL BUSINESS

Course Code: 21UABCT502

CO1	Enable the students to understand the various modes of entering global market.
CO2	Impart the learners about various environment and WTO agreements.
CO3	Equip the students to know the financial support for international business.
CO4	Learn the international promotion strategies and marketing communication.
CO5	Acquire knowledge of the obstacles and impacts of globalization.

Course Name: CORE-XVI: LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Course Code: 21UABCT503

CO1	Understand the concepts and components of Supply Chain Management.
CO2	Analyse customer focus in Supply Chain Management and evaluate the purchase performance.
CO3	Apply material handling system in store keeping and space management.
CO4	Evaluate the role of logistics in Supply Chain Management and customer service.
CO5	Create and implement the required information technology in Supply Chain Management.

Course Name: CORE-XVII: COST AND MANAGEMENT ACCOUNTING

Course Code: 21UABCT504

CO1	Understand about the Cost Concepts and its importance.
CO2	Prepare Cost Sheet for the organization.
CO3	Learn about the Material control and Pricing of Store ledger.
CO4	Ascertain the financial position of the company by Ratio Analysis.
CO5	Analyse the Cash and Fund Flows in an organization.

Course Name: ELECTIVE COURSE –I: PROMOTION MANAGEMENT**Course Code: 21UABET505**

C01	Identify advertising mediums, both traditional, new and experimental.
C02	Understand the function of advertising agencies.
C03	Understand the principles of advertising layout and campaign.
C04	Apply various sales promotion strategies and techniques.
C05	Develop skills in sales promotion and public relation.

Course Name: ELECTIVE COURSE –I: HUMAN RESOURCE DEVELOPMENT**Course Code: 21UABET506**

C01	Analyze the conceptual foundations of human resource development.
C02	Assess the training and development process in the organization.
C03	Evaluate the performance of human resource and develop suitable training and development.
C04	Apply the Career development principles in relation to the work force objectives
C05	Develop effectiveness of organization policy and organizational culture.

Course Name: ELECTIVE COURSE –I: FINANCIAL SERVICES**Course Code: 21UABET507**

C01	Help the students to appreciate and understand how merchant banking and NBFC operate.
C02	Able to understand the concepts of hire purchase and leasing.
C03	Students have learned the basic functions and performance of mutual funds.
C04	Gain knowledge about mutual funds, venture capital and other financial services.
C05	Gain practical knowledge on merger and acquisitions.

**Course Name: SKILL BASED SUBJECT – III: MANAGERIAL SKILL DEVELOPMENT –
VIVA-VOCE****Course Code: 21UABSV508**

C01	Identify and reflect the personal characteristics of students that helps them achieve and expand their objectives within the workplace.
C02	Understand the importance of time management and exhibit self-management by setting reasonable boundaries.
C03	Equip to understand and influence the decision-making processes of other individuals and groups.
C04	Enhance creativity, confidence, teamwork, and problem-solving skill.
C05	Understand the key practical and theoretical concepts of managing and resolving conflicts.

Course Name: ADVANCED LEARNERS COURSE-II: BRAND MANAGEMENT

Course Code: 21UABAL509

C01	Understands brand equity & assess the equity of a brand by applying brand equity models.
C02	Examine brand identity and positioning strategy by applying brand identity & positioning guidelines/templates/mode.
C03	Develop a comprehensive go to market strategy for a brand.
C04	Evaluate various architecture types & examine brand extension strategies for success.
C05	Conduct brand audit & demonstrate knowledge of brand valuation and methods.

Course Name: ADVANCED LEARNERS COURSE-II – CUSTOMER RELATIONSHIP MANAGEMENT

Course Code: 21UABAL510

C01	Understand the basics of Customer Relationship Management.
C02	Know the values of relationship marketing.
C03	Learn the Sales force automation and life cycle of customer.
C04	Gain knowledge in marketing strategies in CRM.
C05	Identify the importance of E-CRM in business.

SEMESTER: VI

Course Name: CORE-XVIII: ENTREPRENEURSHIP DEVELOPMENT

Course Code: 21UABCT601

C01	Analyze the knowledge about entrepreneurship.
C02	Identify the institutional support to entrepreneurs.
C03	Learn the concept of the various sources of funds for starting a new ventures.
C04	Understand the entrepreneur growth and equip with different entrepreneurial development.
C05	Analyze the concept of entrepreneurial sustainability.

Course Name: CORE-XX: CORPORATE PLANNING AND STRATEGIC MANAGEMENT

Course Code: 21UABCT603

C01	Impart conceptual knowledge on strategies, process and management of strategies.
C02	Lay the basics of environmental appraisal through environmental, industry and competitive analysis.
C03	Develop strategies and action plan to achieve an organization and action plans to achieve an organization's vision, mission and goals.
C04	Provide various approaches and strategies for implementation.
C05	Evaluate and revise strategic management process in order to achieve organizational goals.

Course Name: ELECTIVE COURSE –II: ENTREPRENEURIAL MARKETING

Course Code: 21UABET604

CO1	Develop mission statement with the essence of marketing concepts as they apply to small and new ventures
CO2	Prepare a basic marketing plan for an existing or proposed entrepreneurial venture.
CO3	Develop skills in analyzing to progress in marketing by applying various strategies and methods in business by an entrepreneur.
CO4	Solve the problem of “newness” as they develop the pricing and distributing plan according to the dynamics of market.
CO5	Establish a strong customer relationship in business with the use of appropriate technology.

Course Name: ELECTIVE COURSE –II: INDUSTRIAL RELATIONS AND LABOUR LAW

Course Code: 21UABET605

CO1	Learners will understand the disputes and settlement procedure in industry.
CO2	Students can gain the knowledge about workers participation related to managerial functions.
CO3	Enable to measure the productivity of the labour.
CO4	Learners can understand the factories act and provident fund act.
CO5	Able to identify the laws related to the welfare of the employees.

Course Name: ELECTIVE COURSE –II: EQUITY RESEARCH AND PORTFOLIO MANAGEMENT

Course Code: 21UABET606

CO1	Understand the fundamentals of investment media and security act.
CO2	Equip the learners with required skills to know the investment instruments.
CO3	Gain knowledge to analyze the industry.
CO4	Acquire knowledge about the techniques in company analysis.
CO5	Enable the students to understand the portfolio management.

Course Name: ELECTIVE COURSE –III: DIGITAL MARKETING

Course Code: 21UABET607

CO1	Understanding digital marketing in the development of the business firms.
CO2	Analyzing different types display advertisement and its metrics to the improvement in sales of the business firm.
CO3	Understanding SEO concepts resulted into gain knowledge about SEO.
CO4	Applying innovative idea to attract the customer through social media advertisements.
CO5	Assess social media analytics in business.

Course Name: ELECTIVE COURSE –III: ORGANIZATIONAL DEVELOPMENT

Course Code: 21UABET608

CO1	Understand and analyze the different approaches in organizational development.
CO2	Appreciate the contextual understanding relevant to organizational environment.
CO3	Evaluate the theoretical and practical links between developmental models in organization.
CO4	Analyze the contribution of behavioral social science with respect to change and development.
CO5	Examine the ways of effective intervention strategies in improving organizational effectiveness.

Course Name: ELECTIVE COURSE –III: INTERNATIONAL FINANCIAL MANAGEMENT

Course Code: 21UABET609

CO1	Develop skills in the Concept of International Financial Management.
CO2	Discuss the Concept of International Financial Markets
CO3	Identify with the Concept of International Financial Institutions.
CO4	Recognize the concept of International Financial Instruments
CO5	Assess multinational corporate decisions in Global Markets

Course Name: SKILL BASED SUBJECT – IV: CAMPUS TO CORPORATE – VIVA-VOCE

Course Code: 21UABSV610

CO1	To explain the characteristics of a company and types of companies in India.
CO2	To compile a CV and resume in a most appropriate manner to gain employment
CO3	To predict the characters tested in GD and skills required in GD.
CO4	To outline good manners, social manners, and professional manners, modern etiquettes and classification of etiquettes.
CO5	To evaluate the different types of interview and how to present oneself for Interview.

KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS),

NANJANAPURAM, ERODE –638 107

DEPARTMENT OF BUSINESS ADMINISTRATION (COMPUTER APPLICATIONS)

BBA (CA)

SEMESTER: V

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: Core XIII: HUMAN RESOURCE MANAGEMENT

Course Code: 21UACCT501

CO1	An understanding of the HRM functions and its relation to other organizational functions.
CO2	Showing how important functions such as human resource planning, job analysis, recruitment, selection, training, managerial development and performance appraisal can be utilized in attaining organizational goals.
CO3	Acquire knowledge about to develop a competitive advantage by using its human resources.
CO4	Enable the students to gain knowledge upon various techniques in HRM that contribute to the overall effectiveness of an organization.
CO5	Develop the student's knowledge in latest trends in human resources management in an organization.

Course Name: Core XIV: RESEARCHMETHODOLOGY

Course Code: 21UACCT502

CO1	Knowledge of concept and fundamentals for different types of research.
CO2	Understanding relevant scaling, measurement and sampling techniques.
CO3	Understanding the various types of data collection.
CO4	Evaluating statistical analysis which includes various parametric test, non - parametric test. Formulate a research design for a given problem through hypothesis building.
CO5	Understand the importance and procedure to be followed in research report writing and presentation.

Course Name: Core XV: INTERNATIONAL BUSINESS

Course Code: 21UACCT503

CO1	Understand the various modes of entering global markets.
CO2	Impart the various business environment and WTO agreements.
CO3	Analyze the types of international investment.
CO4	Classify the types of international promotion-strategies.
CO5	Know the impact and implications of globalization.

Course Name: CORE XVI: VISUAL BASIC THEORY

Course Code: 21UACCT504

CO1	Understand the fundamentals of Visual Basic.
CO2	Impart the learners of Visual Basic control tools.
CO3	Apply loop structures to perform repetitive tasks.
CO4	Write procedures and do debugging and error handling.
CO5	Acquire knowledge in Arrays.

Course Name: Core XVII: VISUAL BASIC-PRACTICAL

Course Code: 21UACCP505

CO1	Learn visual programming basics and its components.
CO2	Familiar with control tools.
CO3	Demonstrate the use of branching looping and menu editors.
CO4	Design, implement, test, debug and document programs and procedures.
CO5	Identify, design and develop user interfaces using array.

Course Name: Elective I: CONSUMER BEHAVIOUR

Course Code: 21UACET506

CO1	Able to identify the dynamics of consumer behavior.
CO2	Understand the basic factors that influence the consumer's decision process.
CO3	Acquire the knowledge in behavioral theories.
CO4	Identify the consumers on the basis of socio-economic nature.
CO5	Develop the knowledge related to consumer decision-making.

Course Name: Elective II: INDUSTRY RELATIONS AND LABOUR LAW

Course Code: 21UACET507

CO1	Develop an understanding on industrial relation and employee grievances.
CO2	Categorize the principles and types of collective bargaining.
CO3	Analyse the provisions of Factories Act and EPF Act.
CO4	Analyse the provisions of Payment of Wages and ESI Act
CO5	Know the application of Industrial Dispute Act 1947 and the Employee's State Insurance Act, 1948.

Course Name: Elective II: FINANCIAL SERVICES

Course Code: 21UACET508

CO1	Enable the students to understand the operations of merchant banking and NBFC.
CO2	Critically evaluate the hire purchase and leasing.
CO3	Learn the basic functions and performance of mutual funds.
CO4	Gain knowledge about the various financial services.
CO5	Gain practical knowledge on merger and acquisitions.

**Course Name: Skill Based Subject -III: MANAGERIAL DEVELOPMENT SKILLS–
VIVA VOCE**

Course Code: 21UACSV509

CO1	Acquire the effective managerial skills.
CO2	Gain knowledge related to problem solving and creativity.
CO3	Understand the way of building relationship with co-workers.
CO4	Able to develop and lead the team.
CO5	Understand the concept of empowerment.

Course Name: Advanced Learners Course-II: DISASTER MANAGEMENT

Course Code: 21UACSV510

CO1	Understand the basics for disaster.
CO2	Identify the various types of natural disasters.
CO3	Know the various types of man-made disasters.
CO4	Learn the concept of disaster management.
CO5	Develop in depth knowledge in disaster management in India.

Course Name: Advanced Learners Course-II: EVENT MANAGEMENT

Course Code: 21UACSV511

CO1	Impart the concept of event management with recent trends and challenges.
CO2	Analyze the process of event management.
CO3	Enable to create an event budget.
CO4	Able to target the event market.
CO5	Know to place the right person to influence the market.

SEMESTER: VI

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: Core XVIII: ENTREPRENEURSHIP AND PROJECT MANAGEMENT

Course Code: 21UACCT601

CO1	Gain the knowledge about entrepreneur.
CO2	Identify the entrepreneurship development programmes.
CO3	Learn the categories of project.
CO4	Analyze the project formulation.
CO5	Know the various sources of project finance.

