## MATHEMATICS

# **Certificate Course**

## **Program Code: UMT**

### 2021-2022 onwards



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF MATHEMATICS (For those who joined in 2021-2022 and after)

Course Name	VEDIC MATHEMAT	TICS				
Course Code	21CMTC21			L	Р	С
Category	Certificate Course					2
Nature of cours	ature of course: EMPLOYABILITY ✓ SKILL ORIENTED ✓ ENTREPRE					
Course Outcor	nes:					
2. By study	ying simple methods in V	rstand basic concepts in M Vedic mathematics.				
Unit: I	te the students to prepare					
	omputations – Multiplica	tions				
Unit: II	1 1					
Division by the	e Nikhilam method –Divi	sion by Paravartya metho	d - Simultaneous Si	mple		
Equations.				-		
Unit: III						
Quadratic Equa	ations – Cubic Equations					
Unit: IV						
	s – Integration by partial	fractions				
Unit: V						
Sum and Differ	rence of Squares – Eleme	entary Squaring and Cubin	<b>·</b>			
			<b>Total Lecture Ho</b>	urs		
<b>Books for Stud</b>	ly:					
1. VEDIC	MATHEMATICS by Ja	gadguruswami Sri Bharat	i Krsna Tirthaji Ma	haraj	ja, M	otila
Banarsic	dass Publishers, Delhi –	110017.	_			
<b>Books for Refe</b>	erences:					
		odern Introduction to Anci	ent India Mathemat	tics, l	New	Age
	rnational Publishers, Seco					
2. Dr. S	S.K. Kapoor, Vedic Math	nematics. Lotus Press, 201	3.			

3. Mr.Dhaval Bathia, Vedic Mathematics made easy, Jaico Publishing House.

# **COMPUTER SCIENCE**)

# **Certificate** Course

## **Program Code: UCS**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE(AUTONOMOUS)

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#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF COMPUTER SCIENCE (For those who joined in 2021-2022 and after)

	Digital Marketing	<b>&amp;</b> A	Analytics					
Course Code	21CCSC21					L	P	С
Course Category	Certificate Course	e				45	-	2
Nature of Course:	EMPLOYABILITY	1	SKILL ORIENTED	✓	ENTREPRE	ENUR	SHIP	
Course Objective	s:	3	LD & Gomes					
Explore the     Learn webs:     Monitor per     Understand     Unit I     Fund     Conce     Introduction - Fu     Analytic-Social Me     Analytic - Owned S     Unit II     Dig     Benefits of Digit     Audience -Brand	multiple ways to pro amental Concepts epts indamental Concepts Future of Digital Mar edia- Social Media Ro Social Metrics -Earne ital Analysis Brand al Brand Analysis -	of dia optim th Sl mote of of of ketin eported Sc and Bra	gital marketing mization EO tools to execute th e your business using <b>Digital Marketing</b> Digital Marketing - C ng .Digital Media Typ ting - User Experier ocial Media Metrics -1 I Social Media Mark and Analysis in the	socia & I Custor Des- Demy ceting Digit	il media mar Digital Ana ner Lifecycl Web Analyti eedback - Re ystifying We al Age-Brar	keting lytics e - M cs- Co eal-Tin b Data d Sh	9 H arket onver me Si a 9 H are-B	rs ing sion te rs
Content Marketin Sparking Social S	Bu <mark>ilding</mark> a Sustaina g in a Social Medi haring - Storytelling	ble S a W as a	Social Media Strateg Vorld - Visual Socia In Essential Part of Yo	y - al M our S	Converged S edia - Unc ocial Narrati	Social lerstar ve - ]	Med ding nflue	ia - and ncer
Content Marketin Sparking Social S	Bu <mark>ilding</mark> a Sustainal g in a Social Medi	ble S a W as a	Social Media Strateg Vorld - Visual Socia In Essential Part of Yo	y - al M our S	Converged S edia - Und	Social lerstar ve - ]	Med ding nflue	ia - and ncer
Content Marketin Sparking Social S Marketing and O Measurement <b>Unit III Digit</b>	Building a Sustaina g in a Social Medi haring - Storytelling nline Reputation M al Analytics	ble S a W as a anag	Social Media Strateg Yorld - Visual Socia In Essential Part of Yo gement - Social	y - y al M our S Medi	Converged S edia - Unc ocial Narrati a Selling	Social lerstar ve - ] - Soci	Med nding Influe al M 9Hr	ia - and ncer ledia
Content Marketin Sparking Social S Marketing and O Measurement Unit III Digit - Managerial Pers The Analysis Proc Dashboards - The Overview -Dealin Data Science, Dat	Building a Sustainal g in a Social Medi haring - Storytelling nline Reputation M al Analytics ntroduction to Digital pectives of Digital An ess - Marketing Mar Digital Analytics St g with Different Type a Analytics, and Mar	ble S a W as a anag ll An nalyt nage ack l es of	Social Media Strateg Vorld - Visual Social Expension Essential Part of Yo gement - Social Malytics - Organization tics - Key Performan ement - Experimentati Digital Analytics Fou f Data - Data Visualiz e Learning Data Sc	y - y al M our S Medi onal N ce In- on ar indati zation	Converged S edia - Uncocial Narrati a Selling faturity - Bu dicators - Se d Testing - ons . Quiz. In for Decisio Methodolog	Social lerstar ve - 1 - Soci uilding egmen Repoi Data A n mak	Med ading anflue al M 9Hr g Bloo tatior rts ano nalyt ing -	ia - and encer ledia s cks t cks t d
Content Marketin Sparking Social S Marketing and O Measurement Unit III Digit - Managerial Persy The Analysis Proc Dashboards - The Overview -Dealin Data Science, Dat Analytics in Diffe	Building a Sustainal g in a Social Medi haring - Storytelling nline Reputation M al Analytics ntroduction to Digital pectives of Digital An ess - Marketing Mar Digital Analytics St g with Different Type a Analytics, and Mar	ble S a W as a anag ll An nalyt nage ack l es of bhine tics l	Social Media Strateg Yorld - Visual Social an Essential Part of Yo gement - Social halytics - Organization tics - Key Performan ement - Experimentati Digital Analytics Fou f Data - Data Visualiz e Learning - Data Sc Framework and Lates	y - y al M our S Medi onal N ce In- on ar indati zation	Converged S edia - Unc ocial Narrati a Selling faturity - Bu dicators - Se d Testing - ons . Quiz. In for Decisio Methodolog	Social lerstar ve - 1 - Soci uilding egmen Repoi Data A n mak	Med ading anflue al M 9Hr g Bloo tatior rts ano nalyt ing -	ia - and incer ledia s cks cks 1 - d ics
Content Marketing Sparking Social S Marketing and O MeasurementUnit IIIDigitUnit IIIDigit- Managerial Persy The Analysis Proc Dashboards - The Overview -Dealing Data Science, Dat Analytics in DiffeUnit IVBusing Introduction - For with Pivot Tables Statistics - Power Mobile Marketing Analysis-Content	Building a Sustainal g in a Social Medi haring - Storytelling nline Reputation M al Analytics ntroduction to Digital bectives of Digital Analytics St g with Different Type a Analytics, and Mac rent Sectors - Analy ess Analytics & Mo ormatting Conditional - Dashboarding - Bu BI- Mobile Marketir Activities- Tools : S Analysis- Engageme	ble S a W as a anag anag ll An nage ack I hine tics I bile bile bile ag- C ocia	Social Media Strateg Yorld - Visual Social In Essential Part of Yo gement - Social Malytics - Organization tics - Key Performan ement - Experimentati Digital Analytics Fou f Data - Data Visualize Learning - Data Sc Framework and Lates Analytics Tools rmatting and Importate ss Analytics with Exc Current Mobile Marke I Media Listening- Se	y - y al M our S Medi onal M ce Ind on ar indati zation ience at Tre: nt Fu cel - et Lan	Converged S edia - Unconstruction ocial Narration a Selling flaturity - Bud dicators - Send d Testing - ons . Quiz. In for Decision Methodologends notions - Ar Data Analys dscape- Methodologends	Social lerstar ve - 1 - Soci ailding egmen Repoi Data A n mak gy - D nalyzin is Usi easurin	Med ading al flue al M 9Hr g Bloo tation ts and nalyt ing - Data 9 H ng Da ng ng	ia - and incer ledia s cks cks cks cks cks cks cks cks cks ta
Content Marketing Sparking Social S Marketing and O MeasurementUnit IIIDigitUnit IIIDigitIAnalysis Proc Dashboards - The Overview -Dealin Data Science, Dat Analytics in DiffeUnit IVBusin Introduction - Fo with Pivot Tables Statistics - Power Mobile Marketing Analysis- ContentUnit VFurther Marketing Analysis- ContentUnit VFurther Marketing Analysis- Content	Building a Sustainal g in a Social Medi haring - Storytelling nline Reputation M al Analytics ntroduction to Digital pectives of Digital Analytics of Digital Analytics St g with Different Type a Analytics, and Mac rent Sectors - Analy ess Analytics & Mo ormatting Conditional - Dashboarding - Bu BI- Mobile Marketir Activities- Tools : S Analysis- Engagement re of Digital Data	ble S a W as a anag anag ll An nage ack I es of hine tics I <b>bile</b> bile ag- C ocia ent A	Social Media Strateg Yorld - Visual Social In Essential Part of Yo gement - Social Malytics - Organization tics - Key Performan ement - Experimentati Digital Analytics Fou f Data - Data Visualize Learning - Data Sc Framework and Lates Analytics Tools rmatting and Importate ss Analytics with Exc Current Mobile Marke I Media Listening- Se	y - y al M our S Medi onal M ce Ind on ar indati zation ience it Tre: nt Fu cel - et Lan earch	Converged S edia - Unconstruction ocial Narration a Selling flaturity - Budicators - Send Testing - ons . Quiz. In for Decision Methodologends notions - Arr Data Analys dscape- Me Analytics- A	Social lerstar ve - 1 - Soci ailding egmen Repoi Data A n mak gy - D nalyzin is Usi easurin udien	Med ading Influe al M 9Hr g Bloo tation rts and nalyt ing - oata 9 H ng Da ng ng ce 9 H	ia - and incer ledia s cks t cks t cks t cks t cks t cks t c rs

with Growing Concerns About Consumer Privacy - Making Social Data Become More Available to Brands - Continuing Measurement Challenges for Chief Marketing Officers (CMOs)-Scratching the Surface of Machine Learning and Artificial Intelligence 45Hrs **Total Lecture Hours Book for References:** 1. Digital Marketing Analytics: Making Sense of Consumer Data in a Digital World (Que Biz-Tech) Kindle Edition by Chuck Hemann, Que Publishing; 1st edition (2013) 2. Ryan Deiss, Russ Henneberry, "Digital Marketing for Dummies", A Wiley Brand. 3. Ian Dodson, "The Art of Digital Marketing", Wiley 3. Calvin Jones and Damian Ryan. "Understanding Digital Marketing", Koganpage, IV Edition 4. Web Analytics: An Hour a Day Paperback by Avinash Kaushik Wiley Publishing 2007 Web References 1. https://www.marketplace-simulation.com/ 2. https://www.sigmacomputing.com/ 3. https://www.intellicus.com/enterprise-bi/ 4. https://skill-lync.com/computer-science-engineering-courses/pg-data-analyticsdata-science **COURSE OUTCOMES:** K Level At the end of the course the students will be able to **CO1:** Understand the strategy behind digital marketing along with its advantage and K2 limitation Gain an understanding of data collection and analysis used by marketing K3 **CO2:** professionals Become proficient in digital marketing channels Learn to improve visibility of your website on search engines and increase K3 **CO3:** traffic with help of SEO **CO4:** Gain an understanding of customer-centric approach to boost conversion K4 CO5: Acquire skill in Business analysis for better planning, optimization and K4 forecast of your campaigns

