

RCS-2026

NEHRU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution affiliated to Bharathiar University)
(Reaccredited with “A+” Grade by NAAC, ISO 9001:2015 & 14001:2004 Certified
Recognized by UGC with 2(f) & 12(B), Under Star College Scheme by DBT, Govt. of India)
Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu.

BACHELOR OF BUSINESS ADMINISTRATION

B. B. A. AVIATION MANAGEMENT



EFFECTIVE FROM 2026 – 2027

CURRICULUM



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SCHOOL OF MANAGEMENT

B. B. A. AVIATION MANAGEMENT

PROGRAMME EDUCATIONAL OBJECTIVES

PEO 1	Demonstrate competency across business and aviation management disciplines by applying core business principles, analytical tools, and digital technologies to analyze problems and develop effective solutions in aviation and related service environments.
PEO 2	Exhibit a high level of professionalism, communication, teamwork, and leadership skills while applying research-based knowledge to address real-world aviation industry challenges through industry–institute interaction.
PEO 3	Apply ethical values, interpersonal skills, and social responsibility in aviation practices, contributing to society through safe, sustainable, and responsible aviation operations and research.
PEO 4	Utilize critical thinking and analytical reasoning to evaluate aviation scenarios, apply appropriate models, and generate innovative and entrepreneurial solutions for effective decision-making.
PEO 5	Engage in lifelong learning and demonstrate adaptability to dynamic aviation environments, global trends, and technological advancements for continuous professional development.



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SCHOOL OF MANAGEMENT

B. B. A. AVIATION MANAGEMENT

BATCH 2026 – 2029

PROGRAMME OUTCOMES

PO 1	Disciplinary Knowledge and Research Competence: Apply comprehensive knowledge of business disciplines along with domain-specific understanding and research skills to analyze and solve business problems effectively.
PO 2	Critical Thinking, Creativity and Problem Solving: Demonstrate critical thinking and analytical ability to evaluate situations, generate innovative ideas, and develop practical solutions in dynamic business environments.
PO 3	Digital and Technical Proficiency: Utilize appropriate digital technologies, information systems, and analytical tools to enhance decision-making and business operations.
PO 4	Communication Skills: Communicate effectively in oral, written, and digital forms with diverse stakeholders in professional and global contexts.
PO 5	Teamwork, Collaboration and Leadership: Work collaboratively in teams and demonstrate leadership skills to achieve organizational goals in multidisciplinary and multicultural environments.
PO 6	Ethics and Social Responsibility: Apply ethical principles and demonstrate social responsibility in professional practices, contributing to sustainable development and societal well-being.
PO 7	Global Perspective and Entrepreneurial Skills: Analyze business issues from a global perspective and demonstrate entrepreneurial mindset, innovation, and adaptability in diverse business contexts.
PO 8	Lifelong Learning and Adaptability: Engage in continuous learning and adapt to changing business environments, technological advancements, and global trends for professional growth.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO 1	Apply business and aviation management principles in airline, airport, and aviation service operations.
PSO 2	Analyze aviation industry challenges using appropriate tools for decision-making in dynamic environments.
PSO 3	Demonstrate effective communication, customer service, and interpersonal skills in aviation contexts.
PSO 4	Apply safety, security, and ethical practices in aviation operations ensuring regulatory compliance.
PSO 5	Adapt to global aviation trends, technological advancements, and dynamic industry requirements for professional growth.

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SCHEME

SEMESTER I

B. B. A. AVIATION MANAGEMENT



EFFECTIVE FROM 2026 – 2027



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LOCF - Scheme of Examination

Programme: B. B. A. Aviation Management

Programme Code: UBV

(Applicable to the students admitted during the Academic year 2026-2027 onwards)

Semester	Part	Sub. Code	Name of the Subject	Instruction hours / Week	Duration of Examination	Examination Marks			Credits
						CIA	ESE	Total	
I	I	26U1TAM101/ 26U1HIN101/ 26U1MAL101/ 26U1FRN101	AEC I: Elanthamizh / Rachnathmak Hindi/ Kadha, Samskaaram, Vivarthanam/ Français general – I	4	3	20	55	75	3
	II	26U2ENG101	AEC II: Professional English – I	4	3	20	55	75	3
	III	26U3BMC101	DSC I: Principles of Management	5	3	25	75	100	4
		26U3BVC102	DSC II: Fundamentals of Aviation Management	4	3	25	75	100	4
		26U3BMP103	DSC III: Office Automation Practical	5	3	40	60	100	4
		26U3MDA101/ 26U3MDA102	GEC I	5	3	20	55	75	3
	IV	26U4ENV101	AEC III: Environmental Studies	1	3	50	-	50	2
		26U4BCS102	AEC IV: Introduction to Cyber Security	1	2	25	-	25	1
		26U4HVV201	VAC I: Human Values and Yoga Practice	1	-	-	-	-	-
				30				600	24

Generic Elective Course (GEC)

Elective Paper	Course Code	Group	Subject
GEC I	26U3MDA101	A	Mathematics for Management – I
	26U3MDA102	B	Managerial Mathematics – I

BoS Chairman

Dr. T. SUDHA
BoS Chairman

Department of Business Administration
Nehru Arts and Science College (Autonomous)
Thirumalayampalayam, Coimbatore - 641 105.



Principal

PRINCIPAL

NEHRU ARTS AND SCIENCE COLLEGE
(Autonomous)
Nehru Gardens, Thirumalayampalayam,
Coimbatore, Tamil Nadu, India - 641 105