Course Name: CORE XIX: MULTIMEDIA

Course Code: 21UACCT602

CO1	Understand the elements of multimedia production and text.
CO2	Basic concepts and uses of images.
CO3	Describe the principles and technical details of audio.
CO4	Be familiar with the video and able to use video file formats.
CO5	Explores the skill set associated with animation.

Course Name: CORE XX: PHOTOSHOP – PRACTICAL

Course Code: 21UACCT603

CO1	Understand the basic tools of Photoshop.
CO2	Develop their skills in editing and altering the photographs.
CO3	Apply advanced techniques of Photoshop.
CO4	Understanding the uses of layering technique.
CO5	Practice their skills in design and art work.

Course Name: Elective II: EQUITY RESEARCH AND PORTFOLIO MANAGEMENT

Course Code: 21UACET604

CO1	Enable the students to understand the fundamentals of investment media.
CO2	Equip with required skills to know the investment instruments.
CO3	Gain knowledge on the stock market.
CO4	Acquire knowledge about security analysis.
CO5	Enable the students to understand the portfolio management.

Course Name: Elective II: SERVICES MARKETING

Course Code: 21UACET605

CO1	To understand the basic components of service.
CO2	Identify the employees and customers role in services delivery
CO3	Interpret service quality scale and measurement models.
CO4	Categorize the kinds of services offered by the service organizations.
CO5	Identify the kinds of services offered by the service organizations.

Course Name: Elective II: STRATEGIC MANAGEMENT

Course Code: 21UACET606

CO1	Able to understand the importance of strategic management.
CO2	Understand the concepts, tools and techniques used by executives in developing and executing strategies of strategy formulation.
CO3	Acquire the knowledge in choosing the strategy.
CO4	Able to develop their capacity to think and execute strategically.
CO5	Develop the knowledge in evaluating the strategy.

Course Name: Elective III: INSURANCE PRINCIPLES AND PRACTICE

Course Code: 21UACET607

CO1	Identify and evaluate the processes, concepts and principles of insurance to better understand the insurance environment.
CO2	Equip required skills to know the life insurance policy and role of insurance agent.
CO3	Gain knowledge on general insurance.
CO4	Acquire knowledge about health, fire and marine insurance.
CO5	Understand the role of miscellaneous coverages.

Course Name: Elective III:M-COMMERCE

Course Code: 21UACET608

CO1	Understand the fundamental principles of e-commerce.
CO2	Understand the ways of m-commerce business.
CO3	Understand the impact of information and communication technologies on business.
CO4	Understand the tools and services used by virtual m-commerce sites.
CO5	Understand the B2B services in m-commerce.

Course Name: Skill Based Subject - IV: CAMPUS TO CORPORATE– VIVA VOCE

Course Code: 21UACSV610

CO1	Understand the students for various types of etiquette.
CO2	Learn to dressing at corporate level.
CO3	Enable the students for different sources of e-communication.
CO4	Enable the students for learn quantitative and qualitative aptitude.
CO5	Develop the positive attitude towards individual.

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DEPARTMENT OF COMPUTER SCIENCE (UG)

SEMESTER V

Course Name: CORE X: COMPUTER NETWORKS

Course Code: 21UAKCT501

CO1	Understand the basic Networking concepts and Reference Models.
CO2	Identify different types of Transmission Media for Networking.
CO3	Analyze Data link layer Protocols and Medium Access Control Sub layer.
CO4	Compare different types of Routing Algorithms and Congestion Control Algorithms.
CO5	Acquire knowledge on Application layer and use of Network Security.

Course Name: CORE XI: VISUAL BASIC AND VB.NET

Course Code: 21UAKCT502

CO1	Illustrate the functions of Visual Basic Environment and its Fundamentals.
CO2	Classify and explain the different VB controls.
CO3	Examine about Procedures, Arrays and Files.
CO4	Analyze various Operators and Controls in VB.Net.
CO5	Inspect the operations of files in VB.Net.

Course Name: CORE XII: RELATIONAL DATABASE MANAGEMENT SYSTEM

Course Code: 21UAKCT503

CO1	Recognize the database systems concept
CO2	Understand the basics of SQL and construct queries
CO3	Demonstrate Data Management and Retrieval using SQL
CO4	Understand the concept of PL/SQL
CO5	Evaluate the source code of procedures, functions and triggers

**Course Name: CORE PRACTICAL V: PROGRAMMING LAB – VISUAL BASIC,
VB.NET AND ORACLE**

Course Code: 21UAKCP504

CO1	Demonstrate VB project using a common dialog control and DBGrid control.
CO2	Develop a VB project by using the front end, back end and report generation.
CO3	Build the VB.NET programs using Console and Windows application.
CO4	Examine the Oracle Programs with various queries.
CO5	Analyze the PL/SQL programs using Cursor and Trigger Concepts.

Course Name: COMPUTER GRAPHICS**Course Code: 21UAKET505**

CO1	Recognize the basic concepts of graphics systems.
CO2	Classify the various algorithms for scan conversion and filling of basic objects.
CO3	Analyze Data link layer Protocols and Medium Access Control Sub layer.
CO4	Explain the different clipping operations and 3D concepts.
CO5	Summarize the concepts of visible surface detection techniques.

Course Name: CLOUD COMPUTING**Course Code: 21UAKET506**

CO1	Illustrate the concepts of other computing technologies and the changes in Cloud.
CO2	Summarize the nature of cloud services and deployment models.
CO3	Apply the ideas of cloud use cases, service management and cloud orchestration.
CO4	Analyze the Cloud Computing and Virtualization.
CO5	Examine the working nature in various perspectives of cloud service participants.

Course Name: SKILL BASED PRACTICAL III: NETWORKING LAB**Course Code: 21UAKSP508**

CO1	Understand the practical approach to network communication protocols.
CO2	Understand network layers, structure/format and role of each network layer.
CO3	Able to design and implement various network application such as data transmission between client and server.
CO4	Design and implement various network application such as file transfer, real-time multimedia transmission.
CO5	Understand the various Routing Protocols/Algorithms and Internetworking.

SEMESTER VI**Course Name: Core XIII: INTERNET OF THINGS (IoT)****Course Code : 21UAKCT601**

CO1	Clarify the vision of IoT.
CO2	Determine the Market perspective of IoT.
CO3	Classify the use of Devices, Gateways and Data Management in IoT.
CO4	Enumerate about the basic concepts of Python.
CO5	Create and execute Python programs through IoT Devices.

Course Name: CORE PRACTICAL VI:INTERNET OF THINGS (IOT) LAB
Course Code : 21UAKCP602

CO1	Explain the fundamental elements of Internet of Things.
CO2	Construct IoT systems using Raspberry Pi, Arduino Tools.
CO3	Build real world IoT systems.
CO4	Build interfaces for IoT applications.
CO5	Analyze the societal impact of IoT security events.

Course Name: ELECTIVE II: WEB TECHNOLOGY
Course Code: 21UAKET603

CO1	Recall different Internet protocols and basics of E-Commerce.
CO2	Develop a website and enhance using plug-in.
CO3	Handle a dynamic webpage by the use of ASP and DHTML.
CO4	Paraphrase Life cycle and Architecture Active Web Pages.
CO5	Summarize the Basics of XML and WAP technology.

Course Name: ELECTIVE II: MOBILE COMPUTING
Course Code: 21UAKET604

CO1	Recognize the basic principles of mobile computing technologies.
CO2	Classify different types of mobile telecommunication systems.
CO3	Acquire knowledge about wireless networking concepts and internet protocols.
CO4	Describe the basic concepts of global System for Mobile Communications, SMS and GPRS.
CO5	Explain the principles, concepts and operations of satellite systems.

Course Name: ELECTIVE III: ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS
Course Code: 21UAKET606

CO1	Recognize the problem domains of Artificial Intelligence.
CO2	Classify the search techniques for solving AI problems.
CO3	Apply the knowledge representation approaches for building knowledge base.
CO4	Design knowledge base using predicate logic and rules.
CO5	Build Expert System Models for the given AI problem.

Course Name: ELECTIVE III: DATA MINING
Course Code: 21UAKET607

CO1	Identify the Basic Tasks and the Social Implications of Data Mining.
CO2	Discuss the Data Mining techniques and Genetic Algorithms.
CO3	Compare the Classification and Rule Based Algorithms.
CO4	Observe the concepts and algorithms of Clustering.
CO5	Identify the concepts of Web Content Mining and Web Usage Mining.

Course Name: SKILL BASED PRACTICAL IV: PHP PROGRAMMING LAB
Course Code: 21UAKSP610

CO1	Create basic php scripts.
CO2	Develop a program using control statement.
CO3	Use basic php syntax for variable types and calculations.
CO4	Create a dynamic webpages.
CO5	Perform database operations in PHP.

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DEPARTMENT OF COMPUTER APPLICATIONS

Programme Outcomes for UG Programme: B.C.A.

At the end of the programme, students will be able to

PO Number	PO Statement
PO1	Critical Thinking: 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.
PO2	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in any one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
PO3	Social Interaction: Elicit views of others, mediate disagreements and help to reach conclusions in group settings.
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issue and participate in civic life through volunteering.
PO5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO6	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO7	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.

Programme Specific Outcomes:

At the end of the programme, students will be equipped with the Knowledge of

PSO Number	PSO Statement
PSO1	Apply mathematical, computing and domain knowledge for the conceptualization of computing models to provide solutions.
PSO2	Appraise, analyze and develop software products of varying complexity in diverse domains of computer applications.
PSO3	Apply the acquired knowledge to thrive for a better career or higher studies.
PSO4	Experiment with the challenges of changing trends and opportunities emerging in local and global industries.
PSO5	Apply and entrust ethics and cyber regulations in their career and professional practice.

SEMESTER: V

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: Core X: SOFTWARE ENGINEERING

Course Code: 21UAJCT501

CO1	Know the Needs of software and use of various Process Models.
CO2	Apply the Process Models for the software development.
CO3	Know the Practices in software engineering process and requirement engineering.
CO4	Understand design Engineering process in software development.
CO5	Know various types of Software testing and its procedures.

Course Name: Core XI: RELATIONAL DATABASE MANAGEMENT SYSTEMS

Course Code: 21UAJCT502

CO1	Identify, understand and apply the concepts of DBMS and RDBMS.
CO2	Create the DDL statements for ORACLE.
CO3	Create the DML statements for ORACLE.
CO4	Apply the SQL statements for Database Management.
CO5	Create PL/SQL query for the database access.

Course Name: Core XII: PHP & MYSQL

Course Code: 21UAJCT503

CO1	Create simple programs with control structures and looping.
CO2	Design a PHP Script using functions, arrays and object oriented programming.
CO3	Develop a user registration page with client and server side validations.
CO4	Design a dynamic web page with session and cookies.
CO5	Develop a PHP application to implement Database connectivity with MYSQL.

Course Name: Core Practical V: RDBMS Programming

Course Code: 21UAJCP504

CO1	Build the Database using RDBMS Concepts for stand-alone applications.
CO2	Develop the DDL and DML Queries.
CO3	Apply the concept of sorting and joins.
CO4	Write the PL/SQL Blocks for the Database.
CO5	Implement the Exception Handling and Triggers concepts.

Course Name: ELECTIVE I: Computer Networks
Course Code: 21UAJET505

CO1	Know the various architectures and services of the Network
CO2	Understand the data communication Medium and Protocols.
CO3	Describe the encoding and switching between the networks.
CO4	Explain the data routing and issues in data transfer.
CO5	Analyze the protocols of Internet and its applications.

Course Name: ELECTIVE I: Computer Graphics
Course Code: 21UAJET506

CO1	Understand concepts of output primitives and its attributes.
CO2	Understand concepts of 2D transformations and clipping operations.
CO3	Know the 3D concepts and object representations.
CO4	Know the 3D transformations and viewing.
CO5	Understand concepts of Color models and basics of Animation.

Course Name: ELECTIVE I: Cloud Computing
Course Code: 21UAJET507

CO1	Enumerate the fundamentals and essentials of Cloud Computing.
CO2	Classify the nature of cloud services and deployment models.
CO3	Prioritizes the cloud use cases, service management and cloud adaptation.
CO4	Infer the relationship between cloud computing and virtualization.
CO5	Acquaintance with the concept of cloud computing in relation to business activities.

Course Name: Skill Based Practical III: PHP & MYSQL
Course Code: 21UAJSP508

CO1	Create a program to read data from webpage using forms and various data controls and implement String, Array, Math and Date Functions.
CO2	Design a PHP script with server side validation and cookies.
CO3	Implement file uploads and session concepts.
CO4	Develop an application to implement Database connectivity with MYSQL.
CO5	Develop an application with database connectivity to search and update records.

Course Name: Advanced Learners Course: BIG DATA ANALYTICS
Course Code: 21UAJAL509

C01	Understand the basic concepts of bootstrap.
C02	Design responsive layouts.
C03	Create a navigation bars and paginations.
C04	Develop a simple registration page.
C05	Design and demonstrate the different themes using Bootswatch.

Course Name: Advanced Learners Course: R PROGRAMMING
Course Code: 21UAJAL510

C01	Understand the basic concepts of R Programming.
C02	Acquire knowledge in data structures.
C03	Understand the loading and retrieval of data from files.
C04	Create a own customized functions.
C05	Understand how data is analyzed and visualized using statistic functions.