**LESSON PLAN** 

LINIT	LESSON PLAN	Unc	Mada
UNIT	Digital Marketing & Analytics	Hrs	Mode
I	Introduction - Fundamental Concepts of Digital Marketing - Customer Lifecycle - Marketing Technology - The Future of Digital Marketing .Digital Media Types- Web Analytics- Conversion Analytic-Social Media- Social Media Reporting - User Experience Feedback - Real-Time Site Analytic - Owned Social Metrics -Earned Social Media Metrics -Demystifying Web Data	9	Chalk & Talk, ICT Kit
II	Benefits of Digital Brand Analysis - Brand Analysis in the Digital Age-Brand Share-Brand Audience -Brand and Consumer Alignment -The Future of Digital Brand Analysis. Introduction to Social Media Building a Sustainable Social Media Strategy - Converged Social Media - Content Marketing in a Social Media World - Visual Social Media - Understanding and Sparking Social Sharing - Storytelling as an Essential Part of Your Social Narrative - Influencer Marketing and Online Reputation Management - Social Media Selling - Social Media Measurement	9	Chalk & Talk, ICT Kit
III	Introduction to Digital Analytics - Organizational Maturity - Building Blocks - Managerial Perspectives of Digital Analytics - Key Performance Indicators - Segmentation - The Analysis Process - Marketing Management - Experimentation and Testing - Reports and Dashboards - The Digital Analytics Stack Digital Analytics Foundations . Quiz. Data Analytics Overview - Dealing with Different Types of Data - Data Visualization for Decision making - Data Science, Data Analytics, and Machine Learning - Data Science Methodology - Data Analytics in Different Sectors - Analytics Framework and Latest Trends	9	Chalk & Talk, ICT Kit
IV	Introduction - Formatting Conditional Formatting and Important Functions - Analyzing Data with Pivot Tables - Dashboarding - Business Analytics with Excel - Data Analysis Using Statistics - Power BI- Mobile Marketing- Current Mobile Market Landscape- Measuring Mobile Marketing Activities- Tools : Social Media Listening- Search Analytics- Audience Analysis- Content Analysis- Engagement Analysis	9	Chalk & Talk, ICT Kit
V	Digital Analytics Disciplines Evolve - Bridging the Analytics Talent Gap - Housing Customer Data - Continuing Consolidation of Data Sources Just as New Sources of Data Emerge -Dealing with Growing Concerns About Consumer Privacy - Making Social Data Become More Available to Brands - Continuing Measurement Challenges for Chief Marketing Officers (CMOs)- Scratching the Surface of Machine Learning and Artificial Intelligence	9	Chalk & Talk, ICT Kit

Course Designed by: Dr.G.Devika & Dr.S.Shaik Parveen

## **B.Sc., INFORMATION TECHNOLOGY**

# **Certificate** Course

## **Program Code: UIT**

### 2021-2022 onwards



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)

Re-accredited with "A" Grade by NAAC

PASUMALAI, MADURAI – 625 004



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF INFORMATION TECHNOLOGY (For those who joined in 2021-2022 and after)

Course Name THE ROBOTICS								
Course Code21CITC21LP	С							
CategoryCertificate Course45	2							
Nature of course: EMPLOYABILITY ✓ SKILL ORIENTED ✓ ENTREPRENEURSHIP	> ✓							
Course Outcomes:								
4. To study the basic concepts of Robotic system, its components and instrumentation and	d							
control related to robotics								
5. It associated with the design, construction, operation, and application of robots, as well computer systems for their control.	as							
6. Robotics is a multidisciplinary field which brings together a number of distinct branche	es of							
engineering—including mechanical, electronic, computer, and systems engineering—to								
support a vast number of industries	J							
7. To study about the drives and sensors used in Robots								
<ul><li>8. It is therefore need of the day for students to learn Robotics for working in industry.</li></ul>								
	) Hrs							
Brief history of Robots - The First Robots – Factory Automation – Machine Tools - Types								
Robot–Technology								
	) Hrs							
Robot Classifications and Specifications - Design and control issues. Introduction: Industr								
Robots – Fictional Robots & Modern Fictional Robots. Anatomy of Robot: The Human Bod								
Robot's Body – Arms and Hands – Moving Around	•							
	) Hrs							
Touch sensors, tactile sensor, Proximity and range sensors, Robotic vision sensor - Force sensor	or,							
Light sensors. History of Industrial robots – typical applications and Robot Configurations: We	elding							
– Car body Assembling – Painting								
Unit: IVIntelligent Robots & Robots in Space9	) Hrs							
Artificially Intelligent robots – planning – Intelligent Teaching and Learning – advanced Tele								
operation – Tele presence – Microrobots. Robots on the U.S. Space Station – Robots for Explo	oring							
the Mars Surface – Space Robots beyond the Mars mission.								
	) Hrs							
Robots for crop harvesting – harvest crop – harvest automation – robots for weed removal – ro								
farming. Robotic Process Automation (RPA): RPA Introduction – Example of RPA – difference	ce							
between Test Automation and RPA – Application of RPA								
Total Lecture Hours     45	Hrs							
Books for Study:								
Books for References:								
1.       Ellen Thro, "Robotics: The Marriage of Computers and Machines "								

2. R.K.Mittal and I.J.Nagrath, Robotics and Control, Tata McGraw Hill, New Delhi, 4th Reprin 2005.

 Craig. J. J. "Introduction to Robotics- mechanics and control", Addison- Wesley, 1999.
 Fu. K. S., Gonzalez. R. C. & Lee C.S.G., "Robotics control, sensing, vision and intelligence, McGraw Hill Book co, 1987

#### **Course Outcomes (CO):**

CO1	Identifying and understand the basics of Robot and specifications	K1
CO2	Gathering and Study the Robots Manipulators and Sensors	К2
CO3	Determining and get the knowledge of Industrial and Intelligent Robots	К3
CO4	Illustrating the Robots involves in Space and Agriculture	K4
CO5	Reviewing the acquire knowledge in Robotic Process Automation and its applications	К5

#### **LESSON PLAN**

Unit	The Robotics	Hrs	Mode
I	Brief history of Robots - The First Robots – Factory Automation – Machine Tools - Types of Robot– Technology	9	Lecture / PPT
II	Robot Classifications and Specifications - Design and control issues. Introduction: Industrial Robots – Fictional Robots & Modern Fictional Robots. Anatomy of Robot: The Human Body – Robot's Body – Arms and Hands – Moving Around	9	Lecture / PPT
ш	Touch sensors, tactile sensor, Proximity and range sensors, Robotic vision sensor - Force sensor, Light sensors. History of Industrial robots – typical applications and Robot Configurations: Welding – Car body Assembling – Painting	9	Lecture / PPT
IV	Artificially Intelligent robots – planning – Intelligent Teaching and Learning – advanced Tele operation – Tele presence – Microrobots. Robots on the U.S. Space Station – Robots for Exploring the Mars Surface – Space Robots beyond the Mars mission.	9	Lecture / PPT
v	Robots for crop harvesting – harvest crop – harvestautomation – robots for weed removal – robot farming.Robotic Process Automation (RPA): RPA Introduction –Example of RPA – difference between Test Automation andRPA – Application of RPA	9	Lecture / PPT

Course Designed by Mr. J.RAJKUMAR



# **Certificate** Course

## **Program Code: UCA**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF BCA (For those who joined in 2021-2022 and after)

Course Name	WEB DESIGNING						
Course Code	21CCAC21			L	P	С	
Category	Certificate Course				-	2	
Nature of cours	e: EMPLOYABILITY	<b>LOYABILITY</b> SKILL ORIENTED ENTREPREN					
Course Outcon	ies:						
technologies • Define the p • Visualize an • Develop the • Build strong per industry Unit: I Web Website W and Web D Unit: II Intre HTML Basi Paragraph	inciple and basics of W d introduce the basic cor concept of web publishi foundations (ex: OOPS requirements. Technologies nologies:Introduction- orks - Client and Serve eveloper - Types Of Web oduction to HTML cs - HTML structure - HTML Styles - HTML Fo	ncept of HTML5 and CSS3 ng through word press. ) in entry level engineers f Careers In Web Technolo r Scripting Languages- Dif osites- Web Standards - Wa HTML Elements – HTML ormatting - HTML Lists - HT	thereby making the ogies and Job Ro ferences between 3c Recommendation L Attributes - He TML Tables - Frame	em jo les - Web ons ading	b rea How Des s - H yperl	dy as / the igner ITML inks -	
-	- HTML iframes - HTML	Colours - Links - HTML Entities and URL Code	Classes - HIML	Layou	it - F	HIML	
Unit: III CSS	concept						
(Backgroun Tables - CS Border pro Advanced(G	d, Text Format, Fonts, I 5 Id and Class – CSS 2D perties, Padding Prope Grouping, Dimension, D	Style Sheet - CSS Prope Height/Width) – Shadows Transforms – CSS 3D Tran rties, Margin properties) isplay, Positioning, Floatin ) – Buttons - Creating page	<ul> <li>Links - Working</li> <li>sforms - Box Mod</li> <li>CSS Animations</li> <li>g, Align, Pseudo cl</li> </ul>	g with el(Inti – Fil ass, N	n Liste roduo ters Navig	s and ction, - CSS	
Unit: IV Wo	d Press						
images and	other media-Editing exi	guration-Dashboard-Post-F isting content-Saving and F		conte	nt-Ao	dding	
	tent Management Sys	mments-Appearance-Plug	ins-Users-Tools-Ke	ening	_  ⊽th≏	site	
updated.				.cping	5 110	Site	
· ·			Total Lecture Ho	urs			
Books for Stud	y:						
1. Books for Refe	rences:						

1.