SYLLABUS

Course Code		Title		
26U1TAM101		AEC I : Elanthamizh - இளந்தமிழ்		
Semester : I		Credits : 3	CIA : 20 Marks	ESE : 55 Marks
(Common to All UG Programmes)				
Course Objective		மொழி இலக்கியத்தின் வாயிலாக அறம்சார் பண்பு மற்றும் ஆளுமை மிக்க மாணவர்களை உருவாக்குதல்.		
Course Category		Skill Development (மாணவர்களின் மொழித்திறனை ஊக்குவித்தல்)		
Development Needs		Regional (உலக அளவில் தமிழ் மொழியின் அவசியத்தை உணர்த்துதல்)		
Course Description		மாணவர்களின் மொழித்திறனை ஊக்குவித்தல் மற்றும் உலக அளவில் தமிழ் மொழியின் அவசியத்தை உணர்த்துதல்		
Course Outcomes			BTL	Assessment Methods
CO1	மாணவர்களின் மொழித்திறனை ஊக்குவித்தல் மற்றும் உலக அளவில் தமிழ் மொழியின் அவசியத்தை உணர்த்துதல்		K3	Assignment
CO2	சங்க இலக்கியங்கள் வாயிலாக சமூகச் சீர்திருத்தச் சிந்தனைகள் பெறப்படும்.		K4	
CO3	அற இலக்கியங்களின் வழி தமிழர்களின் வாழ்வியல் பண்புகளைக் கற்று அறிதல்		K3	Group Project
CO4	பெண்ணியக் கவிஞர்களின் படைப்புத் திறனை மாணவர்களுக்கு உணர்த்துதல்		K3	Quiz
CO5	மாணவர்களின் மொழித்திறனை ஊக்குவித்தல் மற்றும் உலக அளவில் தமிழ் மொழியின் அவசியத்தை உணர்த்துதல்		K4	
Offered by : தமிழ்த்துறை			SDG : 3,4, 5	
Course Content			Instructional Hours / Week : 4	
Unit	Description		Text Book	Chapters
I புதுக்கவிதை	1. அப்துல் ரகுமான் - உழவர்களைப் பாடுவோம் 2. மு.மேத்தா - தேசப்பிதாவுக்கு ஒரு தெருப் பாடகனின் அஞ்சலி! 3. சிற்பி - ஓடும் வரலாறு 4. வைரமுத்து - அம்மா 5. பழனி பாரதி - காடு		1	1 - 5
Instructional Hours			12	
Learning Activity : மாணவர்களுக்கு புதுக்கவிதை எழுதும் திறனை ஊக்குவித்தல்				
II அற இலக்கியம்	1. அறன் வலியுறுத்தல் - 31- 40 குறட்பாக்கள் 2. புகழ் - 231 - 240 குறட்பாக்கள் 3. வாய்மை - 291 - 300 குறட்பாக்கள் 4. நாலடியார் - பொருட்பால் - (கூடா நட்பு 1-10) 5. நான்மணிக்கடிகை - முதல் ஐந்து பாடல்கள்		1	6 - 10
Instructional Hours			12	
Learning Activity : கலந்துரையாடல்				

Verified by Chairman

Course Code		Title		
26U1HIN101		AEC I : Rachnathmak Hindi (रचनात्मक हिंदी)		
Semester : I		Credits : 3	CIA : 20 Marks	ESE : 55 Marks
(Common to all UG Programmes)				
Course Objective		हिंदी भाषा का अच्छा ज्ञान प्राप्त करने के लिए।		
Course Category		Skill Development		
Development Needs		Regional		
Course Description		Improves Accuracy & Quality, Improves Communication Skills		
Course Outcomes			BTL	Assessment Methods
CO 1	कविता से रचनात्मकता का विकास होता है। यह हमारे आसपास की दुनिया को समझने में भी मदद करता है।		K3	Assignment
CO 2	कहानियाँ छात्रों की कल्पना और जिज्ञासा को जगाने में मदद करती हैं।		K3	
CO 3	लोकोक्तियाँ और मुहावरे सीखने से सांस्कृतिक, ऐतिहासिक ज्ञान और अभिव्यक्ति में निखार आ जाता है। शब्द युग्म और भिन्नार्थक शब्दों की चयन करने से उच्चारण का महत्व बढ़ते हैं और संदर्भ के अनुसार सही शब्द चयन करने से कई क्षमता विकसित होती हैं		K3	Seminar
CO 4	व्याकरण हिंदी भाषा को सही ढंग से बोलने, लिखने और समझने में मदद करता है। विज्ञापन लेखन और कहानी लेखन छात्रों को उनके रचनात्मक लेखन और कल्पना शक्ति को विकसित करने में मदद		K4	Quiz
CO 5	अनुवाद सभी लोगों के बीच प्रभावी संचार को सक्षम बनाता है।		K3	
Offered by: Hindi			SDG: 3,4,5	
Course Content			Instructional Hours / Week: 4	
Unit	Description		Text Book	Chapters
I	कविताएँ: अज्ञेय: मैंने कहा, पेड़ अनामिका: बेजगह जयप्रकाश कर्दन: मेरी अधिकार कहाँ हैं ?		1	3
Instructional Hours				12
Learning Activity : Visual Learning				
II	कहानियाँ: मृदुला गर्ग: हरी बिंदी जयशंकर प्रसाद: छोटा जादूगर महादेवी वर्मा: बिंदा		1	3
Instructional Hours				12
Learning Activity : Visual Learning				

III	1. लोकोक्तियाँ और मुहावरे 2. शब्दयुग्म और भिन्नार्थक शब्दों की चयन	1	2										
Instructional Hours			12										
Learning Activity : Comprehensive writing													
IV	1. अनुप्रयुक्त व्याकरण - संज्ञा, सर्वनाम, क्रिया और विशेषण की पहचान करना। 2. विज्ञापन लेखन। 3. दिए गए संकेतों से कहानी लेखन।	3	2										
Instructional Hours			12										
Learning Activity : Auditory, Visual													
V	अनुवाद : अंग्रेज़ी से हिंदी (अनुवाद अभ्यास - 3) 1 – 10 अनुच्छेद।	5	2										
Instructional Hours			12										
Learning Activity : Comprehensive writing													
Total Hours			60										
Text Books	1. दुनिया के बाजार में, गूंगा नहीं था मैं, अरी ओ करुणा प्रभामय(काव्य संग्रह) 2. (स्मृति की रेखाएँ) संस्मरण संग्रह, इंद्रजाल, हरी बिंदी(कहानी संग्रह) 3. अनुवाद अभ्यास - 3 दक्षिण भारत हिंदी प्रचार सभा, चेन्नई - 17 4. हिन्दी मुहावरे और लोकक्ति कोश-बद्रीनाथ कपूर, सरस्वती मानक हिंदी व्याकरण सरस्वती (हाउस) 5. हिंदी अंग्रेज़ी विशेषज्ञ अनुवादक - एस सी गुप्ता												
Reference Books	1. अज्ञेय- कवि और काव्य - डॉ. राजेंद्रप्रसाद, 75 कवितार्ये अनामिका – रेखा सेठ्टी, नई किताब प्रकाशन, विषाक्त हवाओं के बीच - जयप्रकाश कर्दन 2. कहानीसंग्रह - मृदुलागर्ग: हरी बिंदी सामयिक प्रकाशन, नईदिल्ली, स्मृति की रेखाएँ, जयशंकर प्रसाद ग्रंथावली 3. सत्य प्रकाश सिंह -लोकोक्तियाँ एवं मुहावरे												
Web. URLs	हिन्दी साहित्य मंच हिन्दी साहित्य का समर्पित मंच -												
Tools for Assessment (20 Marks)													
CIA I	CIA II	CIA III	Assignment	Seminar	Quiz	Total							
4	4	5	2	2	3	20							
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	M	H	M	M	M	H	H					
CO2	M	M	H	L	M	H	M	M					
CO3	H	M	M	M	M	H	M	H					
CO4	M	M	M	M	H	L	H	H					
CO5	H	H	M	M	H	M	M	M					
H-High; M-Medium; L-Low													
Course designed by							Verified by Chairman						