SEMESTER: VI

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: Core XIII: .NET Programming

Course Code: 21UAJCT601

CO1	To understand the basic concepts of .NET.
CO2	To understand the concept of windows forms and tools in .NET.
CO3	To know the concept of menus and exceptions.
CO4	To know the concept of ADO.NET.
CO5	To know the concept of connecting the application with database.

Course Name: Core Practical VI: .NET Programming

Course Code: 21UAJCP602

CO1	Develop a program with basic controls label, textbox, buttons, listbox and combobox.
CO2	Create simple application using checkbox, radiobutton, groupbox and timer controls.
CO3	Create an application to implement menus and dialog controls.
CO4	Implement Exception Handling mechanism in VB.NET and Hierarchical structure of Treeview Control.
CO5	To create an application to display user inputs and make a database connection.

Course Name: Skill Based Practical IV: Software Testing

Course Code: 21UAJSP610

CO1	Do the Control Flow and Data Flow Testing.
CO2	Demonstrate the Unit and Integration Testing.
CO3	Test the Boundary Value Analysis and System Testing.
CO4	Test the Load of an application through an automation tool.
CO5	Do the Performance Testing through an automation tool.

Course Name: Elective II: Client Server Computing

Course Code: 21UAJET603

CO1	Know the basics of Client/Server, applications and its architecture.
CO2	Understand the various Operating Systems for Client / Server Computing.
CO3	Know the procedure calls and Rules.
CO4	Know the TP monitors and its uses.
CO5	Understand the distributed objects and services.

Course Name: Elective-II: Data Mining**Course Code: 21UAJET604**

CO1	Understand the basic concepts of data mining.
CO2	Understand about the preprocessing techniques.
CO3	Know about the classification in data mining.
CO4	Learn about classification algorithms and prediction.
CO5	Know about the cluster analysis.

Course Name: Elective II: Artificial Intelligence and Expert Systems**Course Code: 21UAJET605**

CO1	Understand the basic concepts of Artificial Intelligence.
CO2	Understanding Heuristic Search techniques.
CO3	Identify the Knowledge representation issues.
CO4	Evaluate Using Predicate Logic.
CO5	Implement the Expert System.

Course Name: Elective III: Internet Of Things (IOT)**Course Code: 21UAJET606**

CO1	Clarify the vision of IoT
CO2	Determine the Market perspective of IoT
CO3	Classify the use of Devices, Gateways and Data Management in IoT
CO4	Enumerate about the basic concepts of Python
CO5	Create and execute Python programs through IoT Devices

Course Name: Elective III : E – Commerce**Course Code: 21UAJET607**

CO1	Understand the basic concepts of E-Commerce and its architecture.
CO2	Understand the mobile commerce concepts and network security.
CO3	Know the firewall and encryption techniques.
CO4	Know the Electronic Payment systems of E-Commerce.
CO5	Apply EDI in E-commerce.

Course Name: Elective – III: Mobile Computing

Course Code: 21UAJET606

C01	Understand the basic concepts of mobile computing and its architecture
C02	Know the Concept of Wireless transmission mechanisms.
C03	Analyze the need for Medium Access Control techniques.
C04	Demonstrate the Telecommunications systems and Mobile Network Layer.
C05	Categorize the types of MANET and WSN.

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**DEPARTMENT OF COMPUTER TECHNOLOGY AND
INFORMATION TECHNOLOGY**

SEMESTER: V

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: CORE 10: COMPUTER NETWORKS

Course Code: 21UALCT501

CO1	Demonstrate the understanding of basic terminology and concepts of the OSI and TCP/IP reference models.
CO2	Explain transmission media, multiplexing and public switched telephone networks.
CO3	Illustrate the concepts of data link layer and MAC sublayer.
CO4	Illustrate the concepts of design issues, routing algorithms and internet protocols of network layer.
CO5	Demonstrate the detailed understanding of various services and protocols of transport layer and applications of DNS and Electronic mail.

Course Name: CORE 11: ANDROID PROGRAMMING

Course Code: 21UALCT502

CO1	Demonstrate the understanding of Android Studio Project Structure.
CO2	Illustrate the concept of Android Layouts and Lifecycle.
CO3	Summarize the concepts of Object-Oriented Programming.
CO4	Apply the Widgets and Sound Effects .
CO5	Develop the Android SQLite API and Databases.

Course Name: CORE 12: SOFTWARE ENGINEERING

Course Code: 21UALCT503

CO1	Define the key aspects in the software engineering and process models.
CO2	Apply the software requirement engineering tasks in the project.
CO3	Develop the different systematic design models for the project.
CO4	Apply the various testing procedures in the project.
CO5	Use the various software quality standards in the project.

**Course Name: CORE PRACTICAL 5: SOFTWARE ENGINEERING AND CASE TOOLS
LAB**

Course Code: 21UALCP504

CO1	Develop the project planning phase for the software application.
CO2	Develop the software requirement analysis document for the software application.
CO3	Develop the design models for the software application.
CO4	Develop the source code for the software project.
CO5	Construct the test cases for the software project.

Course Name: ELECTIVE – I – A: ARTIFICIAL INTELLIGENCE

Course Code: 21UALET505

CO1	Illustrate the concept of artificial intelligence principles and approaches.
CO2	Apply the various search techniques to solve the real world problems.
CO3	Describe the concept of knowledge representation and predicate logic.
CO4	Summarize the concept of game playing and planning.
CO5	Design the expert models for perception and prediction from intelligent environment.

Course Name: ELECTIVE - I – B: SYSTEM SOFTWARE

Course Code: 21UALET506

CO1	Demonstrate the understanding of the basic functionality of the system software.
CO2	Identify the assemblers, macro processors and their functions.
CO3	Describe the loaders and linkers and their functions.
CO4	Design a simple compiler with code optimized techniques
CO5	Apply the interpreters and the software tools.

Course Name: ELECTIVE - I - C: MULTIMEDIA SYSTEMS

Course Code: 21UALET507

CO1	Demonstrate the understanding of the digital representation and visual display systems.
CO2	Illustrate the concept of text and color models.
CO3	Implement the drawing algorithms, transformations and surface texture.
CO4	Explain the fundamental characteristics of sound, audio recording systems and audio processing software.
CO5	Describe the video signal formats, video editing software and compression.

Course Name: SKILL BASED PRACTICAL 3: ANDROID PROGRAMMING LAB
Course Code: 21UALSP508

CO1	Install and configure Android application development tools.
CO2	Apply the essential Android programming concepts.
CO3	Develop an application using basic graphical primitives and databases
CO4	Design User Interfaces for the Android platform.
CO5	Apply Java programming concepts for Android application development.

Course Name: ADVANCED LEARNERS COURSE 2 - A: WEB DEVELOPMENT WITH REACT JS AND MONGODB
Course Code: 21UALAL509

CO1	Design web pages with JavaScript and React.
CO2	Build interactive web pages using React Components and JSX.
CO3	Implement the concepts of React State Management and incorporating data.
CO4	Demonstrate the understanding of Basic Knowledge in MongoDB.
CO5	Apply the data manipulation in MongoDB documents.

Course Name: ADVANCED LEARNERS COURSE 2 - B: ENTERPRISE RESOURCE PLANNING
Course Code: 21UALAL510

CO1	Demonstrate the understanding of the basic concepts of ERP.
CO2	Identify implementation methodologies used in ERP
CO3	Apply the concepts of ERP Manufacturing Perspective and ERP Modules
CO4	Illustrate the process of ERP Market.
CO5	Demonstrate the present and future of ERP.

SEMESTER: VI**Course Outcomes (CO):** On completion of the course, students should be able to**Course Name: CORE 13: INTERNET OF THINGS****Course Code: 21UALCT601**

CO1	Illustrate the Internet of Things enabling technologies and IOT levels.
CO2	Demonstrate the understanding of the basic domain specific IOTs.
CO3	Describe the various applications of IOT.
CO4	Apply the IOT design methodology using Python.
CO5	Illustrate the concepts of IOT Physical Devices.

Course Name: CORE PRACTICAL 6: PYTHON PROGRAMMING LAB**Course Code: 21UALCP602**

CO1	Demonstrate the basic concepts of python programming with the help of control statements.
CO2	Create python programs with functions and strings
CO3	Apply python data structure like lists and tuples to perform operations.
CO4	Demonstrate the concepts of dictionaries and file handling.
CO5	Apply coding tasks related to the fundamental notions and techniques used in object oriented programming.

Course Name: ELECTIVE - II - A: ETHICAL HACKING**Course Code: 21UALET603**

CO1	Define the basic concepts of ethical hacking and foot printing.
CO2	Illustrate the scanning, enumeration and system hacking techniques.
CO3	Develop the skills to solve trojans, backdoors, viruses, worms, sniffers and session hijacking.
CO4	Implement the concepts of hacking web servers, SQL injection, buffer overflows and wireless hacking
CO5	Identify the key aspects of physical security, cryptography algorithms and penetration testing methodologies.

Course Name: ELECTIVE - II - B: MACHINE LEARNING**Course Code: 21UALET604**

CO1	Demonstrate the understanding of basic machine learning techniques.
CO2	Summarize the concept of feature selection and data setting.
CO3	Illustrate the concepts of regression analysis and clustering.
CO4	Analyze the concept of neural networks and to build decision trees.
CO5	Demonstrate the ability to build the ensemble model.

Course Name: ELECTIVE - II - C: R PROGRAMMING
Course Code: 21UALET605

CO1	Demonstrate simple applications in R using basic constructs.
CO2	Illustrate the concepts of matrices, arrays and lists
CO3	Develop the applications using data frames, factors and tables
CO4	Summarize the concept of control statements, functions and graphs.
CO5	Apply the various input / output operations and string manipulations using files in R programming.

Course Name: ELECTIVE - III - A: CLOUD COMPUTING
Course Code: 21UALET606

CO1	Describe the strengths and limitations of cloud computing.
CO2	Illustrate the concepts of centralizing email communication and collaborations.
CO3	Implement the use of word processing, spreadsheets and databases.
CO4	Demonstrate the understanding of storing and sharing files and other online contents.
CO5	Make use of the communication tools, blogs and wikis.

Course Name: ELECTIVE - III - B: BIG DATA ANALYTICS
Course Code: 21UALET607

CO1	Define Big Data and its uses.
CO2	Describe the Big Data technologies and Hadoop ecosystem.
CO3	Illustrate the fundamentals of MapReduce and HBase.
CO4	Describe the storing of data in database and Hadoop.
CO5	Analyze the data with Pig and Hive.

Course Name: ELECTIVE - III - C: INFORMATION SECURITY AND CYBER LAW
Course Code: 21UALET608

CO1	Demonstrate an understanding of the information security concepts and detect mobile and web application security threats.
CO2	Identify the impact of e-commerce on business model and strategies.
CO3	Describe the cryptography basics, algorithms and mathematical background for cryptography.
CO4	Analyze the interface of copyright law with other IP related laws.
CO5	Apply appropriate law enforcement strategies to both, prevent and control cybercrime

Course Name: SKILL BASED PRACTICAL 4: R PROGRAMMING LAB
Course Code: 21UALSP610

CO1	Apply the concepts of operators and expressions.
CO2	Illustrate the use of different R data structures.
CO3	Summarize the concept of lists and frames.
CO4	Demonstrate the use of customized graph in R.
CO5	Implement different input/output operations and string manipulation functions in R.

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DEPARTMENT OF COMPUTER TECHNOLOGY AND INFORMATION TECHNOLOGY

SEMESTER: V

Course Outcomes (CO): On completion of the course, students should be able to

Course Name: CORE 10: COMPUTER NETWORKS

Course Code: 21UAMCT501

CO1	Demonstrate the understanding of basic terminology and concepts of the OSI and TCP/IP reference models.
CO2	Explain transmission media, multiplexing and public switched telephone networks.
CO3	Illustrate the concepts of data link layer and MAC sublayer.
CO4	Illustrate the concepts of design issues, routing algorithms and internet protocols of network layer.
CO5	Demonstrate the detailed understanding of various services and protocols of transport layer and applications of DNS and Electronic mail.

Course Name: CORE 11: WEB DEVELOPMENT WITH REACT JS AND MONGODB

Course Code: 21UAMCT502

CO1	Design web pages with JavaScript and React.
CO2	Build interactive web pages using React Components and JSX.
CO3	Implement the concepts of React State Management and incorporating data.
CO4	Demonstrate the understanding of Basic Knowledge in MongoDB.
CO5	Apply the data manipulation in MongoDB documents.

Course Name: CORE 12: SOFTWARE ENGINEERING

Course Code: 21UAMCT503

CO1	Define the key aspects in the software engineering and process models.
CO2	Apply the software requirement engineering tasks in the project.
CO3	Develop the different systematic design models for the project.
CO4	Apply the various testing procedures in the project.
CO5	Use the various software quality standards in the project.