COU	COURSE OUTCOMES:				
At the end of the course the students will be able to					
CO1	Explain the history of the internet and related internet concepts that are vital in understanding web development.	К2			
CO2	Demonstrate the important HTML tags for designing static pages	K3			
CO3	Integrate CSS with HTML to develop web applications.	K3			
CO4	Explain the basic concepts of word press	K3			
CO5	To demonstrate real time web applications through Content Management System	K3			

#### **LESSON PLAN**

UNIT	WEB DESIGNING	Hrs	Mode
I	<b>Web Technologies: Introduction</b> - Careers In Web Technologies and Job Roles - How the Website Works - Client and Server Scripting Languages- Differences between Web Designer and Web Developer - Types of Websites- Web Standards - W3c Recommendations	7 hrs	Chalk & Talk, ICT Kit
II	<b>Introduction HTML</b> - HTML Basics - HTML structure - HTML Elements – HTML Attributes - Headings - HTML Paragraph - HTML Styles - HTML Formatting - HTML Lists - HTML Tables - Frames - Hyperlinks - Images - Forms - Comments& Colours - Links - HTML Classes - HTML Layout - HTML Responsive - HTML iframes - HTML Entities and URL Code	10 hrs	Chalk & Talk, ICT Kit
III	CSS: Concept of CSS - Creating Style Sheet - CSS Properties - CSS Color - CSS Styling (Background, Text Format, Fonts, Height/Width) – Shadows - Links - Working with Lists and Tables - CSS Id and Class – CSS 2D Transforms – CSS 3D Transforms - Box Model(Introduction, Border properties, Padding Properties, Margin properties) – CSS Animations – Filters - CSS Advanced(Grouping, Dimension, Display, Positioning, Floating, Align, Pseudo class, Navigation Bar, Image Sprites, Attribute sector) – Buttons - Creating page Layout and Site Designs	10 hrs	Chalk & Talk, ICT Kit
IV	<b>Word Press:</b> Introduction-Installation and configuration-Dashboard- Post-Pages-Adding site content-Adding images and other media-Editing existing content-Saving and Publishing	10 hrs	Chalk & Talk, ICT Kit
V	Categories-Tags-Media library -Comments-Appearance-Plugins-Users- Tools-Keeping the site updated.	8 hrs	Chalk & Talk, ICT Kit

Course designed by Mrs.R.Vasuki Assistant Professor

## **B.Sc., E&C**

# **Certificate** Course

### **Program Code: UEL**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF ELECTRONICS AND COMMUNICATION (For those who joined in 2021-2022 and after)

Course Name	COMPUTER HARD	WARE AND INTERFAC	ING					
Course Code	21CELC21			L	Р	С		
Category	Certificate Course     4							
Nature of cours	ture of course: EMPLOYABILITY 🖌 SKILL ORIENTED 🖌 ENTREPRENEURSHIP							
Course Outcon	nes:							
• To intro	oduce issues related to	CPU						
• To intro	oduce the computer per	ipheral controllers.						
	lerstand the OS Installa	-						
• To intro	oduce the features of di	fferent Operating system	18.					
	erstand different storag							
Unit: I Intr	oduction to CPU:				9			
CPU essentials	– processor modes – mo	dern CPU concepts – Arch	itectural performat	nce fe	eature	×s –		
the Intel's CPU	- Mother board componer	nts – chipset,-Super I/O- syste	em timer and Real T	ime C	lock			
requirements								
	ipheral Controllers:				9			
		– Ports – Serial and Paralle						
		tors – System Bus, ISA, El	SA, PCI, AGP and	l PCI	bus -	_		
Disk controllers	8							
	erating System Basics &				9			
Operating system	m and software installati	on-Configuring cards and	devices-Dual operation	ating	syste	m		
installation-Erro	or identification-Trouble	shooting-Virus protection	& scanning					
Unit: IV Type	es of Operating systems:				9			
Windows XP, W	Vindows Vista, Windows 7	and Windows 8 and Red I	Hat Linux and Mult	i Boo	t Ope	rating		
System								
	age Devices :				9			
		ciples – data and disk organiz			d driv	′e−		
CD-ROM drive –	-CDROM electronics – DV	D-ROM – DVD media – DV						
			<b>Total Lecture Ho</b>	urs	45			

#### **Books for Study:**

1. N.Mathivanan, "PC -Based Instrumentation Concepts and Practice", Prentice Hall of India, New Delhi, 2007.

2. B. Govindarajalu, "IBM PC and clones Hardware, Trouble Shooting and Maintanance", Second Edition, Tata McGraw Hill, New Delhi, 2005.

3. D.V. Hall, microprocessors and interfacing: programming and hardware. McGraw Hill, 1999

#### **Books for References:**

1. Stephen J.Bigelow, "Trouble Shooting, maintaining and Repairing PCs", Tata McGraw-Hill, New Delhi, 2001.

2. B.Govindarajulu, IBM PC and Clones: Hardware, and Maintenance, TMH. 1991

3. S.J Bigelow, troubleshooting, maintaining and repairing Pc"s, TMH, 1999

# CHEMISTRY

# **Certificate** Course

## **Program Code: UCH**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF CHEMISTRY (For those who joined in 2021-2022 and after)

Course Name	FOOD CHEMISTRY								
Course Code	ourse Code 21CCHC21					L	Р	C	2
Category	ory Certificate Course				45	-	2		
Nature of cours	of course: EMPLOYABILITY 🖌 SKILL ORIENTED 🖌 ENTREPRENE					NEUR	SHIP		v
Course Outcon	nes:			1	I				
Unit: I Foo	d Science								
	ion to health – Function		•			iency –	Cool	king	g -
	y Preparations – Cooking	g me	ethods – Microwave co	oki	ng				
	d Poison								
	ons – natural poisons (all			pes	ticides. (DDT	, BHC, I	Malat	hic	on
	l poisons – First-aid for p	oiso	on consumed victims.						
	d Adulteration								
Sources of	food – types – advantag	ges	and disadvantages – F	000	ladulteration	n - cont	tamin	nati	
					additeration		unnin		o
of wheat,	Rice, Alial, Milk, Butter (	etc.	with clay stones, wate						
			with clay stones, wate heir detection – Detect	er a	nd toxic che	micals -	- Con	nm	0
adulterant	s – Ghee adulterants an		•	er a	nd toxic che	micals -	- Con	nm	0
adulterant analytical	s – Ghee adulterants an echniques.		•	er a	nd toxic che	micals -	- Con	nm	0
adulterant analytical Unit: IV Foo	s – Ghee adulterants an echniques. d Additives	d tł	heir detection – Detect	er a tion	nd toxic che of adultered	micals - I Foods	- Con by s	nm imp	o pl
adulterant analytical Unit: IV Foo Food addit	s – Ghee adulterants an echniques. d Additives ives – artificial sweetne	d tł rs –	heir detection – Detect	er a tion e ar	nd toxic che of adultered nd aspartate	micals - I Foods – Food	- Con by s l flave	nm imp ours	o pl s
adulterant analytical t Unit: IV Foo Food addit esters, alc	s – Ghee adulterants an echniques. d Additives rives – artificial sweetner lehydes and heterocycli	d th rs – ic c	heir detection – Detect - Saccharin – Cyclomat compound – Food col	er a tion e ar our:	nd toxic che of adultered nd aspartate s – restricte	micals - I Foods – Food d use -	- Con by s flavc - spu	nm imp ours urio	o pl s
adulterant analytical f Unit: IV Foo Food addit esters, alc colours –	s – Ghee adulterants an echniques. d Additives ives – artificial sweetne	d th rs – ic c	heir detection – Detect - Saccharin – Cyclomat compound – Food col	er a tion e ar our:	nd toxic che of adultered nd aspartate s – restricte	micals - I Foods – Food d use -	- Con by s flavc - spu	nm imp ours urio	o pl s
adulterant analytical t Unit: IV Foo Food addit esters, alc colours – makers.	s – Ghee adulterants an techniques. <b>d Additives</b> tives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre	d th rs – ic c	heir detection – Detect - Saccharin – Cyclomat compound – Food col	er a tion e ar our:	nd toxic che of adultered nd aspartate s – restricte	micals - I Foods – Food d use -	- Con by s flavc - spu	nm imp ours urio	o pl s
adulterant analytical f Unit: IV Foo Food addit esters, ald colours – makers. Unit: V Foo	s – Ghee adulterants an techniques. d Additives tives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre d Technology	d tł rs – ic c eser	heir detection – Detect - Saccharin – Cyclomat compound – Food col rvatives learning agent	er a tion e ar our: cs —	nd toxic che of adultered nd aspartate s – restricte Baking powe	micals - I Foods – Food d use der- ye	- Con by s flavc - spu ast -	nm imp ours urio tas	o pl s st
adulterant analytical f Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechno	s – Ghee adulterants an echniques. d Additives tives – artificial sweetner hehydes and heterocycli Emulsifying agents – pre d Technology ogy Food – Algae as Foo	d tł rs – ic c eser	heir detection – Detect - Saccharin – Cyclomat compound – Food col rvatives learning agent	er a tion e ar our: cs —	nd toxic che of adultered nd aspartate s – restricte Baking powe	micals - I Foods – Food d use der- ye	- Con by s flavc - spu ast -	nm imp ours urio tas	o pl s st
adulterant analytical f Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechno	s – Ghee adulterants an techniques. d Additives tives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre d Technology	d tł rs – ic c eser	heir detection – Detect - Saccharin – Cyclomat compound – Food col rvatives learning agent	er a tion e ar our: s – ods	nd toxic che of adultered nd aspartate s – restricte Baking powe – Food irrad	micals - I Foods – Food d use - der- ye ation –	- Con by s flavc - spu ast -	nm imp ours urio tas	o pl s ou st
adulterant analytical t Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechnol of Foods- 0	s – Ghee adulterants an cechniques. <b>d Additives</b> vives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre- <b>d Technology</b> ogy Food – Algae as Foo Classification of Package.	d tł rs – ic c eser	heir detection – Detect - Saccharin – Cyclomat compound – Food col rvatives learning agent	er a tion e ar our: s – ods	nd toxic che of adultered nd aspartate s – restricte Baking powe	micals - I Foods – Food d use - der- ye ation –	- Con by s flavc - spu ast -	nm imp ours urio tas	o pl s st
adulterant analytical f Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechnol of Foods- C Books for Stud	s – Ghee adulterants an echniques. d Additives ives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre- d Technology ogy Food – Algae as Foo Classification of Package. ly:	d th rs – ic c eser	heir detection – Detect - Saccharin – Cyclomat compound – Food colo rvatives learning agent Spirulina – Organic Foo	er a tion e ar our: s – ods <u>To</u>	nd toxic che of adultered nd aspartate s – restricte Baking pow – Food irrad tal Lecture I	micals - I Foods – Food d use - der- ye ation – <b>Iours</b>	- Con by s flavc - spu ast -	nm imp ours urio tas	s st
adulterant analytical f Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechnol of Foods- C Books for Stuc 2. B. Srilak	s – Ghee adulterants an cechniques. <b>d Additives</b> cives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre- <b>d Technology</b> ogy Food – Algae as Foo Classification of Package. <b>ly:</b> shmi, Food Science, 3 <sup>rd</sup> E	d th rs – ic c eser	heir detection – Detect - Saccharin – Cyclomat compound – Food colo rvatives learning agent Spirulina – Organic Foo	er a tion e ar our: s – ods <u>To</u>	nd toxic che of adultered nd aspartate s – restricte Baking pow – Food irrad tal Lecture I	micals - I Foods – Food d use - der- ye ation – <b>Iours</b>	- Con by s flavc - spu ast -	nm imp ours urio tas	s st
adulterant analytical f Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechnol of Foods- O Books for Stud 2. B. Srilak	s – Ghee adulterants an cechniques. d Additives cives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre- d Technology ogy Food – Algae as Foo Classification of Package. ly: shmi, Food Science, 3 <sup>rd</sup> E erences:	d th rs – ic c eser d –	heir detection – Detect - Saccharin – Cyclomat compound – Food col rvatives learning agent Spirulina – Organic Foo	er a tion e ar our: ss – ods <b>To</b>	nd toxic che of adultered nd aspartate s – restricte Baking pow – Food irrad tal Lecture I	micals - I Foods – Food d use - der- ye ation – <b>Hours</b>	- Con by s flavc - spu ast – Pack	nm imp ours tas cagi	s s in
adulterant analytical f Unit: IV Foo Food addit esters, alc colours – makers. Unit: V Foo Biotechnol of Foods- 0 Books for Stud 2. B. Srilak	s – Ghee adulterants an cechniques. <b>d Additives</b> cives – artificial sweetner lehydes and heterocycli Emulsifying agents – pre- <b>d Technology</b> ogy Food – Algae as Foo Classification of Package. <b>ly:</b> shmi, Food Science, 3 <sup>rd</sup> E	d th rs – ic c eser d –	heir detection – Detect - Saccharin – Cyclomat compound – Food col rvatives learning agent Spirulina – Organic Foo	er a tion e ar our: ss – ods <b>To</b>	nd toxic che of adultered nd aspartate s – restricte Baking pow – Food irrad tal Lecture I	micals - I Foods – Food d use - der- ye ation – <b>Hours</b>	- Con by s flavc - spu ast – Pack	nm imp ours tas cagi	s ou st