Course Code		Title			
26U1MAL101		AEC I : Katha, Samskaram, Vivarthanam (കഥ,സംസ്കാരം,വിവർത്തനം)			
Semester : I		Credits : 3	CIA : 20 Marks	ESE : 55 Marks	
(Common to All UG Programmes)					
Course Objective		ആധുനികകാലത്തെ മലയാളകഥകളെ കുറിച്ചും സംസ്കാരത്തെ കുറിച്ചും അവബോധം ഉണ്ടാക്കുന്നു			
Course Category		Skill Development			
Development Needs		Regional			
Course Description		Narrative Techniques, Critical appreciation, Language accuracy			
Course Outcomes			BTL	Assessment Methods	
CO 1	കഥയുടെ സംവേദനം ആസ്വാദകന്റെ അഭിരുചിയെ പൂർത്തിയാക്കുന്നു		K3	Assignment	
CO 2	ജീവിതത്തെ മഹത്വവൽക്കരിക്കുന്ന കഥാപരിസരങ്ങൾ		K3		
CO 3	സംസ്കാരത്തെകുറിച്ചുള്ള അവബോധം, സ്വാഭിമാനം		K3	Seminar	
CO 4	വിവർത്തനപരിശീലനത്തിൽ അഭിരുചി		K4	Quiz	
CO 5	ഭാഷാ സാഹിത്യവിശകലനം		K4		
Offered by : Malayalam			SDG : 3,4,5		
Course Content :			Instructional Hours / Week : 4		
Unit	Description			Text Book	Chapters
I	തിരഞ്ഞെടുത്ത കഥകൾ നഷ്ടപ്പെട്ട നീലാംബരി (മാധവിക്കുട്ടി)			1	1,2,3 & 4
Instructional Hours					12
Learning Activity : Visual Learning					
II	തിരഞ്ഞെടുത്ത കഥകൾ നഷ്ടപ്പെട്ട നീലാംബരി(മാധവിക്കുട്ടി)			1	5,6,7 & 8
Instructional Hours					12
Learning Activity : Visual Learning					
III	തിരഞ്ഞെടുത്ത കഥകൾ നഷ്ടപ്പെട്ട നീലാംബരി(മാധവിക്കുട്ടി)			2	9,10,11,12,13
Instructional Hours					12
Learning Activity : Auditory, Visual					
IV	തിരഞ്ഞെടുത്ത ലേഖനങ്ങൾ സാഹിത്യവും സംസ്കാരപഠനവും(ഇ. വി രാമകൃഷ്ണൻ)			2	1
Instructional Hours					12
Learning Activity : Auditory, Visual					

V	വിവർത്തനം പ്രായോഗികപരിശീലനം										3	1	
Instructional Hours												12	
Learning Activity : Comprehensive writing													
Total Hours												60	
Text Books	1. നഷ്ടപ്പെട്ട നീലാംബരി(മാധവിക്കുട്ടി) 2. സാഹിത്യവും സംസ്കാരപഠനവും(ഇ. വി രാമകൃഷ്ണൻ) 3. തർജ്ജമ സിദ്ധാന്തവും പ്രയോഗവും(ജയ സുകുമാരൻ)												
Reference Books	1. എംആർചുതൻ . - ചെറുകുടമ ഇന്നലെ ഇന്ന് - ഡി ബുക്സ്.സി. കോട്ടയം 2. ചെറുകുടമയുടെ ഹരസ്‌രാജകൃഷ്ണൻ മാതൃഭൂമി ബുക്സ് .വി - കോഴിക്കോട് 3. പുതിയ കഥ പുതിയ വായന - എഡി ഷീബാ ദിവാകരൻ.ഡോ : പുസ്തകലോകം പ്രസദ്ധീകരണം കോഴിക്കോട് 4. കേരള സംസ്കാരം ശ്രീധര മേനോൻ. എ - നാഷണൽ ബുക്സ് കോട്ടയം												
Web. URLs	https://sde.uoc.ac.in/sites/default/files/sde_videos/MAL3E03.pdf												
Tools for Assessment (20 Marks)													
CIA I		CIA II		CIA III		Assignment		Seminar		Quiz		Total	
4		4		5		2		2		3		20	
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	L	H	M	H	H							
CO2	M	H	H	L	H	M							
CO3	H	M	H	M	M	H							
CO4	H	M	L	M	L	H							
CO5	N	H	L	H	H	M							
H-High; M-Medium; L-Low													
Course designed by								Verified by Chairman					

Course Code		Title		
26U1FRN101		AEC I : Français général - I		
Semester : I		Credits : 3	CIA : 20 Marks	ESE : 55 Marks
(Common to All UG Programmes)				
Course Objective		To equip learners with fundamental French language skills in listening, speaking, reading, and writing, along with basic grammar, vocabulary, pronunciation, and cultural awareness, enabling them to communicate Effectively in simple everyday situations		
Course Category		Skill Development		
Development Needs		Global		
Course Description		Improved accuracy & quality, improved communication		
Course Outcomes			BTL	Assessment Methods
CO1	Recognize basic French words, greetings, and expressions.		K3	Assignment
CO2	Understand simple self-introductions and personal details.		K4	
CO3	Use basic vocabulary and present tense in simple sentences.		K3	Seminar
CO4	Examine basic sentence patterns in French.		K3	
CO5	Develop basic writing and reading skills.		K4	Quiz
Offered by		Department of FrenchSDG : 4, 10		
Course Content			Instructional Hours / Week : 4	
Unit	Description		Text Book	Chapters
I	BIENVENUE (pg 10 - 17) Grammaire: (pg 122 - 124)		1	1
Instructional Hours				12
Learning Activity : Worksheet				
II	CONTACTS (pg 18 - 28) Grammaire: (pg 125 - 128)		1	2
Instructional Hours				12
Learning Activity : Kahoot Quiz				
III	COMMUNICATION (pg 29 - 33) Grammaire: (pg 129 - 130)		1	3
Instructional Hours				12
Learning Activity : Audio & Visual				
IV	QU'EST-CEQU'ILFONT (pg 34 - 44) Grammaire: (pg 131 - 136)		1	4
Instructional Hours				12
Learning Activity : Comprehensive Writing				

V	COMMUNICATION (pg 45 - 49) Grammaire: (pg 137 - 139)										1	5	
	Instructional Hours											12	
	Learning Activity : Translating Exercises												
	UNITÉ 1, UNITÉ 2 (Pg 10 - 49)											Total Hours	60
Text Books		Nouvelle Génération A1											
Reference Books		Alter Ego											
Web. URLs		Duolingo App, SWAYAM, NPTEL											
Tools for Assessment (20 Marks)													
CIAI		CIAII		CIAIII		Assignment		Seminar		Quiz		Total	
4		4		5		2		2		3		20	
Mapping													
CO\PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	-	-	H	H	H	H	-	-	-	-	-	-	-
CO2	-	-	H	M	H	M	-	-	-	-	-	-	-
CO3	-	-	M	M	M	H	-	-	-	-	-	-	-
CO4	-	-	L	H	L	H	-	-	-	-	-	-	-
CO5	-	-	L	M	H	H	-	-	-	-	-	-	-
H-High; M-Medium; L-Low													
Course designed by								Verified by Chairman					