**Course Name: CORE PRACTICAL 5: SOFTWARE ENGINEERING AND CASE TOOLS
LAB**

Course Code: 21UAMCP504

CO1	Develop the project planning phase for the software application.
CO2	Develop the software requirement analysis document for the software application.
CO3	Develop the design models for the software application.
CO4	Develop the source code for the software project.
CO5	Construct the test cases for the software project.

Course Name: ELECTIVE - I - A: ARTIFICIAL INTELLIGENCE

Course Code: 21UAMET505

CO1	Illustrate the concept of artificial intelligence principles and approaches.
CO2	Apply the various search techniques to solve the real world problems.
CO3	Describe the concept of knowledge representation and predicate logic.
CO4	Summarize the concept of game playing and planning.
CO5	Design the expert models for perception and prediction from intelligent environment.

Course Name: ELECTIVE - I - B : THEORY OF COMPUTATION

Course Code: 21UAMET506

CO1	Demonstrate the fundamental concepts of Formal Languages and Automata.
CO2	Illustrate the principles of Regular Expressions.
CO3	Design context free grammars for formal languages and Pushdown Automata.
CO4	Describe the concept of Turing machine to solve the simple problems.
CO5	Examine the undecidability and intractability of various problems.

Course Name: ELECTIVE - I - C : COMPUTER GRAPHICS

Course Code: 21UAMET507

CO1	Apply the various line drawing algorithms to scan and convert the basic geometric figures.
CO2	Demonstrate the importance of two dimensional geometric transformations and viewing.
CO3	Define the fundamentals of 3D concepts, 3D object representation and 3D geometric and modeling transformation.
CO4	Illustrate the concept of visible surface detection methods.
CO5	Define the color models and their applications.

**Course Name: SKILL BASED PRACTICAL 3: REACT JS AND MONGODB
PROGRAMMING LAB**

Course Code: 21UAMSP508

CO1	Demonstrate the basic concepts of React JS.
CO2	Create interactive applications with React.
CO3	Apply the concepts of state management and render props in React JS.
CO4	Demonstrate the concepts of MongoDB documents and collections.
CO5	Apply CRUD operations using React JS with MongoDB.

Course Name: ADVANCED LEARNERS COURSE 2 - A: PROGRAMMING IN MATLAB

Course Code: 21UAMAL509

CO1	Demonstrate the concepts of elementary math built-in function.
CO2	Illustrate the knowledge of creating one and two dimensional array.
CO3	Explore the concepts of Script files.
CO4	Apply loop structures and commands in applications.
CO5	Examine the structure of functions in applications.

Course Name: ADVANCED LEARNERS COURSE 2 - B: E-COMMERCE

Course Code: 21UAMAL510

CO1	Demonstrate the anatomy of E-commerce applications.
CO2	Summarize the network infrastructure for E-Commerce.
CO3	Illustrate the security and challenges in E-Commerce.
CO4	Describe the various types of electronic payment system in day to day life.
CO5	Outline the fundamentals of Intraorganizational Commerce and Corporate Digital Library.

SEMESTER: VI**Course Outcomes (CO):** On completion of the course, students should be able to**Course Name: CORE 13: DATA MINING****Course Code: 21UAMCT601**

CO1	Illustrate the basic data mining concepts and their importance in business intelligent applications.
CO2	Identify and understand the fundamental technologies used in data mining techniques.
CO3	Demonstrate the understanding of the classification algorithms in the real world data sets.
CO4	Demonstrate the understanding of the clustering algorithms in the real world data sets.
CO5	Construct the association rules from the data sets.

Course Name: CORE PRACTICAL 6: DATA MINING LAB**Course Code: 21UAMCP602**

CO1	Interpret the data preprocessing steps and data sets.
CO2	Apply the classification algorithms in the real world data sets.
CO3	Demonstrate the clustering algorithms by using the WEKA tool.
CO4	Identify the association rules for the e-commerce applications.
CO5	Develop an application using basic data mining tasks.

Course Name: ELECTIVE - II –A: ETHICAL HACKING**Course Code: 21UAMET603**

CO1	Define the basic concepts of ethical hacking and foot printing.
CO2	Illustrate the scanning, enumeration and system hacking techniques.
CO3	Develop the skills to solve trojans, backdoors, viruses, worms, sniffers and session hijacking.
CO4	Implement the concepts of hacking web servers, SQL injection, buffer overflows and wireless hacking.
CO5	Identify the key aspects of physical security, cryptography algorithms and penetration testing methodologies.

Course Name: ELECTIVE - II -B: PYTHON PROGRAMMING**Course Code: 21UAMET604**

CO1	Demonstrate the basic concepts of python programming.
CO2	Summarize the concepts of functions and strings.
CO3	Describe the data structures lists and tuples for the data.
CO4	Illustrate the data using dictionaries and file handling in python.
CO5	Apply OOPs concepts in real-time python applications.

Course Name: ELECTIVE - II -C: BLOCK CHAIN TECHNOLOGY
Course Code: 21UAMET605

CO1	State the basic concepts of Blockchain.
CO2	Explain the need of Blockchain.
CO3	Demonstrate the working of Blockchain.
CO4	Illustrate the storing of transaction data
CO5	Describe the limitations of Blockchain.

Course Name: ELECTIVE - III -A: CLOUD COMPUTING
Course Code: 21UAMET606

CO1	Describe the strengths and limitations of cloud computing.
CO2	Illustrate the concepts of centralizing email communication and collaborations.
CO3	Implement the use of word processing, spreadsheets and databases.
CO4	Demonstrate the understanding of storing and sharing files and other online contents.
CO5	Make use of the communication tools, blogs and wikis.

Course Name: ELECTIVE - III -B: DATA VISUALIZATION
Course Code: 21UAMET607

CO1	Illustrate the concept of data visualization.
CO2	Demonstrate the understanding of the Various Visualizing Distributions Concepts.
CO3	Outline the different Visualizing Associations among Quantitative Variables.
CO4	Explain the various Figure Designs and Overlapping Points.
CO5	Describe the Titles, Captions and Tables.

Course Name: ELECTIVE - III - C: INFORMATION SECURITY AND CYBER LAW
Course Code: 21UAMET608

CO1	Demonstrate an understanding of the information security concepts and detect mobile and web application security threats.
CO2	Identify the impact of e-commerce on business model and strategies.
CO3	Describe the cryptography basics, algorithms and mathematical background for cryptography
CO4	Analyze the interface of copyright law with other IP related laws.
CO5	Apply appropriate law enforcement strategies to both, prevent and control cybercrime

Course Name: SKILL BASED PRACTICAL 4: PYTHON PROGRAMMING LAB
Course Code: 21UAMSP610

CO1	Demonstrate the basic concepts of python programming with the help of control statements
CO2	Create python programs with functions and strings.
CO3	Apply python data structure like lists and tuples to perform operations.
CO4	Demonstrate the concepts of dictionaries and file handling.
CO5	Apply coding tasks related to the fundamental notions and techniques used in object oriented programming.

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DEPARTMENT OF MATHEMATICS

Programme Outcomes for UG Programme:

At the end of the programme, students will be able to

PO Number	PO Statement
PO1	Critical Thinking: 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.
PO2	Effective Communication: 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.
PO3	Social Interaction: Elicit views of others, mediate disagreements and help reach conclusions in group settings.
PO4	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issue and participate in civic life through volunteering.
PO5	Ethics: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO6	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO7	Self - directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context socio- technological changes.

Programme Specific Outcomes:

At the end of the programme, students are expected to

PSO Number	PSO Statement
PSO1	Developing analytical skills, attitude, critical thinking and searching for conclusions to the problems arising from complicated structures.
PSO2	Attaining a rigorous and intellectual pursuit which helps to find patterns and structures.
PSO3	Strengthening the high level of employability and higher education.
PSO4	Improving their performance to appear for Competitive examinations.
PSO5	Investigate real life problems and learn to solve them through formulating Mathematical models.

SEMESTER: V**Course Outcomes (CO):** On completion of the course, students should be able to**Course Name: CORE PAPER X : REAL ANALYSIS I****Course Code: 21UANCT501**

C01	Outline the concepts of Real and Complex number Systems.
C02	Discuss Some basic notions of set theory
C03	Discuss about Elements of point set topology.
C04	Analyse Lindelof covering theorem.
C05	Discuss about Limits and Continuity.

Course Name: CORE PAPER XI : ABSTRACT ALGEBRA**Course Code: 21UANCT502**

C01	know about the properties of a Group.
C02	distinguish various types of groups.
C03	construct the mappings and define the properties of rings.
C04	discuss the concept of homomorphisms in rings.
C05	analyze Ideals and homomorphisms of rings.

Course Name: CORE PAPER XII : OPERATIONS RESEARCH**Course Code: 21UANCT503**

C01	formulate and solve Linear Programming Problem.
C02	solve the Linear Programming Problem by simplex methods.
C03	outline transportation problems.
C04	Solve problems in assignment & game theory.
C05	construct a network diagram by PERT and CPM.

Course Name: CORE PAPER XIII: PROGRAMMING IN C**Course Code: 21UANCT504**

C01	know about the basic structure of C programming.
C02	distinguish various types of operators and expressions in C.
C03	discuss about various I/O operators and decision making statements.
C04	discuss the concept of looping statements and arrays.
C05	apply character arrays, strings and structures.

Course Name: ELECTIVE I : PROGRAMMING IN C (PRACTICAL)

Course Code: 21UANEP505

CO1	Recollect the general framework and understand the key functions of management as applied in practice.
CO2	Understand the importance of planning and decision making.
CO3	Apply the principles of sound organization.
CO4	Execute the theories in management.
CO5	Evaluate the techniques of co-ordination and control.

Course Name: SKILL BASED PRACTICAL – III : MATLAB PROGRAMMING

Course Code: 21UANSP508

CO1	Solve the Transcendental and Differential equations
CO2	Evaluate the given function by Simpson's rule and solve the roots of the Quadratic equation
CO3	Generate the Fibonacci sequence, Pascal triangle
CO4	Compute the Trace, Sum, Mean, Median, Variance, Standard deviation of a matrix
CO5	Plot the Sine curve and find Eigen values and Eigen Vectors of a matrix.

SEMESTER :VI

Course Name : CORE XIV : REAL ANALYSIS- II

Course Code : 21UANCT601

CO1	Outline the concepts of Continuous functions .
CO2	Discuss about Connectedness.
CO3	Discuss about Derivatives.
CO4	Analyse Mean value theorem for derivatives.
CO5	Analyse Riemann –Stieltjes integral theorem .

Course Name : CORE XV : COMPLEX ANALYSIS

Course Code : 21UANCT602

CO1	explain the concepts of limit, continuity and analytic functions of a complex variable.
CO2	explain the concepts of various bilinear transformations.
CO3	understand and apply complex integration.
CO4	develop the series expansion.
CO5	evaluate definite integrals using Cauchy's residue theorem.

Course Name : CORE XVI :LINEAR ALGEBRA

Course Code : 21UANCT603

C01	know about the concept of a vector space.
C02	analyze basis, dimension and matrix of a linear transformation.
C03	construct an inner product space.
C04	discuss the types of matrices and their transformations.
C05	calculate the rank of a matrix, characteristic equation, eigen values and eigen vectors.

Course Name : ELECTIVE II : ELEMENTARY GRAPH THEORY

Course Code : 21UANET604

C01	Know about graphs and its operations
C02	Discuss the concept of connectivity
C03	Know about Trees
C04	Construction of Eulerian and Hamiltonian graphs
C05	Difference between directed and undirected graphs

Course Name : ELECTIVE II : INTRODUCTION TO INDUSTRY 4.0

Course Code : 21UANET605

C01	Know the reason for adopting Industry 4.0 and Artificial Intelligence.
C02	Understand the need for digital transformation.
C03	Apply the industry 4.0 tools.
C04	Analyze the applications of Big Data.
C05	Examine the applications and security of IoT Applications.

Course Name : ELECTIVE II : VISUAL BASIC PRACTICAL

Course Code : 21UANEP606

C01	sort list of numbers, find smallest of n numbers and select any one from a list.
C02	create a project that displays the current date and time and timer control
C03	convert temperature scale.
C04	find factorial value of number and illustrate the usage of scroll bars.
C05	illustrate the usage of input boxes and find the sine of an angle.

Course Name : ELECTIVE III : NUMERICAL METHODS

Course Code : 21UANET607

C01	know and solve numerical algebraic and transcendental equations.
C02	solve solution of simultaneous linear algebraic equations.
C03	find the Interpolation for equal intervals
C04	understand the concept of Numerical Differentiation and Integration
C05	solve single and multi step methods of first order differential equation

Course Name : ELECTIVE III : NEURAL NETWORKS

Course Code : 21UANET608

C01	Understand and analyze different neuron network models
C02	Attain knowledge about most common learning algorithms for multilayer perceptions, radial-basis function networks.
C03	Describe the Hebb rule and analyze back propagation algorithm with examples.
C04	Study convergence and generalization and implement common learning algorithm.
C05	Evaluate directional derivatives and necessary conditions for optimality and to evaluate quadratic functions.