### **B.Sc., FOOD AND DAIRY TECHNOLOGY**

# **Certificate Course**

## **Program Code: UFD**

### 2021-2022 onwards



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)

**Re-accredited with "A" Grade by NAAC** 

PASUMALAI, MADURAI – 625 004



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF FOOD AND DAIRY TECHNOLOGY (For those who joined in 2021-2022 and after)

Course Name	LOW COST AND MILLET BASED FOOD PRODUCTS - PRACTICAL								
Course Code	21CFDCP1	L	Р	С					
Category	Certificate Course	45	-	2					
Nature of cours	e: EMPLOYABILITY $\checkmark$ SKILL ORIENTED $\checkmark$ ENTREPREN	NEURS	HIP	✓					
Course Outcom				•					
	completion of the course the student will be able to,								
	importance of low-cost food e ideas to make different food products.								
	various cooking methods.								
	importance of food product development.								
	rious new food products.								
Method of prej	paration of,								
1	. Malted weaning products.								
2	. Millet based idly preparation.								
3	. Millet bar preparation.								
4	. Soup mix from little millet.								
5	Extruded products.								
6	5. Stiff porridge.								
7	. Thin porridge.								
8	S. Sweet and salted ready to eat baked products.								
9	. Seed based product								
1	0. Dried products								
W L D									
Web Resources									
	.millets.res.in/m_recipes/Millets_Recipes-A_Healthy_choice.pdf								
Books for Refe		-1 N	T						
	hmi, B, Food Science, New Age International Private LimitedPublic	sners, r	New						
	hennai (1997). Athen M. Food Science and Experimental Foods, Conech and Co		Ма	lmoc					
2. Swamin (1988).	athan, M., Food Science and Experimental Foods, Ganesh, and Co	mpany	, 10120	mas					

## LIBRARY AND INFORMATION SCIENCE

# **Certificate Course**

### Library Organization and Management

### 2021-2022 onwards



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)

#### VISION

To would learners into accomplished individuals by providing them with a stimulus for social change through character, confidence and competence.

#### MISSION

- 1. Enlightening the learners on the ethical environmental issues.
- 2. Extending holistic training to shape the learners in to committed and competent citizens.
- 3. Equipping them with soft skills for facing the competitive world.
- 4. Enriching their employability through career oriented courses.
- 5. Ensuring accessibility and opportunity to male education affordable to the underprivileged.

## Certificate Course in Library and Information Sciences (C.L.I.Sc.)

#### (English Medium)

#### **1. Programme Objectives:**

- 1. To gain knowledge is fundamental principals of library & information sicnece
- 2. To carrier opportunity
- 3. To create awareness among students to make use of library effectively.

#### 2. Target Group of Learners

- 1. To make an opportunity for carriers development
- 2. Students of their institution and those who are willing to join.

#### **Duration of the Programme**

#### **Duration:**

As per University norms (one year)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE (For those who joined in 2021-2022 and after)

Course Name	LIBRARY ORGANISATION AND MANAGEMENT (Theory)			
Course Code	21ULICR1	L	Р	C
Category	Certificate Course	45	-	1
Nature of cours	e: EMPLOYABILITY 🖌 SKILL ORIENTED 🖌 ENTREPREN	IURSI	HP	$\checkmark$
Course Objecti	ves:			
Unit: I			1	)
Need & Purpose	of Library in Society - various type of libraries			
Unit: II			1(	)
Library Managem	ent – Various sections – Routines & functions			
Unit: III			05	5
Implications of	five laws of library science			
Unit: IV			10	)
Need & purpose	of five laws of library science			
Unit: V	of five faws of fibrary science		1(	)
ICT in Libraries	Total Lecture H	ours	<b>45 H</b>	rc
Books for Stud		ours	<b>4</b> 5 II	15
Books for Refe	rences:			
<ol> <li>M.S. Qureshi</li> <li>Pankaj Kum Publishing H</li> </ol>	, Laws of Library Science, Rajat Publications, New Delhi, India 2018. ar Singh, Library Information Services and Systems, 1 <sup>st</sup> ed., Tilak V puse Pvt. Lts., New Delhi 2014			
3. K.S. Umapat Lts., New De	hy, Information Sources: An International Selective Guide, Vikas Publis lhi.	shing H	Iouse	Pvt.
4. K.G. Rastogi	Reference Services in Library Science – Alfa Publications, New Delhi 20			
5. Raghunath P New Delhi 20	andey, Libaray Management: New Concepts and Practices, Hnanadas P 017.	rakasha	in (Pa	хD),
6. Rajaraman, V	., Fundamentals of Computers, 4 <sup>th</sup> ed., PHI learning Pvt, Ltd., New Delhi		010	
7. Prakash Naya	ran Raj, Library Automation in Modern age, Random Publications, New I	Jeini 2	018	



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE (For those who joined in 2021-2022 and after)

Course Name	Information Processing – Classification and Cataloguing (Practi	cal)		
Course Code	21ULICPR	L	Р	C
Category	Certificate Course	-	45	1

- 1. CC Practice Classification of Document Using Colon Classification (6<sup>th</sup> Edition).
- CCC Practice Cataloguing of Titles of Documents according to Classified Catalogue Code (5<sup>th</sup> Edition).

#### References

- 1. Rangantahan S.R, Colon Classification Ed 6, Ess Ess Publication
- Rangantahan S.R, Classified Catalogue Code With Additional Rules To Dictionary Catalogue, Ed. 5: Ess Ess Publication, 2006

# **B.A., ENGLISH**

## **Certificate** Course

## **Program Code: UEN**

### 2021-2022 onwards



#### MANNAR THIRUMALAI NAICKER COLLEGE(AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF ENGLISH (For those who joined in 2021-2022 and after)

Course Ma	me	PROFI	ESSIONA	L SKI	L	LS									
Course Co	ode	21CEN	C21										L	Р	C
Category		Certific	cate Cour	se									45		2
Nature of c	cours	e: EMP	LOYABI	LITY	~	SKILI		<b>ENT</b>	ED	$\checkmark$	ENT	REPR	ENU	RSH	IP
Course Ob	-						66								
1. To a context		the lang	guage skil	ls of st	ude	ents by	offer	ing ade	equate	e prac	ctice in	profe	ession	al	
		e cognit	ive, logic	al verb	nal	and an	alvtic	al chil	le of t	he st	udents				
			ic compet									ent co	mmii	nicat	ion
			ts' critical												
situatio	-				8									2	
		e studen	ts underst	and the	e si	gnifica	nce o	f non-	verbal	l com	nmunic	ation	in		
	-	contexts				-									
Unit: I	Pro	fessiona	l Commu	nicatio	on									0	9hrs
1. Commu	nicati	on and it	s barriers												
2. Personal	SWO	) T Analy	ysis												
3. Phone C															
4. Negotiat	tions,	Compla	ints and C	onflict	S										
5. Scheduli	ing Ev	vents/ M	eetings												
Unit: II	Bus	iness Co	orrespond	lence a	nt V	Vorkpl	lace							0	9hrs
1. Time M	anage	ment												I	
2. Practice	-		Vriting/ P	assing,	Fil	lling of	Mes	sage F	orms						
3. Sending	Mem	orandun	n, Emails	& Lett	ers.	•									
4. Notices,	0														
5. Transco				e or St	atis	stics int	to a re	eport.							
Unit: III	Pre	sentatio	n Skills											0	9hrs
1.Presentat	ion te	chnique	s & conne	cting v	vith	n the A	udien	ce							
2.Deliverin	ng Sho	ort speec	hes/ Snap	talks											
3.Using vis						-	-	-							
4.Listing in				eas - Seas - S	equ	iencing	g – Su	mmar	izing	& co	ncludii	ng			
Unit: IV	Mee	lia Skill	S											0	9hrs
1. Making	offici	al annou	ncements	for var	riou	is occa	sions								
2. Preparin	-				-	ning ac	dverti	semen	its						
3. Writing	-		-	b-conte	ent										
4. Comperi	ing fo	r Social	Events												

- 1. Components of non-verbal communication
- 2. Methods and execution of non-verbal communication
- 3. Reading positive non-verbal signs from great personalities
- 4. Importance of effective non-verbal communication

Total Lecture Hours | 45 Hrs

#### **Books for Study:**

Sweeney, Simon. English for Business Communication Teacher's Book. Germany, Cambridge University Press, 2003.