Course Code		Title			
26U2ENG101		AEC II : Professional English – I			
Semester : I		Credits : 3	CIA : 20 Marks	ESE : 55 Marks	
Course Objective		To strengthen English language competence through literature-based learning, grammar instruction, vocabulary development, and communicative activities, enabling effective participation in academic, professional, and social contexts.			
Course Category		Skill Development			
Development Needs		Global / National / Regional			
Course Description		This course enhances communication competence through literary studies, grammar practice, vocabulary enrichment, and writing skills for diverse contexts.			
Course Outcome				BTL	Assessment Methods
CO 1	Explain and interpret the themes, ideas, and language features of prose texts while applying parts of speech and sentence structures effectively in communication.			K3	Quiz
CO 2	Interpret poetic themes and literary devices and apply appropriate tenses, homonyms, and homophones in spoken and written communication.			K3	
CO 3	Analyze characters, plot, and narrative techniques in short stories and demonstrate effective storytelling using appropriate sentence patterns and vocabulary.			K3	Assignment
CO 4	Analyze dramatic elements in one-act plays and employ correct voice structures, idioms, and phrases in communicative contexts.			K4	Group Project
CO 5	Develop professional writing skills using appropriate language conventions.			K4	
Offered by: English				SDG: 4,8	
Course Content				Instructional Hours / Week: 4	
Unit	Description			Text Book	Chapters
I	Prose: Charles Lamb: Dream Children: A Reverie Jesse Owens: My Greatest Olympic Prize Grammar: Parts of Speech, Types of Sentence Vocabulary: Word formation (prefixes & suffixes)			1	01 - 19
Instructional Hours					12
Learning Activity: Think–Pair–Share					
II	Poetry: William Wordsworth – Solitary Reaper W. B. Yeats - The Ballad of Father Gilligan Grammar: Tenses Vocabulary: Homonyms & Homophones			1	20 - 32
Instructional Hours					12
Learning Activity: Visual Interpretation					

III	Short Story O. Henry – The Gift of Magi R K Narayan – An Astrologer’s Day Grammar: Sentence Patterns Vocabulary: Single word Substitution										1	33 - 51	
Instructional Hours											12		
Learning Activity: Story Narration													
IV	One Act Play: Saki – Villa for Sale Percival Wilde – The Hour of Truth Grammar: Voices Vocabulary: Idioms & Phrases										1	52 - 79	
Instructional Hours											12		
Learning Activity: Role Play													
V	Writing Skills Letter Writing (Formal & Informal), Email Writing, Advertisement, Report Writing and Hints Developing										1	80 - 87	
Instructional Hours											12		
Learning Activity: Mock interview													
Total Hours											60		
Text Books	Professional English I – Compiled by the department of English, NASC												
Reference Books	1. English Grammar in Use Raymond Murphy, <i>English Grammar in Use</i> , 5th Edition, Cambridge University Press, Cambridge, 2019. 2. Practical English Usage Michael Swan, <i>Practical English Usage</i> , Oxford University Press, Oxford, 2016												
Web. URLs	1. British Council Learn English: https://learnenglish.britishcouncil.org 2. Cambridge English: https://www.cambridgeenglish.org												
Tools for Assessment (20 Marks)													
CIA I	CIA II		CIA III		Group Project		Assignment		Quiz		Total		
4	4		5		2		2		3		20		
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M	L	H	L	M	M	H	M	H	H	M	H	M
CO2	M	L	H	L	M	M	H	M	H	H	M	H	M
CO3	M	L	H	L	M	M	H	M	H	H	M	H	M
CO4	M	L	H	L	M	M	H	M	H	H	M	H	M
CO5	M	L	H	L	M	M	H	M	H	H	M	H	M
H-High; M-Medium; L-Low													
Course designed by								Verified by Chairman					

Course Code	Title		
26U3BMC101	DSC I: Principles of Management		
Semester : I	Credits : 4	CIA : 25 Marks	ESE : 75 Marks
(Common to B. B. A. CA / IB / LOG / AV)			
Course Objective	To develop understanding of management principles, functions, and practices for effective organizational decision-making skills.		
Course Category	Employability		
Development Needs	Local, Regional, National and Global		
Course Description	Introduces fundamental management concepts, planning, organizing, staffing, directing, and controlling in modern business organizations.		
Course Outcomes		BTL	Assessment Methods
CO 1	Apply management concepts, functions, roles, and levels in organizational situations effectively.	K3	Assignment
CO 2	Apply planning processes and decision-making steps in business situations effectively.	K3	
CO 3	Apply organizing principles, delegation, and authority relationships within organizational structures.	K3	Case Study
CO 4	Analyze staffing processes, recruitment, training, and performance appraisal systems critically.	K4	
CO 5	Analyze directing functions, leadership styles, coordination techniques, and controlling processes.	K4	Quiz
Offered by : Business Administration		SDG : 4, 8, 9, 12	
Course Content		Instructional Hours / Week : 5	
Unit	Description	Text Book	Chap ters
I	Fundamentals of Management: Nature of Management, Management as a Science or Art or profession, Evolution of Management Thought: Contribution of F.W. Taylor, Henri Fayol and Peter F. Drucker. Functions of Management, Role, and function of Managers. Levels of Management. An overview of functional areas of Management.	1	1, 2 & 3
Instructional Hours			15
Learning Activity: Management Role Play, Concept Mapping			
II	Planning and Decision Making: Nature and purpose of Planning – Planning process – Types of Planning – Importance. Planning premises – Tools and Techniques of Planning. Forecasting and Decision Making. Decision Making - Steps and Process.	1	6 & 7
Instructional Hours			15
Learning Activity: Planning Exercises, Decision-Making Scenarios, Forecasting Practice			
III	Organising and Delegation: Types of Organisations – Organisational Structure. Span of Control – Use of Staff units and Committees. Authority and Responsibility relationships. Delegation and Centralization, Centralization and Decentralization.	2	10 & 11
Instructional Hours			15
Learning Activity: Organizational Chart Design, Delegation Role Play, Structure Analysis			