Course Name : ELECTIVE III : FUZZY SETS AND FUZZY LOGIC

Course Code : 21UANET609

C01	understand the concept of Fuzzy Sets and Classical Sets
C02	discuss Fuzzy Relations and Classical Relations.
C03	know the Membership Functions.
C04	classify Classical Logic and Fuzzy Logic.
C05	tell the Fuzzy to Crisp Conversions



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DEPARTMENT OF BIOCHEMISTRY



B.Sc BIOCHEMISTRY

SEMESTER – V

COURSE OUTCOMES (CO)

On completion of the course, students should be able to

Course Name : Core 8 - Human Physiology and Medical Terminology

Course Code : 21UAPCT501

CO 1	Understand the biochemical, molecular and cellular events that orchestrate the coordinated functioning of various organ systems of the human body that regulate life processes.
CO 2	Familiarize the structure of digestive system and functions of enzymes involved in digestion of carbohydrates, proteins & fats and to understand the mechanism of exchange of gases between lungs & tissues.
CO 3	Summarize the functions of blood cells, processes of blood clotting and cardiac cycle.
CO 4	Understand the mechanism of muscle contraction, urine formation and transmission of nerve impulses.
CO 5	Comprehend the functions of reproduction organs and identify various disorders & diseases associated with malfunctioning of reproductive organs.

Course Name : CORE 9 - Clinical Biochemistry

Course Code : 21UAPCT502

CO 1	Clearly understand the pathological regulations of carbohydrate metabolism.
CO 2	Make the learner aware of lipid metabolic changes.
CO 3	Realize the disease state of amino acid, purine and pyrimidine metabolism.
CO 4	Know the problems related to the preparation of the patient, the collection and knowledge of the samples.
CO 5	Identify the meaning and use of laboratory investigations in connection with diseases of the liver and kidneys.

Course Name : CORE 10 - Molecular Biology

Course Code : 21UAPCT503

CO 1	Acquire better knowledge about the replication machinery of DNA.
CO 2	Learn the basic steps of transcription and processing of RNA
CO 3	Integrate knowledge with the translation process of proteins
CO 4	Know the fundamentals of gene recombination
CO 5	Identify the mutations in genes and mechanism of transposons

SEMESTER – V
COURSE OUTCOMES (CO)

On completion of the course, students should be able to

Course Name : Core Biochemistry Practicals III

Course Code : 21UAPCP504

CO 1	Understand the importance of BT, CT, Hb test
CO 2	Explain the clinical significance of the laboratory tests
CO 3	Evaluate the abnormalities of urine and blood samples
CO 4	Diagnosis of clinical disorders by estimating enzyme biomarkers
CO 5	Create awareness of different lifestyle diseases increasingly found in present day

Course Name : Elective 1 – rDNA Technology

Course Code : 21UAPET505

CO 1	Understand the fundamental requirements and concepts of gene cloning
CO 2	Know the procedures of gene libraries and Hybridization techniques.
CO 3	Develop theoretical skills for working with PCR and DNA sequencing.
CO 4	Provide the ideas for gene transfer in plants and animals.
CO 5	Understand the current ethical issues of rDNA technology.

Course Name : Skill Based 3 - Nutritional Biochemistry

Course Code : 21UAPST508

CO 1	Acquire detailed knowledge regarding the biological basis of nutrition
CO 2	Develop laboratory skills required for a modern biochemical study of nutrition includes the quantitative analysis and interpretation of results.
CO 3	Attain the mechanisms by which diet can influence our health
CO 4	Integrate biochemical mechanisms with disease pathology and clinical treatment options
CO 5	Gain the principles, knowledge and application of integrative nutrition in the areas of whole foods & food as a medicine

SEMESTER – V
COURSE OUTCOMES (CO)

On completion of the course, students should be able to

Course Name : Advanced Learners Course 3 - Cancer Biology

Course Code : 21UAPAL509

CO 1	Understand the basics of cancer.
CO 2	Gain knowledge about cellular and molecular mechanisms of cancer cells.
CO 3	Clearly understand the mechanism of oncogenesis and apoptosis.
CO 4	Get a foundation in the cancer cell signaling molecules.
CO 5	Understand the approaches of cancer therapy

**Course Name : Advanced Learners Course 4 –
Entrepreneurship Development in Life Sciences and Healthcare**

Course Code : 21UAPAL510

CO 1	Acquire sound knowledge about general support of Entrepreneurship.
CO 2	Explain the marketing plan and surveys.
CO 3	Gain an idea about the mushroom cultivation.
CO 4	Understand the significance of vermicompost and Organic Terrace farming
CO 5	Get a fundamental knowledge with the methods of aquaculture and sericulture

SEMESTER – VI

Course Name : Core 11 - Medicinal Biochemistry

Course Code : 21UAPCT601

CO 1	Gain knowledge for the concepts of drug and its specified receptors.
CO 2	Knows the fundamentals about drug metabolism.
CO 3	Identify the drug for chemotherapy.
CO 4	Obtain an idea about recurring cardio vascular diseases and Diabetes Mellitus.
CO 5	Expose with the effects of Drug abuse and basics of Drug Design.

Course Name : Core 12 - Plant Biochemistry and Plant Therapeutics

Course Code : 21UAPCT602

CO 1	Know basic physiological aspects of transpiration, respiration.
CO 2	Gain the fundamentals idea about photosynthesis machinery in plants.
CO 3	Recognize and understand the importance of nutrition for plant growth.
CO 4	Describe the practical applications of plant growth regulators.
CO 5	Learn about the functions of secondary metabolites.

SEMESTER – VI
COURSE OUTCOMES (CO)

On completion of the course, students should be able to

Course Name : Core 13 - Fundamentals of Immunology

Course Code : 21UAPCT603

CO 1	Understand the immune response to our body.
CO 2	Know about the interactions of antigen and antibody and complement system.
CO 3	Understand the concept of Immunotechniques with applications.
CO 4	Gain an idea about reactions of hypersensitivity.
CO 5	Clearly illustrate the criteria's of transplantation and vaccination.

Course Name : Core Biochemistry Practicals IV

Course Code : 21UAPCP604

CO 1	Understand the serological parameters.
CO 2	Acquire knowledge about Antigen - Antibody Reaction.
CO 3	Get better knowledge with screening of secondary metabolites.
CO 4	Acquire practical exposure with analysis of biochemical constituents in plants.
CO 5	Gain knowledge in molecular techniques.

Course Name : Elective 2 - Bioinformatics Practicals

Course Code : 21UAPEP605

CO 1	Work in MS Office and HTML.
CO 2	Understand the way of working in biological databases and data retrieval tools.
CO 3	Develops the knowledge in Sequence similarity searching.
CO 4	Know to perform different gene prediction.
CO 5	Get a fundamental knowledge with the sequence alignment tools.

Course Name : Skill Based 4 - Bioinformatics

Course Code : 21UAPST611

CO 1	Know the scope and importance of bioinformatics.
CO 2	Understand the importance of different databases.
CO 3	Gain the sequence alignment methods.
CO 4	Interpret the prediction methods of various Biomolecules.
CO 5	Apply knowledge on current commercial bioinformatics.

**PROGRAMME: B.Sc BIOTECHNOLOGY
FIFTH SEMESTER**

Core Paper VIII – Immunology

Course Code – 21UAQCT501

CO 1	Understand the basics of immunology
CO 2	Develop their perception levels in understanding the concepts of antigen and antibody
CO 3	Interpret their ideas related to antigen presentation
CO 4	Outline the metabolic pathways of immune response
CO 5	Describe their understanding in advanced immunological techniques

Core Paper IX - rDNA Technology

Course Code – 21UAQCT501

CO 1	Differentiate the role of various enzymes used in recombinant technology
CO 2	Describe the fundamental features of plasmids
CO 3	Comprehend their knowledge about vectors
CO 4	Identify the recombinant clones
CO 5	Understand the techniques of recombination

Core Paper X - Industrial Biotechnology

Course Code - 21UAQCT503

CO 1	Identify the requirements for fermentation technology
CO 2	Understand the different types of reactors
CO 3	Describe the process of down streaming and various techniques for product recovery
CO 4	Understand the production and use of industrially important enzymes
CO 5	Get a contented knowledge related to industrial chemicals

Core Practical III - Lab in rDNA Technology and Industrial Biotechnology

Course Code - 21UAQCP504

CO 1	Develop their skills in isolating DNA from various tissues
CO 2	Analyze the DNA and quantify it
CO 3	Perform restriction, ligation and transformation experiments
CO 4	Produce enzymes for industrial sectors
CO 5	Understand the blotting procedures of biomolecules

Elective – I - Environmental Biotechnology

Course Code – 23UAQCP103

CO 1	Have a clear idea on biotic and abiotic factors
CO 2	Understand the significance of bioremediation and biodegradation
CO 3	Generate an interest in field of energy sources
CO 4	Identify and involve in waste management
CO 5	Develop a basic idea regarding to Environmental Impact Assessment

Elective – I - Marine Biotechnology

Course Code - 21UAQET506

CO 1	Acquire knowledge about the significance of marine organisms
CO 2	Understand the methodology of bacterial cell aquaculture
CO 3	Predict and discover marine enzymes

CO 4	Identify the usage of various bioactive marine products
CO 5	Develop a basic knowledge about probiotics

Elective – I - Virology and Vaccinology

Course Code - 21UAQET507

CO 1	Relate the modern and historical aspects of virology
CO 2	Generalize the classification and types of virus
CO 3	Distinguish the replication of virus from other microbes
CO 4	Understand the concepts and types of vaccines
CO 5	Analyze the production methods of vaccines

Skill Based Subject III - Entrepreneurship in Life Sciences

Course code – 21UAQST508

CO 1	Identify the challenges of being an entrepreneur
CO 2	To understand the strategies of business plan preparation
CO 3	To excel in technical skills such as vermicomposting
CO 4	To acquire knowledge on the Mushroom Cultivation
CO 5	To obtain the benefits of Single Cell Protein

Advanced Learners Course - Cancer Biology

Course code – 21UAQAL509

CO 1	Analyze the different types of cancer
CO 2	Develop a deep insight about culturing of cells
CO 3	Understand the mechanism of oncogenesis and apoptosis
CO 4	Relate to the concepts of cellular signaling and cell lines
CO 5	Examine the therapies used for cancer diagnosis and therapy

Advanced Learners Course - Research Methodology

Course code – 21UAQAL510

CO 1	Infer on the concepts for designing a work of research
CO 2	Familiarize with the methods of data collection
CO 3	Analyze the methods used for sample collection
CO 4	Understand the key facts for writing a thesis
CO 5	Correlate the research data's using statistical methods

SIXTH SEMESTER

Core Paper XI - Animal Biotechnology, Bioethics and IPR

Course code – 21UAQCT601

CO 1	Describe the significance of growth media and primary culture
CO 2	Integrate with the methods used for the development of cell lines
CO 3	Apply the cells developed from tissue culture in various fields
CO 4	Know the ethics to be followed for transgenic studies
CO 5	Get a brief idea related to IPR

Core Paper XII - Plant Biotechnology

Course code – 21UAQCT602

CO 1	Improvise their knowledge regarding tissue culture media and its composition
CO 2	Understand the different available explants for tissue culture
CO 3	Describe the features of protoplast and its significance
CO 4	Outline the techniques of plant transformation
CO 5	Summarize the applications of molecular assisted breeding

Core Practical IV - Lab in Immunology and Plant Tissue Culture

Course code – 21UAQCP604

CO 1	Experiment with test animals for immunological purposes
CO 2	Analyze and understand the significance of antibodies
CO 3	Prepare various culture media for plant tissues
CO 4	Compare and contrast the tissue culture techniques using various explants
CO 5	Production of synthetic seeds

Elective II - Food Biotechnology

Course code – 21UAQET605

CO 1	Role of microbes and food contamination
CO 2	To obtain knowledge on food borne diseases
CO 3	To acquire knowledge on production of fermented foods
CO 4	Know the ethics and guidelines of food quality
CO 5	Treatment methods of food process

Elective II - Enzyme Technology

Course code – 21UAQET606

CO 1	To discuss the origin and nomenclature of enzymes
CO 2	Understand the mechanism of enzyme catalysis
CO 3	Explain the enzyme kinetics and categorize the enzyme inhibition
CO 4	Describe the role of enzyme regulation and their relation with metabolic pathway
CO 5	To apply the industrial uses of enzymes

Elective II - Genomics and Proteomics

Course code – 21UAQET607

CO 1	Understand the concept of genome organization
CO 2	Explain biological phenomena based on comparative genomics
CO 3	Interpret the concepts of functional genome analysis
CO 4	Analyze the methods for protein analysis
CO 5	Examine the different methods of protein characterization

Elective III - Bioinformatics

Course code – 21UAQET608

CO 1	Express the role of biological databases using bioinformatics algorithms
CO 2	Explain the types and functions of bioinformatics tools used in pair wise and multiple sequence alignment
CO 3	Gain knowledge on construction of phylogenetic tree
CO 4	Prediction of molecular modeling of the proteins
CO 5	Understand the concepts of molecular docking and computational drug discovery

Elective III - Pharmaceutical Biotechnology

Course code – 21UAQET609

CO 1	To understand basic concepts of pharmacology
CO 2	Explain the techniques involved in phytopharmaceuticals
CO 3	Interpret the mode of action of antimicrobial agents and pharmacological assays
CO 4	Describe the strategies and various steps of new drug discovery process
CO 5	To apply the knowledge of pharmaceutical manufacturing in the production of biopharmaceuticals like antibiotics, vaccines, proteins and hormones

Elective III - BioNanotechnology

Course code – 21UAQET610

CO 1	To understand the concepts of nanostructures and its characteristics
CO 2	Explain the different models of nanomaterials
CO 3	Interpret the concepts of protein and DNA based structures
CO 4	Describe the applications of nanoparticles in different sectors
CO 5	Apply the properties of biomaterials and its effects in medical field

Skill Based Subject IV - Medical Biotechnology

Course code – 21UAQST609

CO 1	Get familiarized with the field of Red Biotechnology
CO 2	Integrate their skills in diagnostic techniques
CO 3	Acquire knowledge in the techniques of protein therapeutics
CO 4	Inculcate the ideology of protein therapeutics
CO 5	Briefly understand the broad field of vaccinology

KONGU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)

Nanjanapuram, Erode – 638 107.