Anderson, Chris. TED Talks: The Official TED Guide to Public Speaking: Tips and Tricks for

Giving Unforgettable Speeches and Presentations. United Kingdom, John Murray Press, 2016.

#### **Books for References:**

Roche, Marc. Business English Communication: Advanced Skills ©. Master English for Business and Professional Purposes. How to Communicate at Work: +700 Online Business English Resources. Business English Originals ©. N.p., Amazon Digital Services LLC - KDP Print US, 2020.

Web Resources:

https://www.coursera.org/specializations/professional-skills-for-the-workplace

https://www.edx.org/course/public-speaking-

2?index=product&queryID=5f205ce889c0442942c49cad065b8862&position=10

https://www.edx.org/course/effective-business-

communication?index=product&queryID=5f205ce889c0442942c49cad065b8862&position=8

Course	e Outcomes	K Level
After the	ne completion of this course, the students will be able to	
CO1:	Expressing language for speaking with confidence in an intelligible and acceptable manner	K2
CO2:	Understand the importance of business correspondences at workplace	K2
CO3:	Apply the techniques and strategies of presentation skills in public speaking	K3
CO4:	Organizing their own ability to improve their own competence in using the language	K4
CO5:	Assessing non-verbal communication in a professional context	K5

Course Designed by:

(i) Mrs.L.Mirunalini, Assistant Professor, & (ii) Mr.S.Balaji, Assistant Professor

## BBA

## **Certificate** Course

## **Program Code: UBA**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE(AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION (For those who joined in 2021-2022 and after)

Course Nam	ne E	VENT MANAG	EMEN	T						
Course Code	e 2	1CBAC21						L	Р	C
Category	C	ertificate Cours	e					45	-	2
Nature of cou	urse:	EMPLOYABIL	JTY ✓		SKILL ORIENTED	$\checkmark$	ENTREPR	ENU	RSH	IP
Course Obje	ective	s:	•							
		e	respons	sib	ilities of Event Manage	ment	and aware of	of eve	nt	
management	as a p	profession.								
2. Gain basic	knov	vledge about ever	nt plann	nin	g and acquire competen	cies	to: Plan a pr	oposa	ıl on	
management	of an	event.								
3. Understand	d and	develop Marketin	ng skill	s f	for promoting and brand	ing a	an event suce	cessfu	ılly.	
		-	-						J	
4. To study tr	ne sar	ety and security r	neasure	es	involved in organizing a	an ev	ent.			
5. To prepare	e the	event budget and	crisis p	ola	in to control the event.					
Unit: I (	Conce	ept of Event Mar	nageme	en	t				09	hrs
Historical par	ranaat	iva Introduction	to Evo	nt	Management - Basic ur	dara	tonding of a	vont		
					anagement industry in In			vent		
		ing event and ev							09	hrs
Aim of event	t- Dev	elop a mission –	Establi	sh	Objectives-Preparing e	vent	proposal- pl	annin	g	
process-Relev	vant l	egislations-legal	permiss	sic	ons/licenses.				0	
Unit: III N	Mark	eting and Brand	ling						09	hrs
		0	e							
		01			x-sponsorship-Introductinding, celebrity manage			ative	_	
newspaper-ac	us/pos	sters/noardings, E		Tal	nonig, celebrity manage	mem				
Unit: IV S	Safety	v and Security –							09	hrs
Security- Occ	cupati	onal Safety-Ever	nt Risk	M	anagement, crowd mana	igem	ent, safety F	lanni	ng-ru	lles
and regulation	on.									
Unit: V I	Budge	et and Crisis Ma	nagem	en	nt-				09	hrs
Budget astim	nated	nooma Brookova	n noint	- 0	ash flow analysis-Conce	ant o	foricio turo	ofer	inia	
-			-		ash now analysis-Conce at plan-contingency plan	-	i crisis-types		1515-	
			<u> </u>		1 0 J F					

	Total Lecture Hour	s 45 Hrs
Books	for Study:	
Books	for References:	
Web R	Resources:	
Cours	e Outcomes	K Level
After t	ne completion of this course, the students will be able to	
CO1:	Students will become familiar with the key concepts of managing an event understand various aspects of events and types of events	K2
CO2:	Operate the event planning process to obtain a sense of responsibility for the multi-disciplinary nature of event management	K3
CO3:	Examine the marketing skills and challenges faced in managing an event to gain confidence and enjoyment from involvement in the dynamic industry of event management	K4
CO4:	Analyze the key elements of a events and the processes involved in safety and security - venue selection, registration, catering, accommodation, transport, theming, and entertainment	K4
CO5:	Sketch the management essentials such as developing budgets, critical paths, work breakdown structures, risk mitigation and contingency plans	К3

In practical paper, students will be tested for planning, concept, designing and lay out of an even, specimen format will be given below and practical paper will carry 100 marks.

#### **Table of contents**

- 1. Define goals and objectives
- 2. Establish a budget
- 3. <u>Build your team</u>
- 4. <u>Pick your venue and date</u>
- 5. <u>Develop event branding</u>
- 6. <u>Plan your program</u>
- 7. <u>Confirm sponsors, exhibitors, and speakers</u>
- 8. <u>Identify and select tech tools</u>
- 9. Create a marketing and promotional plan
- **10.** Determine your measurement

# **BBA (SF)**

# **Certificate Course**

### **Program Code: UBA**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF BUSINESS ADMINISTRATION (SF) (For those who joined in 2022 and after)

Course Name	DIC	GITAL BUSINESS MANA	GEMENT				
Course Code	210	CBACC22			L	Р	С
Category	Cer	tificate Course			45	-	2
Nature of cour	se:	EMPLOYABILITY	SKILL ORIENTED	ENTREPR	ENE	URS	HIP
COURSE OBJ	ЕСТ	IVES:					
<ol> <li>To know</li> <li>To gain</li> <li>To under</li> </ol>	v the the k erstan	good conceptual understand components of Digital Busis nowledge in E-Commerce. d the functions of Electronic e skills required to manage	ness. c market.				
	-	iction to Digital Business	the Digital Dusiness.				9hrs
Meaning – Evo Challenges and	lutior Oppo	of Digital Business, Differ ortunities in Digital Busines				rce, India	•
	0	business Infrastructure					9 hrs
Meaning – com components of	-	nts of Digital Business. Digital Strategy	ital business strategy- m	eaning, chai	acteri	stics	, key
	<u> </u>	merce					9 hrs
Meaning – Typ	es - E	2B, B2C and C2C, Benefits	s and Limitations of E-co	ommerce - H	Busine		<i>y</i> <b>m</b> <i>y</i>
applications of	E cor	nmerce.					
		nic market					9hrs
Traditional mar	ket. I	- Functions of Digital mark Electronic payment system – d and Credit Card.					VS
		ing Digital Business					9hrs
		e in Digital Business, Mana					
		igital Business – Encryption	n, Digital Signature and	Security cer	tificat	es.	
Security Threat	s to L	ngitai Business.	Tot	al Lecture	Hour	s 4	5 hrs
Text Book: A t	extb	ook on E-commerce - Publ				5	
<ol> <li>Digital Busin</li> <li>Introduction</li> </ol>	iess a to E-l	vision to fulfillment-Elias M nd E-Commerce Manageme pusiness-Management and S concepts and Strategy –Elois	ent,–Dave Chaffey, Augu Strategy-Colin Combe, E	ust 2014 LSVIER, 20	006		
Web Resource	S						
https://www.mo	oc-lis	s.nptel.ac.in/noc19 mg54/ c.com/course/digital-business ist.com/course/digital-busin	-act-digital-world-coursera				

#### LESSON PLAN

UNIT	SUBJECT NAME	Hrs	Mode
I	Introduction to Digital Business Meaning – Evolution of Digital Business, Differences between E-Business and E-Commerce, Challenges and Opportunities in Digital Business. Recent scenario of Digital Business in India.	9 hrs	Lecture Method
II	Digital business Infrastructure Meaning – components of Digital Business. Digital business strategy- meaning, characteristics, key components of digital Strategy.	9 hrs	Lecture Method
ш	<b>E-Commerce</b> Meaning – Types - B2B, B2C and C2C, Benefits and Limitations of E-commerce - Business applications of E commerce.	9 hrs	Lecture Method
IV	Electronic market Meaning – definition - Functions of Digital market - Factors of Digital market. Digital market vs Traditional market. Electronic payment system – Modes – Bank Transfer, E-Wallets, Mobile Payments, Debit Card and Credit Card.	9 hrs	Lecture Method, video session
V	Managing Digital Business Managing Knowledge in Digital Business, Management skills required for Digital business. Security system in Digital Business – Encryption, Digital Signature and Security certificates. Security Threats to Digital Business.	9 hrs	Lecture Method &group activity



# **Certificate Course**

## **Program Code: USW**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



#### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF SOCIAL WORK (For those who joined in 2020-2021 and after)