IV	Staffing and Training: Nature and Scope of Staffing, Recruitment - types. Selection process – Interview. Training – Types and Process. Performance Appraisal – Process.											2	12 & 13
Instructional Hours													15
Learning Activity: Recruitment Exercises, Training Program Design													
V	Directing and Controlling: Nature, Significance, and its principles. Leadership – Styles and Theories. Co-ordination, Techniques of Coordination. Controlling: Importance – Process of Controlling.											1	14, 15 & 16
Instructional Hours													15
Learning Activity: Leadership Role Play, Control Process Analysis													
Total Hours													75
Text Books		1. Stephen P. Robbins, Mary A. Coulter, Management, Fifteenth Edition, Pearson Education, 2021. 2. Gareth R. Jones and Jennifer M. George, Contemporary Management, Thirteenth Edition, McGraw-Hill Education, 2024.											
Reference Books		1. Harold Koontz, Heinz Weihrich and Mark V. Cannice, Essentials of Management: An International, Innovation and Leadership Perspective, Eleventh Edition, Tata McGraw-Hill, 2023. 2. L. M. Prasad, Principles and Practice of Management, Eleventh Edition, Sultan Chand & Sons, 2024.											
Web. URLs		1. https://www.coursera.org/learn/principlesofmanagement 2. https://www.mygreatlearning.com/academy/learn-for-free/courses/principles-of-management											
Tools for Assessment (25 Marks)													
CIA I		CIA II		CIA III		Assignment		Case Study		Quiz		Total	
5		5		6		3		3		3		25	
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	L	M	–	M	M	L	M	H	M	L	–	–
CO2	H	M	H	L	H	M	M	M	H	H	M	H	L
CO3	H	L	H	–	H	M	H	M	H	H	H	H	M
CO4	H	M	H	L	H	H	M	M	H	M	H	M	H
CO5	H	M	H	L	H	H	H	H	M	M	H	M	M
H-High; M-Medium; L-Low													
Course designed by								Verified by Chairman					
Dr. C. Hariharasudhan								Dr. T. Sudha					

Course Code	Title		
26U3BVC102	DSC II: Fundamentals of Aviation Management		
Semester : I	Credits : 4	CIA : 25 Marks	ESE : 75 Marks
(B. B. A. Aviation Management)			
Course Objective	To provide fundamental knowledge of aviation industry, operations, regulations, safety, and airport management systems.		
Course Category	Employability		
Development Needs	National and Global		
Course Description	Introduces aviation management concepts, airline operations, airport functions, safety, and regulatory frameworks.		
Course Outcomes		BTL	Assessment Methods
CO 1	Apply knowledge of aviation industry concepts, structure, and evolution in aviation management contexts.	K3	Assignment
CO 2	Apply knowledge of aviation regulatory bodies, policies, and international aviation agreements effectively.	K3	
CO 3	Apply airline operational concepts including fleet planning, routes, and organizational structure.	K3	Case Study
CO 4	Examine airport management functions and passenger handling systems comprehensively.	K4	
CO 5	Evaluate aviation safety, security procedures, and emergency management systems critically.	K4	Quiz
Offered by : Business Administration			SDG : 4, 9, 11
Course Content		Instructional Hours / Week : 4	
Unit	Description	Text Book	Chapters
I	Introduction to Aviation Industry and Roles: Meaning and scope of aviation management - Evolution and history of aviation - Types of aviation: Civil and Military - Scheduled vs Non-scheduled operations - Structure of aviation industry - Role of aviation in economic development - Aviation and globalization.	1	1, 2 & 3
Instructional Hours			12
Learning Activity: Aviation timeline creation, industry structure mapping			
II	Aviation Regulatory Bodies and Aviation Laws: Need for aviation regulations - Role of International Civil Aviation Organization (ICAO) - Role of International Air Transport Association (IATA) - Functions of Directorate General of Civil Aviation (DGCA) - Role of Airports Authority of India (AAI) – Aviation laws and policies - Bilateral air service agreements.	2	1, 2 & 10
Instructional Hours			12
Learning Activity: ICAO DGCA role analysis, regulatory case studies			
III	Airline Operations and Cost Structure: Types of airlines - Full-service, Low-cost, Cargo - Airline organizational structure - Airline departments and functions – Basics of Fleet planning and aircraft selection - Route planning and scheduling – Basics of Load factor and yield management - Airline cost structure.	1	14, 15 & 17
Instructional Hours			12
Learning Activity: Airline route planning simulation, fleet analysis exercises			

IV	Airport Management and Ground Handling Services: Types and classification of airports - Airport ownership and management models - Airport layout (Airside and Landside) - Terminal operations and passenger flow - Baggage handling systems - Ground handling services - Airport customer service.										2	8, 9 & 10	
Instructional Hours												12	
Learning Activity: Airport layout sketching, passenger flow simulation exercises													
V	Aviation Safety & Security: Concepts of aviation safety and security - Safety management systems (SMS) - Aviation security procedures - Screening and surveillance systems - Emergency and crisis management - Accident investigation basics - Safety standards and audits.										2	11	
Instructional Hours												12	
Learning Activity: Aviation safety audit review, emergency response case studies													
Total Hours												60	
Text Books		1. John G. Wensveen, Air Transportation: A Global Management Perspective, 9th Edition, Routledge, 2023. 2. Gerald N. Cook and Bruce G. Billig, Airline Operations and Management: A Management Textbook, 1st Edition, Routledge, 2017.											
Reference Books		1. Alexander T. Wells, Airport Planning and Management, 7th Edition, McGraw-Hill Education, 2019. 2. Rigas Doganis, The Airline Business, 2nd Edition, Routledge, 2006.											
Web. URLs		1. https://alison.com/course/basics-of-aviation-management 2. https://igat.icao.int/ated/trainingcatalogue/Browse?TrainingAreaId=9											
Tools for Assessment (25 Marks)													
CIA I		CIA II		CIA III		Assignment		Case Study		Quiz		Total	
5		5		6		3		3		3		25	
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	M	L	–	M	–	–	M	M	H	M	M	L
CO2	M	M	H	–	M	H	–	M	L	H	H	M	–
CO3	H	M	H	–	H	M	L	M	M	H	H	M	–
CO4	M	M	M	M	H	M	M	M	L	M	H	H	–
CO5	H	M	M	M	M	H	M	M	M	H	H	H	M
H-High; M-Medium; L-Low													
Course designed by								Verified by Chairman					
Dr. S. Najumudeen								Dr. T. Sudha					