DEPARTMENT OF COSTUME DESIGN AND FASHION

Programme Title: B.Sc. Costume Design and Fashion

SEMESTER V

Course Outcome: At the end of the programme, the students will be able to

Course Name: CORE X KNITTING TECHNOLOGY

Course Code: 21UARCT501

CO1	Understand the basics of knitting and knit structures
CO2	Summarize the characteristics and working principle of weft knitting
CO3	Illustrate the structures of weft knitting
CO4	Establish the working principle of warp knit structures
CO5	Develop knowledge on maintenance of knit materials

Course Name: CORE PRACTICAL V CAD IN APPAREL DESIGN

Course Code: 21UARCP502

CO 1	Describe the fundamentals of Pattern making using software
CO 2	Develop their knowledge in Pattern Grading using Software
CO 3	Compute their own ideas into Apparel designs
CO 4	Predict the designs related to trend forecast
CO 5	Illustrate the men's and women's, kid's garments with various features for Fashion show

Course Name: CORE PRACTICAL VI WOMEN'S APPAREL

Course Code: 21UARCP503

CO 1	Describe an understanding of concepts of pattern making
CO 2	Experiment with taking of correct body measurements
CO 3	Identify the materials suitable for Women's garments
CO 4	Illustrate the garments with application of different seams and fullness
CO 5	Infer their skills in garment construction

Course Name: CORE PRACTICAL VIII FABRIC STRUCTURE ANALYSIS

Course Code: 21UARCP504

CO 1	Identify and represent plain weave and its derivatives on point paper
CO 2	Analyze the twill weave and its derivatives on point paper
CO 3	Illustrate the structures of towelling fabrics on point paper
CO 4	Understand the compound weaves on point paper
CO 5	Identify and analyse the structure of basic knits

Course Name: ELECTIVE I(A) : FASHION RETAILING

Course Code: 21UARET505

CO1	Understand the fundamentals of Retailing
CO2	Infer the basic concept of Retail Store Organization Structure
CO3	Analyze the consumer characteristics in Fashion Retailing
CO4	Understand the role of merchandiser in Fashion Industry
CO5	Observe the Fashion Retailing Operations.

Course Name: ELECTIVE I (B) : HOME FURNISHINGS

Course Code: 21UARET506

CO1	Describe the knowledge on basics of home textile
CO2	Identify the types of home textile and its care
CO3	Classify the different type of furnishings and its maintenance
CO4	Illustrate the type of kitchen linens and curtains
CO5	Understand the various types of layout

Course Name: ELECTIVE I (C): ENTREPRENEURSHIP DEVELOPMENT

Course Code 21UARET507

CO1	Understand the concept of Entrepreneurship
CO2	Analyze the motivational factors in Entrepreneurship
CO3	Classify the type of Enterprises
CO4	Summarize the methods of project appraisal
CO5	Identify the types of institutional financial support to entrepreneurs

Skill Based III: BUSINESS ORGANIZATION AND ACCOUNTING

Course Code: 21UARST508

CO1	Understand the basics of business
CO2	Recognize knowledge on accounting
CO3	Apply knowledge on trial balance
CO4	Identify the profit and loss of a concern
CO5	Estimate the elements of costing

Course Name: ADVANCED LEARNERS COURSE I (A): INTERIOR DESIGNING

Course Code: 21UARAL509

CO1	Understand the concept of Interior design
CO2	Classify the types of design
CO3	Identify and apply the elements of design
CO4	Examine the application of principles of design
CO5	Understand the motifs and interior designers

Course Name: ADVANCED LEARNERS COURSE II (B): ECO TEXTILES

Course Code: 21UARAL510

CO1	Classify eco-friendly textile fibers and outline newer fiber and its properties.
CO2	Understand about sustainable textiles
CO3	Summarize the eco-friendly processing of textiles
CO4	Infer the natural resources for eco-friendly dyeing, printing and mordanting.
CO5	Analyze the eco fashion and standards.

SEMESTER VI**Course Name: CORE XI : TEXTILE TESTING AND QUALITY CONTROL****Course Code: 21UARCT601**

CO1	Identify the quality concepts, characters and importance of quality control in textile industry
CO2	Understand the quality parameters of textiles and clothing
CO3	Analyze the quality control and standards for Accessories and garment making
CO4	Examine quality control in packing and labeling
CO5	Demonstrate the quality standards and management system

Course Name: CORE PRACTICAL VIII: MEN'S APPAREL**Course Code: 21UARCP602**

CO1	Identify the suitable material's for men's apparel construction
CO2	Develop knowledge on men's garment designing and pattern making
CO3	Analyze the suitable layout method
CO4	Apply the latest trend in garment construction
CO5	Understand and apply the suitable fasteners for garments

Course Name: PROJECT: FASHION PORTFOLIOS**Course Code: 21UARCV603**

CO1	Infer the concepts of fashion portfolios
CO2	Understand the skills in making mood boards
CO3	Analyze and create design styles for various themes
CO4	Evaluate the new insights through universal colouring system and fabric textures
CO5	Apply the innovative design collections based on selected themes

Course Name: ELECTIVE II (A) : FASHION MERCHANDISING

Course Code: 21UARET604

CO1	Understanding towards the branding to make place in existing fashion industry.
CO2	Develop knowledge on interior and exterior
CO3	Analyze the various store layout
CO4	Point out the features of effective window display setting
CO5	Apply the latest fashion in Fashion Merchandising

Course Name: ELECTIVE II (B) : APPAREL PRODUCTION MANAGEMENT

Course Code: 21UARET605

CO1	Identify the basic concepts of Apparel Production
CO2	Summarize the factors involved in Production planning
CO3	Demonstrate the methods of Production systems
CO4	Analyze and interpret the role of Garment assembly
CO5	Understand the techniques in Apparel quality management

Course Name: ELECTIVE II (C) : BUSINESS FINANCE

Course Code: 21UARET606

CO1	Analyze and interpret the concept and scope of finance
CO2	Describe the objectives and steps in business finance
CO3	Develop capital and type of finance used in business
CO4	Analyze the cost and earning theory
CO5	Calculate costing for individual and composite cost of finance

Course Name: ELECTIVE III (A) FASHION ACCESSORIES PRACTICAL
Course Code: 21UAREP607

CO1	Understand new techniques of creating ornaments.
CO2	Categorize new accessories with fabrics
CO3	Discover new ideas of creating accessories using jute thread.
CO4	Discover accessories using waste materials.
CO5	Analyze a complete set of ornaments for bridal accessories.

Course Name: ELECTIVE III (B) : EXPORT MANAGEMENT
Course Code: 21UARET608

CO1	Interpret the Knowledge on International trade
CO2	Identify the method of pricing your product
CO3	Simulate payment options, including letter of credit
CO4	Understand the export process
CO5	Identify the various export promotion organizations

Course Name: ELECTIVE III (C) : APPAREL QUALITY MANAGEMENT
Course Code: 21UARET609

CO1	Understand the concept of testing and inspection, and the various standards followed in testing textiles.
CO2	Describe knowledge on testing method for assessing fabric quality
CO3	Infer the use of quality assessment of trims and accessories
CO4	Analyze the in-process inspection during apparel production, various defects occurred and their causes
CO5	Understand the Environmental policies

Course Name: SKILL BASED PRACTICAL IV: CAD IN TEXTILE DESIGN

Course Code: 21UARSP610

CO1	Illustrate various weaves and colour combinations
CO2	Apply practical knowledge on creation of designs
CO3	Experiment with tools for creating Jacquard weaves
CO4	Understand the basics of Adobe Illustrator
CO5	Describe the role of Illustrator in dress design

KONGU ARTS AND SCIENCE COLLEGE, (AUTONOMOUS)

Nanjanapuram, Erode – 638 107.

DEPARTMENT OF COSTUME DESIGN AND FASHION

Programme Title: B.Sc. Costume Design and Fashion (Vocational)

SEMESTER V

Course Outcome: At the end of the programme, the students will be able to

Course Name: CORE X KNITTING TECHNOLOGY

Course Code: 21UASCT501

CO1	Understand the basics of knitting and knit structures
CO2	Summarize the characteristics and working principles of weft knitting
CO3	Illustrate the structures of weft knitting
CO4	Establish the working principle of warp knit structures
CO5	Develop knowledge on maintenance of knit materials

Course Name: CORE PRACTICAL V CAD IN APPAREL DESIGN

Course Code: 21UASCP502

CO 1	Describe the fundamentals of Pattern making using software
CO 2	Develop their knowledge in Pattern Grading using Software
CO 3	Compile their own ideas into Apparel designs
CO 4	Predict the designs related to trend forecast
CO 5	Illustrate the men's and women's, kid's garments with various features for Fashion show

Course Name: CORE PRACTICAL VI WOMEN'S APPAREL

Course Code: 21UASCP503

CO 1	Create an understanding of concepts of pattern making
CO 2	Experiment with taking of correct body measurements
CO 3	Identify the materials suitable for Women's garments
CO 4	Illustrate the garments with application of different seams and fullness
CO 5	Infer their skills in garment construction

Course Name: CORE PRACTICAL VII FABRIC STRUCTURE ANALYSIS

Course Code: 21UASCP504

CO 1	Identify and represent plain weave and its derivatives on point paper
CO 2	Analyze the twill weave and its derivatives on point paper
CO 3	Illustrate the structures of toweling fabrics on point paper
CO 4	Understand the compound weaves on point paper
CO 5	Identify and analyze the structure of basic knits

Course Name: Elective I (A) : FASHION PRODUCT DEVELOPMENT And MARKETING

Course Code: 21UASET505

CO1	Pursue a professional career in designing and developing fashion products
CO2	Understand the activities involved in Line concept development and Design development process
CO3	Describe the Line product development process
CO4	Establish the fashion marketing environment
CO5	Understand the market levels in fashion industry

Course Name: ELECTIVE I (B) HOME FURNISHINGS

Course Code: 21UASET506

CO1	Describe the knowledge on basics of home textile
CO2	Identify the types of home textile and its care
CO3	Classify the different type of furnishings and its maintenance
CO4	Illustrate the type of kitchen linens and curtains
CO5	Understand the various types of layout

Course Name: ELECTIVE I (C) ENTREPRENEURSHIP DEVELOPMENT
Course Code: 21UASET507

CO1	Understand the concept of Entrepreneurship
CO2	Analyze the motivational factors in Entrepreneurship
CO3	Classify the type of Enterprises
CO4	Summarize the methods of project appraisal
CO5	Identify the types of institutional financial support to entrepreneurs

Course Name: SKILL BASED III BUSINESS ORGANIZATION AND ACCOUNTING
Course Code: 21UASST508

CO1	Understand the basics of business
CO2	Build knowledge on accounting
CO3	Apply knowledge on trial balance
CO4	Identify the profit and loss of a concern
CO5	Estimate the elements of costing

Course Name: ADVANCED LEARNERS COURSE II (A) INTERIOR DESIGNING
Course Code: 21UASAL509

CO1	Understand the concept of Interior design
CO2	Classify the types of design
CO3	Identify and apply the elements of design
CO4	Application of principles of design
CO5	Understand the motif and interior designers

Course Name: ADVANCED LEARNERS COURSE II (B): ECO TEXTILES

Course Code: 21UASAL510

CO1	Classify eco-friendly textile fibers and outline newer fibre and its properties.
CO2	Understand about sustainable textiles
CO3	Summarize the eco-friendly processing of textiles
CO4	Infer the natural resources for eco-friendly dyeing, printing and mordanting.
CO5	Analyze the eco fashion and standards.