	PER	SONALITY ENI	HANC	ING SKILLS				
Course Code	21C	SWC21				L	P	C
Category	Cert	ificate Course				45		2
Nature of cour	se:	EMPLOYABILI	TY	SKILL ORIENTED	ENTREP	REN	URS	HIP
COURSE OBJ	IECT	IVES:						
CO1: To know	the ba	sic concepts of Pe	rsonal	ity.				
CO2: To under	stand	the concepts and ty	ypes of	f Leadership.				
CO3: To impro	ve the	Decision making	& Prob	blem solving Skill.				
CO4: To develo	op effe	ctive Time Manag	gement	& Stress Management				
CO5: To apply	all the	required skills in	an indi	ividual's life.				
Unit: I Per	rsonal	ity Development						9
Personality: Co	ncept,	Meaning, Types of	of Perso	onality. Personality Devel	lopment – C	oncep	ot,	
Meaning, Salier	nt Fea	tures of Personality	y Deve	lopment, Factors Determ	ining Person	ality		
Development. I	mport	ance of Personality	y Deve	elopment. Benefits of per	sonality dev	elopm	ent.	
-	_	nip Skill		1 1	•			8
Leadership: Co	oncept	Types and Styles	of Lea	dership quality (Autocrat	tic, Democra	tic, L	aisse	Z
				lls required for Good lead				
		ship, ways to build			<sup>×</sup>		,	
		making & Probl	em sol					8
		making & Probl		lving Skill	e of Decision	n Mał		
Decision making	ng- Co	oncept, Meaning, s	teps (o	<b>lving Skill</b> or )Process and importance			ting.	
Decision making Ways to improve	ng- Co ve Dec	ncept, Meaning, s ision making skill	teps (o . Prob	<b>Iving Skill</b> or )Process and importance lem solving Skill- Definit	tion of Probl	em, C	king. Conce	ept,
Decision making Ways to improve Meaning, Strate	ng- Co ve Dec egies t	oncept, Meaning, s ision making skill o overcome the Pro-	teps (o . Prob	<b>lving Skill</b> or )Process and importance	tion of Probl	em, C	king. Conce	ept,
Decision making Ways to improve Meaning, Strate of Problem solv	ng- Co ve Dec egies t ving sk	oncept, Meaning, s ision making skill o overcome the Pre- ill	teps (o . Prob oblem	<b>lving Skill</b> or )Process and importance lem solving Skill- Definit – Concept of Problem sol	tion of Probl	em, C	ting. Conce porta	ept,
Decision making Ways to improve Meaning, Strate of Problem solv <b>Unit: IV</b> Time	ng- Co ve Dec egies t ving sk <b>ne Ma</b>	oncept, Meaning, s ision making skill o overcome the Pre- till magement & Stree	teps (o . Prob oblem	<b>Iving Skill</b> or )Process and importance lem solving Skill- Definit – Concept of Problem sol magement	tion of Probl lving skill ar	em, C nd Imj	cing. Conce porta	ept, nce 10
Decision making Ways to improve Meaning, Strate of Problem solve <b>Unit: IV Time</b> Time Managem	ng- Co ve Dec egies t ving sk ne Ma nent - 0	oncept, Meaning, s ision making skill o overcome the Pre- cill anagement & Stre Concept, Meaning.	teps (o Prob oblem ess Ma , steps	<b>Iving Skill</b> or )Process and importance lem solving Skill- Definit – Concept of Problem sol <b>magement</b> (or )Process and importan	tion of Probl lving skill ar	em, C nd Imj Mana	cing. Conce porta	ept, nce 10
Decision making Ways to improve Meaning, Strate of Problem solv <b>Unit: IV Tim</b> Time Managerr Ways to improve	ng- Co ve Dec egies t ving sk ne Ma nent - O ve Tim	oncept, Meaning, s ision making skill o overcome the Pre- cill <b>magement &amp; Stre</b> Concept, Meaning, te Management sk	teps (o Prob oblem ess Ma , steps ill. Stre	<b>Iving Skill</b> or )Process and importance lem solving Skill- Definit – Concept of Problem sol <b>magement</b> (or )Process and importance ess Management - Defini	tion of Probl lving skill ar nce of Time tion of Stres	em, C nd Imp Mana s, Typ	cing. Conce porta geme pes,	ept, nce 10 ent.
Decision making Ways to improve Meaning, Strate of Problem solv <b>Unit: IV</b> Time Time Managerry Ways to improve Strategies to over	ng- Co ve Dec egies t <u>ving sk</u> ne Ma nent - O ve Tim ercom	oncept, Meaning, s ision making skill o overcome the Pre- till <b>magement &amp; Stre</b> Concept, Meaning, te Management sk e stress. Emotions	teps (o Prob oblem ess Ma , steps ill. Stre	<b>Iving Skill</b> or )Process and importance lem solving Skill- Definit – Concept of Problem sol <b>magement</b> (or )Process and importan	tion of Probl lving skill ar nce of Time tion of Stres	em, C nd Imp Mana s, Typ	cing. Conce porta geme pes, tions	ept, nce 10 ent.
Decision making Ways to improve Meaning, Strate of Problem solv Unit: IV Tin Time Manager Ways to improve Strategies to ov Unit: V Co	ng- Co ve Dec egies t ving sk ne Ma nent - O ve Tim ercom mmu	oncept, Meaning, s ision making skill o overcome the Pre- cill <b>magement &amp; Stre</b> Concept, Meaning the Management sk e stress. Emotions <b>nication</b>	teps (o Prob oblem ess Ma , steps ill. Stre -Conc	<b>Iving Skill</b> or )Process and importance lem solving Skill- Definit – Concept of Problem sol <b>magement</b> (or )Process and important ess Management - Definit cept and types, Strategies	tion of Probl lving skill ar nce of Time tion of Stres to overcome	em, C nd Imj Mana s, Tyj Emo	cing. Conce porta geme pes, tions	ept, nce <u>10</u> ent.
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Decision making Ways to improve Meaning, Strate of Problem solvUnit: IVTime Time Managem Ways to improve Strategies to ove Unit: VUnit: VCo Communication	ng- Co ve Dec egies t <u>ving sk</u> ne Ma nent - G ve Tim <u>ercom</u> mmun on - C ; Nor	oncept, Meaning, s ision making skill o overcome the Pre- till <b>magement &amp; Stre</b> Concept, Meaning, te Management sk e stress. Emotions <b>nication</b> Concept, Types of Verbal - Body La	teps (o Prob oblem ess Ma steps ill. Stre -Conc Comm nguage	Iving Skill or )Process and importance lem solving Skill- Definit – Concept of Problem sol magement (or )Process and important ess Management - Definit espt and types, Strategies munication: Verbal - Interprete: Gestures, Posture , Eye	tion of Probl lving skill ar nce of Time tion of Stres to overcome personal , In contact , Fa	em, C nd Imp Mana s, Typ Emo tra P acial	cing. Conce porta geme pes, tions ersoi	ept, nce <u>10</u> ent. <u>10</u> nal
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Decision making Ways to improve Meaning, Strate of Problem solve Unit: IV Tim Time Manager Ways to improve Strategies to ove Unit: V Co Communication Expressions, P and Importance <b>Books for Stud</b> 1.The personali	ng- Co ve Dec egies t <u>ving sk</u> nent - Q ve Tim ercom <b>mmun</b> on - C ; Non osition e of Eti ly: ty dev	elopments book-b	teps (o Prob oblem ess Ma steps ill. Stree -Conc Comm nguage cing, Si erism. y Sour	Iving Skill r)Process and importance lem solving Skill- Definit – Concept of Problem sol magement (or )Process and importancess Management - Definit cept and types, Strategies nunication: Verbal - Interpret e: Gestures, Posture , Eyee tanding, Handshakes , Op To av Das.	tion of Probl lving skill ar nce of Time tion of Stres to overcome personal , In contact , Fa otimal Distar	em, C nd Imp Mana s, Typ Emo tra P acial nce – 0	cing. Conce porta gemo pes, tions erson	ept, nce <u>10</u> ent. <u>10</u> nal
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Decision $\square$ kit Ways to $\square$ V Meaning, $\exists$ Tata of Problem $\exists$ V Unit: IV Tin Time Manager Ways to $\square$ V Strategies $\forall$ OV Unit: V Co Communication Expressions P and Importance I.The personali 2. Communication	ng- Co ve Dec egies t ving sk ne Ma nent - G ve Tim ercom mmun on - C ; Non osition of Ett ly: ty dev ion Sk erence	elopments book-b ills for Profession	teps (o Prob oblem ess Ma steps ill. Stre -Conc Comm nguage cing, St erism. y Sour- als and	Iving Skill r )Process and importance lem solving Skill- Definit – Concept of Problem sol magement (or )Process and importance ess Management - Definite tept and types, Strategies munication: Verbal - Interpreter e: Gestures, Posture , Eyet tanding, Handshakes , Op Teat av Das. I Students-Dr. Amitabh D	tion of Probl lving skill ar nce of Time tion of Stres to overcome personal , In contact , Fa otimal Distar	em, C nd Imp Mana s, Typ Emo tra P acial nce – C	cing. Conceporta geme bes, tions ersor Conce <b>rs</b>	ept, nce <u>10</u> ent. <u>10</u> nal eept <u>45</u>
Decision making Ways to improve Meaning, Strate of Problem solv Unit: IV Tin Time Manager Ways to improve Strategies to ov Unit: V Co Communication Expressions, P and Importance Books for Stud 1.The personali 2. Communication Books for Refe	ng- Co ve Dec egies t <u>ving sk</u> nent - Q ve Tim ercom <b>mmun</b> on - C ; Non osition co f Et ly: ty dev ion Sk erence (2006	elopments book-b ills for Profession	teps (o Prob oblem ess Ma steps ill. Stree -Conce Comm inguage cing, Si erism. y Sour- als and elopme	Iving Skill r)Process and importance lem solving Skill- Definit – Concept of Problem sol magement (or )Process and importancess Management - Definit cept and types, Strategies nunication: Verbal - Interpret e: Gestures, Posture , Eyet tanding, Handshakes , Op To av Das. I Students-Dr. Amitabh D ent, New Delhi, Tata McC	tion of Probl lving skill ar nce of Time tion of Stres to overcome personal, In contact, Fa otimal Distar otal Lecture wivedi	em, C nd Imp Mana s, Typ Emo tra P acial nce – C	cing. Conceporta geme bes, tions ersor Conce <b>rs</b>	ept, nce <u>10</u> ent. <u>10</u> nal eept <u>45</u>
Decision making Ways to improve Meaning, Strate of Problem solve Unit: IV Time Time Manager Ways to improve Strategies to ove Unit: V Co Communication Expressions, P and Importance Books for Stude 1. The personali 2. Communication Expressions Books for Stude 1. The personali 2. Communication Books for Reference 1. Hurlock E.B.	ng- Co ve Dec egies t <u>ving sk</u> ne Ma nent - Q ve Tim ercom mmun on - C ; Non osition of Et ly: ty dev ion Sk erence (2006 e Con	elopments book-b iils for Profession	teps (o Prob oblem ess Ma steps ill. Stree -Conce Comm inguage cing, Steps erism. y Sour- als and elopme VAYA	Iving Skill r )Process and importance lem solving Skill- Definit – Concept of Problem sol magement (or )Process and importance ess Management - Definite tept and types, Strategies munication: Verbal - Interpreter e: Gestures, Posture , Eyet tanding, Handshakes , Op Teat av Das. I Students-Dr. Amitabh D	tion of Probl lving skill ar nce of Time tion of Stres to overcome personal, In contact, Fa otimal Distar otal Lecture wivedi	em, C nd Imp Mana s, Typ Emo tra P acial nce – C	cing. Conceporta geme bes, tions ersor Conce <b>rs</b>	ept, nce <u>10</u> ent. <u>10</u> nal eept <u>45</u>



## **Certificate** Course

## **Program Code: UCC**

### 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE(AUTONOMOUS)



### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF COMMERCE WITH CA (For those who joined in 2021-2022 and after)