Course Code		Title		
26U3BMP103		DSE III: Office Automation Practical		
Semester : I		Credits : 4	CIA : 40 Marks	ESE : 60 Marks
(Common to B. B. A. CA / IB / LOG / AV)				
Course Objective		To develop practical skills in office automation tools for business documentation, data management, presentations, and design.		
Course Category		Skill Development		
Development Needs		Local, Regional, National, and Global		
Course Description		This course introduces office automation applications including word processing, spreadsheets, presentations, forms, and visual design.		
Course Outcomes			BTL	Assessment Methods
CO1	Apply word processing features for creating professional business documents effectively.		K3	Document Preparation and Output Accuracy
CO2	Analyze spreadsheet data using formulas, functions, charts, and formatting tools effectively.		K4	
CO3	Analyze presentation design elements for creating effective multimedia business presentations professionally.		K4	Design and Output Accuracy
CO4	Evaluate online forms and survey responses for business research decision-making purposes.		K5	
CO5	Evaluate visual communication elements for developing professional business promotional designs effectively.		K5	Viva Voce
Offered by		Business Administration	SDG : 4, 8, 9	
Course Content			Instructional Hours / Week : 5	
LIST OF PROGRAMS				
Concept 01: Word Processing				
Basic Level (K1/K2) : Create, save, open, and edit documents using MS Word.				
Intermediate Level (K3/K4) : Apply page layout features such as margins, headers, footers, and page numbers, and perform text formatting using fonts, alignment, and spacing options.				
Advanced Level (K5/K6) : Design a professional business report using tables, images, and text boxes.				
Concept 02: Spreadsheet Management				
Basic Level (K1/K2) : Format data using sorting and filtering techniques in MS Excel.				
Intermediate Level (K3/K4) : Apply formulas such as SUM, AVERAGE, COUNT, and IF functions.				
Advanced Level (K5/K6) : Develop business reports using Pivot Tables and charts.				
Concept 03: Presentations Tools				
Basic Level (K1/K2) : Create presentation slides and insert charts, tables, images, and videos using MS PowerPoint.				
Intermediate Level (K3/K4) : Create presentations using SmartArt and multimedia tools.				
Advanced Level (K5/K6) : Develop a professional business presentation on a selected topic.				

Concept 04: Online Forms and Survey Tools

Basic Level (K1/K2) : Create online forms using different question types such as MCQs and checkboxes in Google Forms.

Intermediate Level (K3/K4) : Apply response validation and quiz settings in Google Forms.

Advanced Level (K5/K6) : Develop an online survey for market research purposes.

Concept 05: Visual Communication and Design

Basic Level (K1/K2) : Create Canva account and demonstrate the use of text, images, icons, and backgrounds in designs.

Intermediate Level (K3/K4) : Apply branding elements such as colors, fonts, and logos in designs.

Advanced Level (K5/K6) : Design a professional business brochure.

Total Hours | **75**

Web. URLs

1. <https://learn.microsoft.com/en-us/training/microsoft-365/>
2. <https://www.canva.com/designschool/>

Tools for Assessment (40 Marks)

Laboratory Performance - Document Preparation and Output Accuracy	Laboratory Performance - Design and Output Accuracy	Laboratory Performance - Viva voce	Test 1	Test 2	Observation Note Book	Total
5	5	5	10	10	5	40

Mapping

CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M	H	M	–	M	L	–	M	H	M	M	–	M
CO2	M	H	M	–	H	M	–	M	H	H	H	M	H
CO3	M	H	H	–	M	L	M	M	M	M	H	M	–
CO4	H	M	M	M	M	M	M	H	M	M	H	H	M
CO5	M	H	H	M	M	L	M	H	M	M	M	H	–

H-High; M-Medium; L-Low

Course designed by

Verified by Chairman

Dr. C. Hariharasudhan

Dr. T. Sudha

Course Code		Title		
26U3MDA101		GEC I (A): Mathematics for Management – I		
Semester : I		Credits : 3	CIA: 20 Marks	ESE: 55 Marks
(Common to B. B. A. CA / IB / LOG / AV)				
Course Objective		To develop knowledge of Mathematics and Statistics concepts and their analytical applications.		
Course Category		Skill Development		
Development Needs		National		
Course Description		This course introduces the fundamental concepts of Mathematics and Statistics, focusing on applications in real life problems.		
Course Outcomes			BTL	Assessment Methods
CO 1	Solve financial problems involving Simple and Compound interest.		K3	Seminar
CO 2	Identifying the properties of Matrices.		K3	Assignment
CO 3	Apply the basic concepts of measures of central tendency and dispersion		K3	Assignment
CO 4	Analyze the relationship between variables using Correlation and Regression		K4	Seminar
CO 5	Analyze variations in data using Index numbers and Time series methods.		K4	Quiz
Offered by : Mathematics			SDG : 4	
Course Content			Instructional Hours / Week : 5	
Unit	Description		Text Boo	Chapte rs
I	Set Theory: Introduction – Types of Sets – Set Operations - Venn Diagrams - Number of Elements. Financial Mathematics: Simple and Compound Interest. (Simple problems only)		1	2,3
Instructional Hours				15
Learning Activity: Seminar on Matrices				
II	Matrices: Fundamental ideas about matrices and their operational rules – Matrix multiplication – Inversion of square matrices of not more than 3rd order – Solving system of simultaneous linear equations.		1	4
Instructional Hours				15
Learning Activity: Assignment in set Theory and Financial Mathematics				
III	Meaning and Definitions of Statistics: Scope and Limitations - Real life applications of statistics - Collection of data –Primary data and Secondary data – Classification and Tabulation of data – Formation of Frequency Distribution. Measures of Central Tendency: Arithmetic Mean, Median and Mode. Measures of Dispersion: Range - Quartile deviation - Standard Deviation – Co-efficient of Variation.		1	1,3,5,7, 8
Instructional Hours				15
Learning Activity: Assignment in Central Tendency and Dispersion				

IV	Correlation: Introduction- Types Of Correlation- Scatter Diagram – Karl Pearson’s Co-efficient of Correlation – Coefficient of Determination - Spearman’s Rank Correlation. Regression: Regression equation of variables – Linear Regression.	1	12,13										
Instructional Hours			15										
Learning Activity: Seminar on Correlation and Regression													
V	Index Numbers: Concepts – Un weighted and Weighted indices – Tests of index numbers – Consumers price and cost of living indices. Time Series: Definition- Uses- Components – Secular trend – Method of least square – Seasonal fluctuation – Method of Simple Average, Method of moving Averages.	1	10,14										
Instructional Hours			15										
Learning Activity: Quiz on Index numbers and Time Series													
Total Hours			75										
Text Books	1. PA. Navaneethan, Business Mathematics and Statistics (Part I & II), Jai Publishers, May 2016. Unit I : Chapter 2 - Page no 43 - 61, Chapter 3 - Page no 104 – 136 Unit II : Chapter 4 - Page no 147 – 186 Unit III: Chapter 1 -Page no 1 – 19, Chapter 3- 28-40, Chapter 5 – page no 60 – 97 Chapter 7 – Page no 159 – 250 Chapter 8 – Page no. 301 – 337, 360-362. Unit IV: Chapter 12 – Page no 503 – 508, 515 – 522, Chapter 13- 540-554 Unit V: Chapter 10 – Page no 444 – 471 Chapter 14 – Page no 579 - 605												
Reference Books	1. S.P. Gupta, Statistical Methods, Sultan Chand & Sons, 2014. 2. R.S.N. Pillai and V Bagavathi, Statistics, S. Chand & company Ltd., 2003 3. D.C. Sancheti and V.K. Kapoor, Statistics - Theory, Methods & Application, Sultan Chand & Sons, 1999.												
Web. URLs	1. https://www.youtube.com/watch?v=oaOm2pnKkyY 2. https://www.youtube.com/watch?v=1MiT06JFNo4 3. https://www.youtube.com/watch?v=1lc9cs6WpJU												
Tools for Assessment (20 Marks)													
CIA I	CIA II	CIA III	Assignment	Seminar	Quiz	Total							
4	4	5	2	2	3	20							
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	M	M	-	-	-	L	M	M	M	-	-	L
CO2	H	H	M	-	-	-	-	M	M	H	M	-	M
CO3	H	H	H	-	-	-	-	M	H	H	M	-	M
CO4	H	H	H	M	-	-	M	M	H	H	H	M	H
CO5	H	H	H	-	-	-	H	H	H	H	H	M	H
H-High; M-Medium; L-Low													
Course designed by								Verified by Chairman					
S Indhumathi								Dr. T. Chandrapushpam					