SEMESTER VI

Course Name: CORE XI: TEXTILE TESTING AND QUALITY CONTROL

Course Code: 21UASCT601

CO1	Identify the quality concepts, characters and importance of quality control in textile industry
CO2	Understand the quality parameters of textiles and clothing
CO3	Analyze the quality control and standards for Accessories and garment making
CO4	Examine quality control in packing and labeling
CO5	Aware of the quality standards and management system

Course Name: CORE PRACTICAL IX: MEN'S APPAREL

Course Code: 21UASCP602

CO1	Identify the suitable material's for men's apparel construction
CO2	Develop knowledge on men's garment designing and pattern making
CO3	Analyze the suitable layout method
CO4	Apply the latest trend in garment construction
CO5	Understand and apply the suitable fasteners for garments

Course Name: PROJECT: FASHION PORTFOLIOS

Course Code: 21UASCV603

CO1	Infer the concepts of fashion portfolios
CO2	Understand the skills in making mood boards
CO3	Analyze and create design styles for various themes
CO4	Evaluate new insights through universal coloring system and fabric textures
CO5	Apply the innovative design collections based on selected themes

Course Name: ELECTIVE II (A) : FASHION PHOTOGRAPHY

Course Code: 21UASET604

CO1	Understand the basics of photography and its types
CO2	Identify the functions and elements of camera
CO3	Analyze the video capturing and editing methods of lighting
CO4	Develop professional photographs using various techniques and methods of photo shoot
CO5	Create fashion photographs and videos and present the same effectively in medias

Course Name: ELECTIVE II (B) : APPAREL PRODUCTION MANAGEMENT

Course Code: 21UASET605

CO1	Identify the basic concepts of Apparel Production
CO2	Summarize the factors involved in Production planning
CO3	Demonstrate the methods of Production systems
CO4	Analyze and interpret the role of Garment assembly
CO5	Understand the techniques in Apparel quality management

Course Name: ELECTIVE II (C) : BUSINESS FINANCE

Course Code: 21UASET606

CO1	Analyze and interpret the concept and scope of finance
CO2	Describe the objectives and steps in business finance
CO3	Develop capital and type of finance used in business
CO4	Perceive the cost and earning theory
CO5	Calculate costing for individual and composite cost of finance

Course Name: ELECTIVE III (A): BEAUTY CARE PRACTICAL
Course Code: 21UASEP607

CO1	Understand and Maintain personal beauty and hygiene
CO2	Demonstrate nail services including manicure and pedicure
CO3	Develop basic skin care services including skin analysis, bleaching and facial
CO4	Illustrate the basic hairstyles
CO5	Analyze and perform hair care service

Course Name: ELECTIVE III (B) : EXPORT MANAGEMENT
Course Code: 21UASET608

CO1	Interpret the Knowledge on International trade
CO2	Identify the method of pricing your product
CO3	Simulate payment options, including letter of credit
CO4	Understand the export process
CO5	Identify the various export promotion organizations

Course Name: ELECTIVE III(C) : APPAREL QUALITY MANAGEMENT
Course Code: 21UASET609

CO1	Understand the concept of testing and inspection, and the various standards followed in testing textiles.
CO2	Build knowledge on testing method for assessing fabric quality
CO3	Infer the use of quality assessment of trims and accessories
CO4	Analyze the in-process inspection during apparel production, various defects occurred and their causes
CO5	Understand the Environmental policies

Course Name: Skill Based Practical IV: CAD in Textile Design
Course Code: 21UASSP610

CO1	Illustrate various weaves and colour combinations
CO2	Apply practical knowledge on creation of designs
CO3	Experiment with tools for creating Jacquard weaves
CO4	Understand the basics of Adobe Illustrator
CO5	Describe the role of Illustrator in dress design

KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Nanjanapuram, Erode - 638 107

DEPARTMENT OF PHYSICS

FOR THE CANDIDATES ADMITTED DURING THE ACADEMIC YEAR
2021-2022 AND ONWARDS

Course Outcomes (CO): On completion of the course, students should be able to
COURSE: CORE VII: MATHEMATICAL PHYSICS AND CLASSICAL MECHANICS
COURSE CODE: 21UAOCT501

CO1	Correlate the principles of curl and divergence in practical applications
CO2	Understand the concept of different coordinate systems
CO3	Gain insight over the requirement of matrices
CO4	Develop their views in Newtonian mechanics
CO5	Evaluate the applications of Hamiltonian formalism

COURSE: CORE VIII: SOLID STATE PHYSICS
COURSE CODE: 21UAOCT502

CO1	Evoke the basics of crystal systems
CO2	Understand the types of defects in crystals
CO3	Apply the knowledge of magnetic properties in different theories of magnetism
CO4	Expand the views in the phenomenon of superconductivity
CO5	Evaluate the principles of optoelectronic devices

COURSE: CORE IX: ANALOG ELECTRONICS
COURSE CODE: 21UAOCT503

CO1	Reminisce the concepts of diodes
CO2	Expand the principles of diodes to transistors
CO3	Relate the applications of active components in amplifiers and oscillators
CO4	Analyse the usage of passive components in clippers and clampers
CO5	Estimate the application of op-amp in mathematical operations

COURSE: CORE X: NUCLEAR PHYSICS

COURSE CODE: 21UAOCT504

CO1	Recall the basics of nuclei and study the models of nuclear structure
CO2	Understand the mechanism of accelerators
CO3	Aware the meaning of radioactivity and understand its origin
CO4	Expand the views in discriminating fission and fusion
CO5	Assess the origin of elementary particles

ELECTIVE I (A) - FIBER OPTICS AND FIBER OPTIC COMMUNICATION SYSTEMS

COURSE CODE: 21UAOET505

CO1	Understand the fibre classification
CO2	Test the cables during installation of cable based on cable selection criteria
CO3	Analyze the attenuation and dispersion in an optical fibre
CO4	Analyze various fibre optical sources and detectors
CO5	Use the knowledge to make varied links

ELECTIVE I (B) - FUNDAMENTALS OF NANOSCIENCE AND NANOTECHNOLOGY

COURSE CODE: 21UAOET506

CO1	Cognize the properties of nanomaterials and its applications
CO2	Understand the concepts of carbon Nanotubes and its structures
CO3	Develop the view of nanostructures in different functional substances
CO4	Analyze the dimensions of nanostructures
CO5	Evaluate the nano mechanical systems and devices

ELECTIVE I (C) - PHYSICS OF MATERIALS

COURSE CODE: 21UAOET507

CO1	Attain the basic ideas of properties of materials and types of bonding
CO2	Understand the concepts of thermal and electrical conductivity
CO3	Aware of different types of polarisation
CO4	Obtain the knowledge of utilization of semiconductors
CO5	Exposed to new smart materials

COURSE: SKILL BASED COURSE III: OFFICE AUTOMATION

COURSE CODE: 21UAOST508

CO1	Cognize the basics of computer and networks in computers
CO2	Understand the formatting styles in Ms word
CO3	Develop the working knowledge in Ms Excel
CO4	Exposed to the creation and formation of Database
CO5	Execute power point presentation effectively

COURSE: CORE XI: ATOMIC PHYSICS AND SPECTROSCOPY

COURSE CODE: 21UAOCT601

CO1	Recognize cathode rays, positive rays and atomic models
CO2	Infer the basic ideas of quantum numbers and spatial quantization
CO3	Implement the application of X-rays in determining the crystal structures
CO4	Comprehend various photoelectric cells
CO5	Evaluate the influence of electric and magnetic field in spectral line splitting

COURSE: CORE XII: QUANTUM MECHANICS AND RELATIVITY

COURSE CODE: 21UAOCT602

CO1	Acquire the knowledge of wave nature of matter and its experimental verification
CO2	understand Heisenberg uncertainty principle and apply it to verify problems in atomic and nuclear Physics
CO3	Identify the reason behind various physical problems using relativity and solve them
CO4	Understand Special Theory of Relativity
CO5	Exposed to General Theory of Relativity

COURSE: CORE PRACTICAL - III GENERAL PRACTICAL

COURSE CODE: 21UAOCP603

CO1	Recognize the principles of diffraction in experimental situations
CO2	Explore the relation between theory and experiment
CO3	Apply the knowledge of mechanics in real time applications
CO4	Analyse the impact of Bandgap in conducting process
CO5	Estimate the principle involved in determining the wavelength of laser source

COURSE: CORE PRACTICAL - IV ELECTRONICS PRACTICAL

COURSE CODE: 21UAOCP604

CO1	Recollect the principles of semiconductors and evaluate its validation in practicals
CO2	Understand the applications of logic gates in logic circuits
CO3	Implicate the ideas of theory in constructing the circuits
CO4	Investigate the basic programming of 8085 microprocessor
CO5	Review the instruments in wide variety of applications

COURSE: PROJECT**COURSE CODE: 21UAOCV605**

CO1	Identify the possible areas of research
CO2	Understand the demand of research and survey previous literature
CO3	Identify the problem and design sequences
CO4	Analyze simple experimental techniques
CO5	Design a new device/ study new concept related to Physics Research

ELECTIVE II (A) - NON-DESTRUCTIVE TESTING**COURSE CODE: 21UAOET606**

CO1	Classify various testing methods
CO2	Understand the procedures of Thermography, eddy current testing method, ultrasonic and acoustic emission testing.
CO3	Analyze testing techniques such as Fluoroscopy, Xerography, Computed Radiography and Computed Tomography
CO4	Analyze the instrumentation of testing methodologies
CO5	Evaluate the quality of different metals and alloys by Non- Destructive procedures

ELECTIVE II (B) - COMMUNICATION SYSTEM**COURSE CODE: 21UAOET607**

CO1	Evoke the basic concepts of communication systems
CO2	Understand the essential principles of antennas
CO3	Apply the knowledge to generate microwaves
CO4	Explore amplitude and frequency modulation
CO5	Evaluate the differences between AM and FM receivers

ELECTIVE II (C) - DIGITAL ELECTRONICS

COURSE CODE: 21UAOET608

CO1	Recollect number systems and binary codes
CO2	Implement logic gates in arithmetic circuits
CO3	Resolve the usage of flip-flops as counters and registers
CO4	Investigate flip-flops in converters
CO5	Explore semiconductor memories

ELECTIVE III (A) - PYTHON FOR PHYSICS

COURSE CODE: 21UAOET609

CO1	Installation and running simple python calculators can be done
CO2	Represents the structure of list and loops
CO3	Working with functions and dictionaries are applied
CO4	Comprehends the concepts of modules and files
CO5	Knowledge of working with NumPy and SciPy are created

ELECTIVE III (B) - BIO-PHYSICS

COURSE CODE: 21UAOET610

CO1	Understand Structure of Biomolecules
CO2	Understand the Biological significance of diffusion
CO3	Analyse Biological significance of adsorption and colloids
CO4	Analyse Optical Techniques in Biological Studies
CO5	Cognize the principles behind Bioelectricity

ELECTIVE III (C) - BIOMEDICAL INSTRUMENTATION**COURSE CODE: 21UAOET611**

CO1	Evoke the functions of human physiological systems
CO2	Comprehend the various types of electrodes
CO3	Expand the knowledge in the field of transducers
CO4	Analyse the various resources of Biopotential recorders
CO5	Evaluate the advances in biomedical instrumentation

SKILL BASED COURSE IV – PRACTICAL OFFICE AUTOMATION & PYTHON PROGRAMMING FOR PHYSICS**COURSE CODE: 21UAOSP612**

CO1	Recall the theory in document preparation
CO2	Gain the practical knowledge in excel
CO3	Develop basic programming skill in Python
CO4	Analyse the programming structure of Python language
CO5	Evaluate Physics concepts by executing Python programs

ADVANCED LEARNERS COURSE II (A): ENERGY PHYSICS**COURSE CODE: 21UAOAL509**

CO1	Understand the heating effect of current and application of it.
CO2	Select the correct material for making a waveguide based on basic optical laws.
CO3	Understand Maxwell's law of equipartition of energy
CO4	analyze the distribution of energy in the thermal spectrum
CO5	calculate effective utilization of solar radiation, power in the wind and tidal energy

ADVANCED LEARNERS COURSE II (B): OPTOELECTRONICS
COURSE CODE: 21UAOAL510

CO1	Describe basic laws and phenomena that define behaviour of optoelectronic devices
CO2	Describe the development and application of optoelectronic systems
CO3	Analyse LED and Organic LEDs
CO4	Interpret the acquired data and measured results.
CO5	Analyse various photodetectors and photoconductive cells

DEPARTMENT OF PSYCHOLOGY

Programme: B.sc Psychology

SEMESTER V AND VI

SEMESTER V

COURSE NAME: CORE XI: SOCIAL PSYCHOLOGY I

COURSE CODE: 21UAVCT501

CO 1	To understand the key substantive content of the field of social psychology
CO 2	Use existing knowledge and concepts to identify the causes of the social behavior
CO 3	Develop the abilities to analysis regarding the principles of social behavior
CO 4	Able to evaluate empirical findings to explain, predict, and influence behavior.
CO 5	Remember the ethics in social psychology research

COURSE NAME: CORE XII: INDUSTRIAL OR ORGANIZATIONAL PSYCHOLOGY I

COURSE CODE: 21UAVCT502

CO 1	To analyze the psychological principles influence behavior in the workplace.
CO 2	Evaluate individual behavior in the workplace as influenced by personality, values, perceptions, and motivations.
CO 3	Understand the management style as it relates to influencing and managing behavior in work settings.
CO 4	Create modules to enhance group dynamics, communication, and leadership.
CO 5	Apply relevant contemporary theories, concepts and models to analyze real life management situations.