Course Name	e (	Goods and Ser	vices Ta	ax (	(GST)					
Course Code	2	21CCCC21						L	Р	C
Category	(	Certificate Co	urse					45	-	2
Nature of cou	irse	EMPLOYAI	BILITY	~	SKILL ORIENTED	~	ENTREPR	ENU	RSH	IP
Course Objectives:										
1. To actuate the language skills of students by offering adequate practice in professional										
contexts.										
0	2. To generate cognitive, logical, verbal and analytical skills of the students									
	-	U 1			udents that will help the					
	pen	students' critic	cal think	ing	skills and to make them	cultu	irally aware	of the	targ	et
situation										
			rstand th	e si	gnificance of non-verbal	com	munication	in		
profession										
Unit: I I	ntro	duction to G	ST						09	hrs
Definition-Me	eani	ng –Structure o	of GST-	Hig	hlights of GST- Admini	strati	on –Classes	of Of	ficer	s –
		-		-	om Tax- Tax Rate Struct					~
		and Collectio							09	hrs
				Goo	ods and Service Tax- Cor	npos	ition Levy-7	Taxabl		
•					x - Time, Value and Plac	-	•	unuoi	C	
		*			ration Procedures	0 01	Suppij.		0	hrs
					Tax Credit - Recovery of	innu	t tax Credit	and in		
		ation – Registra				inp «		4110 111		c
		Invoice, Credi							09	hrs
					outward supplies –Furni	shin	g details of i	nward		
supplies -			8		·····	~	5		-	
	Reti	ırn – Annual R	eturn –F	Fina	l Return – Notice to retu	rn de	faulters- Le	vv of	late f	ee
– Tax Return								5		
	-	nent of Tax							09	hrs
			nts- Inte	rest	t on delayed payment of	Tax -	– Tax Dedu	ction a		
					ax - Accounts and record					
					Т	otal	Lecture Ho	urs	45 H	lrs
Books for Stu	udy	:								
Gupta S.S	S and	d Datey. V.S "	Guide t	o N	ew Model GST LAW",	Tax	man Publica	tion I	vt. 1	New
Delhi.		5			,				,	
Books for Re	efere	ences:								
			GST), D	r.H	.C.Mehrotra, Prof. V.P.A	Agarv	val: Sahitya	Bhawa	an	
	publications: Agra,									
-		-	s Law , I	Dr. V	Vinod K. Singhania, Taxn	nann	Publications	Pvt.L	td.	
Web Resource			,							
-		books intuit cor	n/in/reso	lirce	es/gst-center/gst-basics/					
<b>±</b> • <u>mups://c</u>	<u>inter</u>	LUOUKS.IIIUII.COI	11/11/10/0	urce	s/gst-comer/gst-basics/					

- 2. <u>https://www.indiafilings.com/learn/gst-registration-procedure/</u>
- 3. <u>https://cleartax.in/s/assessment-gst</u>
- 4. <u>https://www.taxmann.com/post/blog/practice-questions-based-on-valuation-under-the-customs-act-1962/?amp</u>
- 5. <u>https://tax2win.in/guide/gst-council</u>

J.	<u>https://tax2win.in/guide/gst-council</u>			
Course	Course Outcomes			
After the	After the completion of this course, the students will be able to			
<b>CO1:</b>	<b>CO1:</b> To provide students with a basic knowledge of Principles and Provisions of			
	GST.			
<b>CO2:</b>	Impart knowledge of Levy, Input Tax Credit, Registration and Tax Invoice.			
CO3:	Familiarize students to Returns, Payment of Tax and Accounts and Records.			
<b>CO4:</b>	Develops Employability Skill.			
<b>CO5:</b>				

Course Designed by:

- (i) Mrs.L.Mirunalini, Assistant Professor, Department of English (SFW)
- (ii) Mr.S.Balaji, Assistant Professor, Department of English (SFW)

#### **LESSON PLAN**

UNIT	Goods and Services Tax (GST)	Hrs.	Mode
Ι	Introduction to GST	9	L / Chalk & Talk
II	Levy and Collection	9	L/Chalk & Talk
III	Input Tax Credit and Registration Procedures	10	L / PPT
IV	Tax Invoice, Credit and Debit Notes	8	L / PPT
V	Payment of Tax	9	Chalk/PPT

**Course Designed by:** 

Mr.A.Sarweswaram, Assistant Professor, Dr.N.Illambirai, Assistant Professor &Mr.C.KarthickKumar, Assistant Professor

# **B.COM.**, (SF)

# **Certificate** Course

# **Program Code: UCO**

# 2021-2022 onwards



# MANNAR THIRUMALAI NAICKER COLLEGE(AUTONOMOUS)

Re-accredited with "A" Grade by NAAC PASUMALAI, MADURAI – 625 004



## MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF COMMERCE (SF) (For those who joined in 2021-2022 and after)

Course Name	TOURISM MARKETING	Y F				
Course Code	21CCOC21			L	Р	С
Category	CERTIFICATE COURSE	E		45	-	2
Nature of Cou	rse: EMPLOYABILITY	SKILL ORIENTED	ENTREPH	RENE	URS	SHIP
COURSE OBJ	ECTIVES:					
	e basic knowledge of tourism					
	nowledge about the concepts		n marketing	3.		
	stand the various functions of	6				
	inciples of tourism as to plan		ion to trave	1.		
	tical knowledge on tourism n	narketing.				
	roduction of Tourism:					9 Hrs
Introduc	tion-Tourist-Typology of To	urism-Tourist Organization i	n India –In	dia To	ouris	m
	orporation (ITDC)-Market po					
Unit: II To	urism Marketing:				g	Hrs
	tion –Tourism Marketing – O	biectives of Marketing Tour	rism-Impor	tance	of	
Tourism	6		I I			
Unit: III To	urism Product planning and	l Development:			g	Hrs
	tion-Product: the Concept –Sa		oduct- Tou	rism I	Produ	act
Planning and D	-		0000000000	15111 1	1000	201
	rketing Four 'A' of Touris	n:			9	Hrs
Introducti	on-Marketing Tourist Attract	ion - Marketing Tourist Acco	ommodation	n - M	arket	ing
	Iarketing Tourist Amenities	-				•
Unit: V To	urism Sector in India:				g	) Hrs
Introductio	on-Domestic Tourism in India	(Public & Private) –Interna	tional Tour	ism P	racti	ces
in India.						
		Tot	al Lecture	Hou	<b>s</b> 2	45
Book for Stud	lv:					
1.Tourism Marl						
	ion to the business of Tourisn	n -Venu vasudevan ,B.Vijaya	a Kumar,B.	R.Sar	oop	Roy
	rism Management – Suddhen				-	•
<b>Book for Refe</b>		• • •				
1. Bhatia.A.K,		ciples and Practices, S	terling Pub	lisher	s. Ne	ew
Delhi, 1982.	Ĩ	1	U		, ,	
· ·	ber (et.al), Tourism - Princip	les and Practice, Pitman	Publishing	g, Lor	don.	•
1993.			· · · ·			
3.An Introduct	ion to the business of Tourisn	n -Venu vasudevan ,B.Vijaya	a Kumar,B.	R.Sar	oop	Roy
	urism Management – Suddhe					-
Web Resourc	e:					

https:	https://youtube/K1P85nJNWCs				
Cours	e Outcome:				
<b>CO1:</b>	To identify the students to gain basic knowledge of tourism	Up tok1			
<b>CO2:</b>	To analyse the tourism marketing regard with objectives and importance.	Up tok3			
<b>CO3:</b>	To analyze the tourism product planning and development.	Up to k4			
<b>CO4:</b>	To apply the 4 A's in tourism Marketing	Up to k3			
<b>CO5</b> :	To understand the Tourism Sectors in India both Public and Private	Up to k2			

## **LESSON PLAN**

UNIT	SUBJECT NAME	Hrs	Pedagogy
Ι	<b>Introduction of Tourism:</b> Introduction-Tourist-Typology of Tourism-Tourist organization in India –India Tourism Development Corporation (ITDC)-Market Potentials of Tourism Industry	9Hrs	Black Board & PPT
II	<b>Tourism Marketing:</b> Introduction –Tourism Marketing – Objectives of Tourism Marketing -Importance of Tourism	9Hrs	Black Board & PPT
III	<b>Tourism Product planning and Development:</b> Introduction-Product: the Concept –Salient features of Tourism Product- Tourism product planning and Development	9Hrs	Black Board & PPT
IV	<b>Four 'A' in Tourism Marketing:</b> Introduction-Marketing Tourist Attraction - Marketing Tourist Accommodation - Marketing Accessibility- Marketing Tourist Amenities	9Hrs	Black Board & PPT
V	<b>Tourism Sector in India:</b> Introduction-Domestic Tourism in India (Public & Private) – International Tourism in India.	9Hrs	Black Board & PPT
	Total Hours	45 Hours	

## Course designed by:

Mrs. P. ISWARYALAKSHMI, Assistant Professor of Commerce (SFW),

# **B.A., TAMIL**

# **Certificate** Course

# **Program Code: UTA**

# 2021-2022 onwards



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)

Re-accredited with "A" Grade by NAAC PASUMALAI, MADURAI – 625 004



### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF TAMIL (For those who joined in 2021-2022 and after)