Course Code		Title		
26U3MDA102		GEC I (B): Managerial Mathematics – I		
Semester : I		Credits : 3	CIA : 20 Marks	ESE : 55 Marks
(Common to B. B. A. CA / IB / LOG / AV)				
Course Objective		To provide knowledge of series, calculus, interpolation, and probability and develop their application in mathematical and economic concepts.		
Course Category		Skill Development		
Development Needs		National		
Course Description		This course covers sequences and series, algebraic functions, differentiation and integration, interpolation methods, and basic probability.		
Course Outcomes			BTL	Assessment Methods
CO 1	Develop arithmetical skills to find the sum of a series.		K3	Assignment
CO 2	Compute derivatives of simple arithmetic functions		K3	Seminar
CO 3	Implement the ideas of Integration in Business problems.		K3	Seminar
CO 4	Predicting data using interpolation and extrapolation techniques.		K4	Assignment
CO 5	Application of addition and multiplication theorems on probability to solve simple problems.		K4	Quiz / Assignment
Offered by : Mathematics			SDG : 4, 8	
Course Content			Instructional Hours / Week : 5	
Unit	Description		Text Book	Chapters
I	Series: Sequence and Series – Arithmetic Progression – Geometric Progression, Harmonic Progression		1	1
Instructional Hours			15	
Learning Activity: Assignment I n Progression				
II	Variables, Constants and Functions: Limits of Algebraic Functions – Simple Differentiation of Algebraic Functions. Meaning of Derivations: Evaluation of First and Second order Derivatives – Maxima and Minima.		1	6
Instructional Hours			15	
Learning Activity: Seminar on Second Order Derivatives				
III	Elementary Integral Calculus: Determining Indefinite and Definite Integrals of simple Functions – Integration by Parts- Uses in Economics- Consumers and Producers Surplus (Simple Problems Only).		1	8
Instructional Hours			15	
Learning Methods : Seminar on Integration by Parts				
IV	Interpolation and Extrapolation – Graphical Method – Algebraic Method – Binomial Expansion method - Newton’s Forward and Backward Difference - Lagrange’s methods.		1	15
Instructional Hours			15	
Learning Methods: Assignment in Differences				

V	Probability – Concept and definition – Addition and Multiplication theorem of Probability (Statement only) – Simple problems based on Addition and Multiplication theorem only.					1	16						
Instructional Hours							15						
Learning Methods: Quiz / Assignment in Probability													
Total Hours							75						
Text Books	1. Text Book(s): P. A. Navanitham, Business Mathematics & Statistics (Part –I &II), Jai Publishers, June 2008. Unit I: Part I: Page No. 1-33 Unit II: Part I: Page No. 247-296 Unit III: Part I: Page No. 303-322 Unit IV: Part II: Page No. 622-643 Unit V:Part II: Page No. 654-680												
Reference Books	1. S.P. Gupta, Statistical Methods, Sultan Chand & Sons, 2014. 2. D.C. Sanchetti and V.K. Kapoor, Business Mathematics, Sultan Chand Co Ltd., New Delhi, 1999 3. Kalavathy, Operations Research, Vikas Publishing House Pvt.Ltd.,2009												
Web. URLs	1. https://youtu.be/AdLAkD-r9Rs 2. https://tinyurl.com/5btt3w49 3. https://tinyurl.com/2mxj7f67												
Tools for Assessment (20 Marks)													
CIA I	CIA II	CIA III	Assignment		Seminar		Quiz	Total					
4	4	5	2		2		3	20					
Mapping													
CO / PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	H	M	M	-	-	-	L	M	M	M	-	-	L
CO2	H	H	M	-	-	-	-	M	M	H	M	-	M
CO3	H	H	H	-	-	-	-	M	H	H	M	-	M
CO4	H	H	H	M	-	-	M	M	H	H	H	M	H
CO5	H	H	H	-	-	-	H	H	H	H	H	M	H
H-High; M-Medium; L-Low													
Course designed by							Verified by Chairman						
Ms. S Indhumathi							Dr. T. Chandrapushpam						

Course Code		Title	
26U4ENV101		AEC III - Environmental Studies	
Semester : I		Credits : 2	CIA : 50 Marks
(Common to all UG Programmes)			
Course Objective		This course enables the students to recognize the interconnectedness of multiple factors in Environmental challenges and communicate clearly and competently matters of environment concern.	
Course Category		Employability	
Development Needs		National & Global	
Course Outcomes		BTL	Assessment Methods
CO 1	Understand key concepts from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions	K3	Album Preparation
CO 2	Understand concepts and methods from ecological and physical sciences and their application in environmental problem solving.	K3	Album Preparation
CO 3	Solve the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.	K3	Group Discussions
CO 4	Demonstrate an understanding of environmental sustainability through Sustainable Development Goals, resource conservation, waste management, and community participation in addressing environmental issues	K4	Group Discussions
CO 5	Apply systems concepts and methodologies to analyse and understand interactions between social and environmental processes.	K4	Field visit & Report
SDG :13, 14, 15			
Course Content		Instructional Hour / Week : 1	
Unit	Description	Text Book	Chapters
I	Natural Resources: Forest resources, Water resources, Mineral resources, Food resources, Energy resources and Land resources.	1	2
Instructional Hours			3
Learning Activity : Video lectures from In-house MOOC			
II	Ecosystems: Concept of an ecosystem, Structure and function; Introduction, types, characteristic features, structure and function of ecosystem - Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries). Activity: Prepare an album on types of Ecosystem	1	3
Instructional Hours			3
Learning Activity : Video lectures from In-house MOOC			
III	Environmental Pollution: Definition Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution and Noise pollution, Solid waste management. Activity: Discuss the solutions for water pollution	1	5
Instructional Hours			3
Learning Activity : Group Discussion			