COURSE NAME: CORE XIII: HEALTH PSYCHOLOGY

COURSE CODE: 21UAVCT503

CO 1	To understand the effects of bio, psycho and social factors on a person's health.
CO 2	Knowledge about research in health psychology and critically evaluate the key studies.
CO 3	Apply health psychology theories and research findings to address health-related issues.
CO 4	Analysis the effects of health status and changes in health based on a person's emotions, thinking, and behavior.
CO 5	Create the healthy relationship and to understand health compromising behaviors.

COURSE NAME: CORE XIV: PRACTICAL III- EXPERIMENTAL PSYCHOLOGY III

COURSE CODE: 21UAVCP504

CO 1	To become proficient in measuring social dimensions of human behavior
CO 2	To become proficient in measuring personality tests
CO 3	To become proficient in measuring memory and learning aspects of human behavior
CO 4	To become proficient in measuring individual's aspiration
CO 5	To become proficient in measuring tests related to imagination

COURSE NAME: ELECTIVE I/ MOOC COURSES- CONSUMER BEHAVIOR

COURSE CODE: 21UAVET505

CO 1	To understand consumer behavior in an informed and systematic way.
CO 2	To analyses personal, socio-cultural, and environmental dimensions related to consumer behavior.
CO 3	To enable students in designing and evaluating the marketing strategies.
CO 4	Application of market research in framing effective marketing strategies.
CO 5	Analyze the major stages which consumers usually go through when making a Consumption.

COURSE NAME: ELECTIVE I/ MOOC COURSES- SPORTS PSYCHOLOGY

COURSE CODE: 21UAVET506

CO 1	To apply psychological techniques and strategies to enhance performance in sport
CO 2	Evaluate research in sport psychology and psychological factors related to performance
CO 3	Apply sport psychology theories and research that best fit different performance
CO 4	Evaluate the effectiveness of their work with individuals in sport, exercise, and performance psychology
CO 5	Create a method to work with clients in sport, exercise, and performance psychology

COURSE NAME: SKILL BASED SUBJECT III- LIFE SKILL DEVELOPMENT

COURSE CODE: 21UAVST508

CO 1	To Identify, understand, and apply contemporary theories of leadership.
CO 2	Understand the communication process, its benefits and challenges.
CO 3	Create strategies to work with others to achieve specific goals.
CO 4	Explore, understand, and lead, guided by the values of self-awareness.
CO 5	Evaluate and improve upon presentation skills strengths and weaknesses.

COURSE NAME: ADVANCE LEARNERS COURSE II (A) FUNDAMENTALS OF PSYCHOTHERAPIES

COURSE CODE: 21UAVAL509

CO 1	Highlight the Role and Ethics of a Counselor in Psychotherapeutic setting.
CO 2	Understand the basics of Psycho therapeutic Approaches like Psychoanalytic, Behavior, Gestalt, Existential and Transactional Analysis.
CO 3	Quote the important concepts of Post Modern Therapies.
CO 4	Practice the basics of Psycho therapeutic Approaches.
CO 5	Analyse the value of therapy in treatment of mental illness.

COURSE NAME: ADVANCE LEARNERS COURSE II (B) PSYCHOLOGY OF EXCEPTIONAL CHILDREN

COURSE CODE: 21UAVL510

CO 1	Understand The various disabilities, the problems of labeling and the special education provided for the exceptional children.
CO 2	Describe The nature and types of hearing and visual impairment and its intervention strategies,
CO 3	Explain The characteristics, causes, assessment methods learning disability
CO 4	Understand the various types, assessments and treatment methods for exceptional children.
CO 5	Understand the concept, objectives and types of Special Education.

SEMESTER VI

COURSE NAME: CORE XV: SOCIAL PSYCHOLOGY II

COURSE CODE: 21UAVC T601

CO 1	Define the basic concepts under social influence.
CO 2	Outline various factors associated with aggressive tendencies of a person.
CO 3	Identify the dynamics of close relationships in an individual.
CO 4	Identify the extent of individual contribution towards the group success.
CO 5	Examine the effectiveness of various leadership styles.

COURSE NAME: CORE XVI: INDUSTRIAL OR ORGANIZATIONAL PSYCHOLOGY II

COURSE CODE: 21UAVCT602

CO 1	Define the motivation and job satisfaction.
CO 2	Outline the various components of job involvement.
CO 3	Identify the stress in the workplace.
CO 4	Identify the various aspects of scientific management.
CO 5	Examine the effectiveness of leadership styles.

COURSE NAME: CORE XVII: PRACTICAL IV- EXPERIMENTAL PSYCHOLOGY IV

COURSE CODE: 21UAVCT603

CO 1	To asses and interpret the thinking of an individual.
CO 2	To assess the various social skills of an individual.
CO 3	To analyze the counseling skills
CO 4	To evaluate the intelligence of an individual
CO 5	To analyze the ability of an individual

COURSE NAME: ELECTIVE II: HUMAN RESOURCE MANAGEMENT

COURSE CODE: 21UAVET604

CO 1	To understand the current theory and practice of recruitment, selection, Performance appraisal and training.
CO 2	Evaluate the role of recruitment and selection in relation to the organization's Business.
CO 3	Analyze the key issues related to administering the human elements.
CO 4	Apply advanced training strategies and specifications for the delivery of training programs.
CO 5	To create a unique selection strategy for a specific job.

COURSE NAME: ELECTIVE II: GUIDANCE AND COUNSELLING SERVICES

COURSE CODE: 21UAVET605

CO 1	Define the meaning and types of guidance.
CO 2	Outline the various testing and non – testing devices.
CO 3	Identify the need and principles of personal guidance.
CO 4	Identify the importance of guidance services.
CO 5	Examine the general issues and current trends.

COURSE NAME: ELECTIVE II: PSYCHOLOGY AND GENDER ISSUES

COURSE CODE: 21UAVET606

CO 1	Define the meaning and concepts of gender.
CO 2	Outline the theories of Gender Development.
CO 3	Identify the Perspectives on marital interaction.
CO 4	Analyze the importance of Victimization issues.
CO 5	Examine the Women and the Criminal Justice System.

COURSE NAME: ELECTIVE III-ENVIRONMENTAL PSYCHOLOGY

COURSE CODE:21UAVET607

CO 1	Understand the research methods in environmental psychology
CO 2	Outline the ecology and development.
CO 3	Identify the effect of environment on behavior.
CO 4	Identify the importance of saving the environment.
CO 5	Examine the specific environmental problems.

COURSE NAME: ELECTIVE III-FORENSIC PSYCHOLOGY

COURSE CODE:21UAVET608

CO 1	Define the meaning and origins of legal psychology.
CO 2	Outline the strength and validity of the evidence.
CO 3	Identify the psychology of confession.
CO 4	Analyze the Profiling criminals from the crime scene.
CO 5	Examine the offending behavior programs.

COURSE NAME: ELECTIVE III-PSYCHOLOGY OF ADJUSTMENT

COURSE CODE:21UAVET609

CO 1	Define the meaning and types of Adjustment.
CO 2	Outline the negative emotions and adjustment.
CO 3	Identify the Social and Psychology of Adjustment.
CO 4	Identify the importance of quality of life.
CO 5	Examine the methods to cope stress.

COURSE NAME: SKILL BASED SUBJECT IV-PERSONALITY ASSESSMENT

COURSE CODE: 21UAVST610

CO 1	Define the fundamental concepts of personality assessment
CO 2	Classify the various scales of self – report.
CO 3	Identify the various assessment tools available under clinical disorders
CO 4	Identify the various performance-based measures.
CO 5	Examine various interest, ability and aptitude scales used for career-based assessments

KONGU ARTS AND SCIENCE COLLEGE (Autonomous),

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DEPARTMENT OF CATERING SCIENCE & HOTEL MANAGEMENT

SEMESTER: V

Programme: B.Sc CSHM

COURSE NAME: FOOD AND BEVERAGE MANAGEMENT

COURSE CODE: 21UATCT501

On completion of the course, students should be able to

CO1	Will understand the basic knowledge of food and beverage functions
CO2	Shall epitomize the concept of purchasing and receiving
CO3	Will know the food and beverage control
CO4	Can analyze the techniques in breakeven analysis
CO5	Shall know the menu engineering and menu merchandising.

COURSE NAME: FOOD PRODUCTION - V

COURSE CODE: 21UATCT502

CO1	Will understand the kitchen management system
CO2	Shall epitomize the knowledge of larder
CO3	Will know the essence of aspics & jellies
CO4	Can analyze techniques for cold meats
CO5	Shall know the food presentation and garnishes.

COURSE NAME: CORE PAPER XIII: FOOD AND BEVERAGE SERVICE - V

COURSE CODE: 21UATCT503

CO1	Will have a basic knowledge of Gueridon services
CO2	Will understand the concept of function catering
CO3	Shall understand the knowledge about banquets
CO4	Can enrich their knowledge in Outdoor catering
CO5	Will have a basic knowledge of budgeting and budgeting control

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DEPARTMENT OF CATERING SCIENCE & HOTEL MANAGEMENT

COURSE NAME: PRINCIPLES OF MANAGEMENT

COURSE CODE: 21UATET504

CO1	Will understand introduction to the management
CO2	Shall epitomize planning
CO3	Will know the organizing types
CO4	Can learning directing methods
CO5	Shall be responsive of the controlling concept

COURSE NAME: CUSTOMER RELATIONSHIP MANAGEMENT

COURSE CODE: 21UATET505

CO1	To be aware of the nuances of customer relationship
CO2	To analyze the CRM link with the other aspects of marketing
CO3	To impart the basic knowledge of the Role of CRM in increasing the sales of the company
CO4	To make the students aware of the different CRM models in service industry
CO5	To make the students aware and analyze the different issues in CRM.

COURSE NAME: HUMAN RESOURCE MANAGEMENT

COURSE CODE: 21UATET506

CO1	Will understand HR functions and organization.
CO2	Analyze the process of HR planning.
CO3	Can explore the recruitment process
CO4	Shall epitomize training and development
CO5	Be aware of the motivation and its importance

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DEPARTMENT OF CATERING SCIENCE & HOTEL MANAGEMENT

COURSE NAME: CORE PRACTICAL: FOOD PRODUCTION - III

COURSE CODE: 21UATCP507

CO 1	Attain basic knowledge about Indian foods.
CO 2	Acquire good knowledge in Indian gravies.
CO 3	Gain knowledge in the preparation of Indian breakfast and snacks.
CO 4	Enrich their skills and knowledge in breads and rice varieties.
CO 5	Possess a thorough knowledge in the preparation of popular dishes of India

COURSE NAME: CORE PRACTICAL: FOOD AND BEVERAGE SERVICE - III

COURSE CODE: 21UATCP508

CO 1	Know the wine service procedures and its classification.
CO 2	Attain practical ability in the service of spirits.
CO 3	Know the legal responsibilities followed in serving alcohol.
CO 4	Understand about the various cocktail making methods.
CO 5	Enrich their skills in garnish and presentation of drinks.

COURSE NAME: SKILL BASED: BAR MANAGEMENT PRACTICALS

COURSE CODE: 21UATSP509

CO 1	Will know how to compile an alcoholic beverage list.
CO 2	Shall understand about the various cocktail making methods.
CO 3	Understand the basic knowledge of serving alcohol.
CO 4	Observe the establishment conventions in service of beverages.
CO 5	Can enrich their skills in speciality coffee.

COURSE NAME: ADVANCED LEARNING COURSE II: EVENT MANAGEMENT

COURSE CODE: 21UATAL510

CO 1	Will have a basic knowledge of event management
CO 2	Will understand the concept of planning events.
CO 3	Shall understand the knowledge about event marketing.
CO 4	Can enrich their knowledge in public relations.
CO 5	Will have a basic knowledge of various event programmes.

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DEPARTMENT OF CATERING SCIENCE & HOTEL MANAGEMENT

COURSE NAME: ADVANCED LEARNING COURSE II: HOTEL LAW

COURSE CODE: 21UATAL511

CO 1	Will have a basic knowledge of hotel classification.
CO 2	Will understand the laws for alcoholic beverages.
CO 3	Shall understand the knowledge about wage and labour act.
CO 4	Can enrich their knowledge in consumer protection laws.
CO 5	Will have a basic knowledge of safety measurements.

SEMESTER: VI

COURSE OUTCOME: On completion of the course, students should be able to

COURSE NAME: INDUSTRIAL EXPOSURE TRAINING REPORT

COURSE CODE: 21UATIT01

CO 1	Expose the students to actual working environment.
CO 2	Enhance their knowledge and skills from what they have learned in the college.
CO 3	Learn technical skills from the Industrial experts.
CO 4	Instill the good qualities of integrity, responsibility and self confidence.
CO 5	Preparing the student for a professional career