IV	Social Issues and the Environment: Water conservation, rain water harvesting, watershed management, Environmental ethics - Issue summits’ and possible solutions and Public awareness. Introduction to the Sustainable Development Goals - Resource conservation and waste management - Environmental awareness and community participation. Activity: Identify and analyse a Social Issue and an Environment issue in your locality.	1	6										
		4	4,7,10,11										
Instructional Hours			3										
Learning Activity : Group Discussion													
V	Disaster Management: Floods, Earthquakes, Cyclones, Landslides: From management to mitigation of disasters: Themain elements of a mitigation and measures of strategy: Floods, Earthquakes, Cyclones and Landslides	3	16										
Instructional Hours			3										
Learning Activity: Group Discussion													
Field Work: Visit to local area to document Environmental assets (River / Forest / Grass land / Mountain), Visit to local polluted site (Urban / Rural /industrial / Agricultural), Study of common plants, insects, birds, Study of simple ecosystem: Pond, River, Hill slopes.													
Total Hours			15										
Text Book(s)	1. Shashi Chawla. A Text Book of Environmental Studies, Tata McGraw-Hill, 2012.												
	2. In-house MOOC for ‘Environmental Studies’ developed by Nehru Arts and Science College and hosted through Moodle platform												
	3. From UGC website: https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf												
	4. Sustainable Economic Development & Environment, Raj Kumar Sen, Kartik C.Roy, Atlatic Publishers & Distributors Pvt Ltd,2021												
Tools for Assessment (50 Marks)													
Ecosystem Album Preparation		Field visit and report submission	Group discussions about issues related to their locality / about Disaster Management	Quiz	Total								
10		10	5	25	50								
Mapping													
CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	L	-	L	H	H	H	H	L	L	-	-	-	-
CO2	L	-	L	H	H	H	H	L	L	-	-	-	-
CO3	L	-	L	H	H	H	H	L	L	-	-	-	-
CO4	L	-	L	H	H	H	H	L	L	-	-	-	-
CO5	L	-	L	H	H	H	H	L	L	-	-	-	-
H-High; M-Medium; L-Low													
Course designed by								Verified by					

Course Code		Title			
26U4BCS102		AEC IV: Introduction to Cyber Security			
Semester : I		Credit : 1		CIA : 25 Marks	
(Common to all UG Programmes)					
Course Objective		To introduce the basic concepts of cybersecurity and create awareness about cyber threats, attacks, security mechanisms, legal aspects, and professional opportunities, enabling students to develop safe and responsible use of digital systems.			
Course Category		Skill Development			
Development Needs		Global			
Course Description		To provide an introduction to cyber security concepts, cyber crimes, mobile and wireless security, cyber attack tools and techniques, and safe digital practices for secure use of digital systems.			
Course Outcomes				BTL	Assessment Methods
CO 1	Understand the basic concepts of cybersecurity, issues and challenges associated with it.			K2	Quiz
CO 2	Understand the cyber crimes, their nature and legal remedies.			K2	
CO 3	Appreciate various privacy and security concerns on online Social media and understand the reporting procedure of inappropriate content.			K4	Practical Demonstration
CO 4	Familiar with various digital payment modes and related cyber security aspects, RBI guidelines and preventive measures against digital payment frauds.			K4	
CO 5	Understand the basic security aspects related to Computer and Mobiles			K3	
SDG : 4, 8,9					
Course Content				Instructional Hours / Week : 1	
Unit	Description				
I	Unit I : Basics of Cyber Security Introduction to Cyber Security – Need for Cyber Security – Internet Infrastructure for data transfer and governance - Defining Cyber Space- Regulation for Cyber Space - Cyber Security terminology - The CIA Triads - Types of Cyber attackers - Issues and challenges in Cyber Security				
				Instructional Hours	3
Learning Activity: Case study discussion on recent cyberattacks					
II	UNIT II : Cyber Crime and Cyber law Classification of cyber crimes- Common cyber crimes- cyber crime targeting computers and mobiles, cyber crime against women and children, financial frauds, social engineering attacks, malware and ransomware attacks, zero day and zero click attacks- Reporting of cyber crimes- Remedial and mitigation measures -Legal perspective of cyber crime IT Act 2000 and its amendments.				
				Instructional Hours	3
Learning Activity: Checklist for reporting cyber crime at Cyber crime Police Station, reporting online, Reporting phishing emails					

III	UNIT III : Social Media Overview and Security Introduction to Social networks. Types of Social media, Social media platforms, Social media monitoring, Hashtag, Viral content, Social media marketing, Social media privacy, Challenges, opportunities and pitfalls in online social network, Security issues related to social media, Flagging and reporting of inappropriate content, Laws regarding posting of inappropriate content, Best practices for the use of Social media.														
Instructional Hours												3			
Learning Activity: Basic checklist, privacy and security settings for popular Social media platforms, Reporting and redressal mechanism for violations and misuse of Social media															
IV	UNIT IV : E-Commerce and Digital Payments Elements of E-Commerce security, E-Commerce threats, E-Commerce security best practices, Introduction to digital payments, Components of digital payment and stake holders, Modes of digital payments- Banking Cards, Unified Payment Interface (UPI), e-Wallets, Unstructured Supplementary Service Data (USSD), Aadhar enabled payments, Digital payments related common frauds and preventive measures. RBI guidelines on digital payments.														
Instructional Hours												3			
Learning Activity: Configuring security settings in Mobile Wallets and UPIs															
V	UNIT V : Digital Devices Security, Tools and Technologies for Cyber Security. End Point device and Mobile phone security, Password policy, Security patch management, Data backup, Downloading and management of third party software, Device security policy, Cyber Security best practices, Management of host firewall and Anti-virus, Wi-Fi security.														
Instructional Hours												3			
Learning Activity: Discuss and implement common cyber safety practices to be used in daily life.															
Total Hours												15			
Reference Books		1. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd. (First Edition, 2011) 2. Cyber Crime Impact in the New Millennium, by R. C Mishra , Auther Press. Edition 2010. 3. Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform. (Pearson , 13th November, 2001) 4. Electronic Commerce by Elias M. Awad, Prentice Hall of India Pvt Ltd. 5. Cyber Laws: Intellectual Property & E-Commerce Security by Kumar K, Dominant Publishers. 6. Network Security Bible, Eric Cole, Ronald Krutz, James W. Conley, 2nd Edition, Wiley India Pvt. Ltd. 7. Fundamentals of Network Security by E. Maiwald, McGraw Hill.													
		Assessment: Computer Based Test for 50 Marks to be converted to 25													
		Mapping													
		CO \ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5
		CO1		L	H			H		M					
		CO2		L	H			H		M					
		CO3		L	H			H		M					
		CO4		L	H			H		M					
CO5		L	H			H		M							
H-High; M-Medium; L-Low															
Course designed by								Verified by Chairman							