Course Name	பண்ணிசை					
Course Code	21CTAC21 L					
Category	Certificate Course	45	-	2		
Nature of cour	se: EMPLOYABILITY SKILLORIENTED 🖌 ENTREF	PREN	URS	HIP		
<b>Course Object</b>	ives					
1. பண்ண	சை பற்றித் தெரிந்து கொள்ள முடிகின்றது.					
2. தேவார	ப் பண்களுக்கு இணையான இராகங்களை அறியமுடிகிறது.					
3. தாளங்க	5ளைக் கற்றுக்கொள்ள முடிகின்றது.					
4. மாணவ	ர்கள் பண்முறையில் பாடல்களைப் பாட வழிவகுக்கிறது.					
5. <b>இறை</b> ெ	நறியில் மாணவர்களை நெறிப்படுத்துகிறது.					
UNIT I (	பண்ணிசை அறிமுகம்)		9			
பன்னிரு தி	ருமுறை அறிமுகம் – பன்னிரு திருமுறைகளை ஓதும் விதம்	-	பன்	னிரு		
திருமுறைகள	ளை ஓதுவதன் மூலம் கிடைக்கும் பலன்கள் – திருமுறைகளைப் பா	ாடத்த	பவங்	<b>பகு</b> ம்		
முறை - திரு	ழறைகளைப் பாடிய பின் நிறைவு செய்யும் முறை.					
UNIT II (L	பண்முறை)		9			
பண்முறை –	· தேவாரப் பண்கள் – பகற்பண் – இரவுப்பண் – பொதுப்பண் -	- பன்	ாகள	நக்கு		
இணையான	் செவ்வியல் இராகங்கள்.					
UNIT III (j	5ாளங்கள்)		9			
தாளங்கள் –	ஆதி – ரூபகம் – சாப்பு – தாள சாதிகள் – திருப்புகழ் – அபிராமி அ	டிந்தா	தி –	சந்த		
நயங்கள் – த	ாளத்தொடு பதிகம் பாடுதல்.					
UNIT IV (j	ிருஞானசம்பந்தர் (திருக்கடைக்காப்பு -		9			
1) முதல் த	ிருமுறை – குறிஞ்சி – வாசி தீரவே – திருவீழிமிழலை					
	_ாம் திருமுறை – காந்தாரம் – மந்திரமாவது – திருஆலவாய்					
3) இரண்ட	_ாம் திருமுறை – பியந்தைக்காந்தாரம் –வேயுறுதோளிபங்கன் –					
திருமன	றக்காடு					
4) மூன்றா	ம் திருமுறை – கொல்லி  – மானின்னேர் விழி – திருஆலவாய்					
	ம் திருமுறை – புறநீர்மை – மங்கையர்க்கரசி – திருஆலவாய்					
UNIT V (j	ிருநாவுக்கரசர் (தேவாரம் -		9			
1) நான்கா	ம் திருமுறை சாதாரி –– தலையே நீ வணங்காய் – பொது					

2) நான்காம் திருமுறை – காந்தார ப	ஞ்சமம் சொற்றுணை வேதியன் –– பொது					
3) நான்காம் திருமுறை – காந்தாரம்	நான்காம் திருமுறை – காந்தாரம் – மாதர்பிறைக் கண்ணியானை – ஐயாறு					
4) ஐந்தாம் திருமுறை – திருக்குறுந்	ஐந்தாம் திருமுறை – திருக்குறுந்தொகை – அன்னம் பாலிக்கும் – தில்லை					
5) ஆறாம் திருமுறை – திருத்தாண்ட	கம் – வடிவேறு திரிசூலம் – திருப்பூவணம்					
	Total Lecture Hours 45					
Books for Study:						
1. பக்தவச்சலம்.ஆ -	பன்னிரு திருமுறை மூலம் முழுவதும்					
	தமிழ்வேதம் வெளியீடு					
	குடியாத்தாம், பதிப்பு  –2017					
Books for References:						
1. சித்தலிங்கம், பி.டி. –	சைவ சமயத் தோற்றமும் வளர்ச்சியும்					
	கஸ்தூரிபாய் காந்தி கண்யா குருகுலம்,					
	குருகுலம் வெளியீட்டுப் பகுதி,					
	வேதாரண்யம் – 614 810. மறுபதிப்பு – 1984.					
2. புலவர் நடராசன், ரா.பி.	- தேவாரம், திருவாசகம்					
	உமா பதிப்பகம்,					
	171, பு/எண், பவளக்காரத் தெரு,					
	மண்ணடி, சென்னை – 1.					
	மூன்றாம் பதிப்பு – 2012.					
3. திருமுருக கிருபானந்தவாரியார்	– குகஸ்ரீ வாரியார் பதிப்பகம்					
	107, சிங்கண்னத்தெரு,					
	சிந்தாதிரிப்பேட்டை, சென்னை-2.					
	முதல் பதிப்பு – 1998					
Web Resources:						
1. தேவாரப் பண்கள்	- http://www.tamilvu.org/ta/courses-diploma-					
	d061-d0613-html-d0613112-45060					
2. பண் வரலாறு	- https://bit.ly/33RejBs					
3. பண் வகைகள் -	https://bit.ly/3tH5uVT					
4. திருப்புகழ் முழுவதும் -	https://bit.ly/3Agu7Km					
പ ഉഎപ്പാന് എന്നതിന	neposiolayiongurian					



### MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF TAMIL (For those who joined in 2021-2022 and after)

Course Name	பண்ணிசை						
Course Code	21CTAC21			L	P	С	
Category	Certificate Course (பிற்ப	ருவம்)		-	-	-	
Nature of con	Irse: EMPLOYABILITY	SKILLORIENTED	✓ ENTREP	REN	URS	HIP	
Course Obje	tives	1					
1. பண்ணிசை பற்றித் தெரிந்து கொள்ள முடிகின்றது.							
2. தேவா	2. தேவாரப் பண்களுக்கு இணையான இராகங்களை அறியமுடிகிறது.						
3. தாளங்	களைக் கற்றுக்கொள்ள முடிக	கின்றது.					
4. மாண	uர்கள் பண்முறையில் பாடல்	களைப் பாட வழிவகுக்கிற	து.				
5. <b>இறை</b>	நெறியில் மாணவர்களை நெ	றிப்படுத்துகிறது					
UNIT I	(சுந்தரர் (திருப்பாட்டு -				9		
1) ஏழாப்	திருமுறை – இந்தளம் – பித்	தா பிறைசூடி – திருவெண்	ணெய்நல்லூர்	ŕ			
2) ஏழாப்	திருமுறை – பழம்பஞ்சுரம் –	மற்றுபற்றெனக்கு – திருப்	பாண்டிக்கொ	ாடுமு	டி		
3) ஏழாப்	திருமுறை – கொல்லிகௌவ	பாணம் – தில்லைவாழ் அ <u>ந</u> ்	தணர் – திருவ	யாரூர்	ŕ		
4) ஏழாப்	திருமுறை – நட்டராகம் – ெ	சண்டாடும் விடையாய் – த	ிருக்காளத்தி				
5) ஏழாம் திருமுறை – செந்துருத்தி – மீளா அடிமை – திருவாரூர்							
UNIT II	(மாணிக்கவாசகர் (திருவாசக	<del>கம் –</del>			9		
1) எட்டாந்	திருமுறை – திருவெம்பாவை	)1– 20 பாடல்கள்(					
2) எட்டாந்	திருமுறை – திருப்பொற்சுண்	ணம் )1–10 பாடல்கள்(					
3) எட்டாந்	திருமுறை – திருச்சாழல்  )1–	10 பாடல்கள்(					
4) எட்டாந்	<u> திர</u> ுமுறை – அன்னைப்பத்து	)1–10 பாடல்கள்(					
5) எட்டாந்	திருமுறை – திருப்பள்ளியெயு	ழச்சி )1–10 பாடல்கள்(					
UNIT III	( திருவிசைப்பா,திருப்பல்லா	ண்டு)			9		
ஒளிவளர் க	விளக்க <mark>ே</mark> - தன்பரம் பொரு	ளே - நீறணி பவள - தனத	ன்நல் தோழ	r - G	கோல	லமே	
மேலை - ம	ன்னுக தில்லை - பாலுக்குப்	பாலகன் - தாதையைத் தா	ளர - குழலொ	ளி ய	ாழெ	ாலி	
- ஆரார் வ	தார்						
UNIT IV	(திருப்புகழ்)				9		
சந்ததம்பந்	5 – திருப்பரங்குன்றம், விறல்	மாறனைந்து – திருச்செந்த	<u></u> தார், ஆறுமுக	ம்ஆ	ரமுக	கம் –	
பழநி, காப	ியத் தழுந்தி – சுவாமிமலை	), முத்துத் தெறிக்க – திரு	த்தணிகை, அ	அகர	ழமா	கி –	

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	ல் – குன்றுதோராடல், அதலசேடனாராட – குன்றுதே	தாராடல்,
	), முத்தைதரு - குன்றுதோராடல்	1-
UNIT V (அபிராமி அந்தாதி)		9
உதிக்கின்ற செங்கதிர் - பூத்தஎ	uளே புவனம் - மங்கலை செங்கலசம் - மணியே ம <u></u>	ணியின் -
சொல்லும் பொருளும் - அன்	றெ தடுத்து - புண்ணியம் செய்தனமே - நாயகி நா	ான்முகி -
தனம்தரும் கல்விதரும் - கூட்டி	யவா என்னை.	
	Total Lecture Hours	45
Books for Study:		
l. பக்தவச்சலம்.ஆ -	பன்னிரு திருமுறை மூலம் முழுவதும்	
	தமிழ்வேதம் வெளியீடு	
	குடியாத்தாம், பதிப்பு  –2017	
<b>Books for References:</b>		
1. சித்தலிங்கம், பி.டி.	- சைவ சமயத் தோற்றமும் வளர்ச்சியும்	
	கஸ்தூரிபாய் காந்தி கண்யா குருகுலம்,	
	குருகுலம் வெளியீட்டுப் பகுதி,	
	வேதாரண்யம் – 614 810. மறுபதிப்பு – 1984.	
2. புலவர் நடராசன், ரா.பி.	- தேவாரம், திருவாசகம்	
	உமா பதிப்பகம்,	
	171, பு/எண், பவளக்காரத் தெரு,	
	மண்ணடி, சென்னை – 1.	
	மூன்றாம் பதிப்பு – 2012.	
3. திருமுருக கிருபானந்தவாரியார்	– குகஸ்ரீ வாரியார் பதிப்பகம்	
	107, சிங்கண்னத்தெரு,	
	சிந்தாதிரிப்பேட்டை, சென்னை-2.	
	முதல் பதிப்பு – 1998	
Web Resources:		
தேவாரப் பண்கள்	- http://www.tamilvu.org/ta/courses-diploma-	
	d061-d0613-html-d0613112-45060	
பண் வரலாறு	- https://bit.ly/33RejBs	
பண் வகைகள் -	https://bit.ly/3tH5uVT	
திருப்புகழ் முழுவதும் -	https://bit.ly/3Agu7Km	

## **Certificate Course**



MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS) DEPARTMENT OF COMMERCE – CORPORATE SECRETARYSHIP (For those who joined in 2023-2024 and after)

#### MANNAR THIRUMALAI NAICKER COLLEGE (Autonomous)

#### **DEPARTMENT OF COMMERCE - CORPORATE SECRETARYSHIP**

Class : B.Com (CP) Semester : Subject Code: 21CCPC22 Part III : Value Added Course Hours : 45 Credits : 01

#### PRINCIPLES OF LIFE INSURANCE

Course Outcomes: On successful completion of the course, the students will be able to

**CO1:** Know the basic Principles of Life Insurance.

**CO2:** Analyze the benefits of individuals and the society.

CO3: Enable the Structure of Indian Insurance Industry,

CO4: Understand the Economic Principles of insurance,

CO5: Study the Structure of Indian Insurance Industry.

**UNIT-1:** Introduction: Definition - Objectives of insurance - Functions of insurance - Types of

Life insurance policies.

UNIT-2: Benefits of insurance: Benefits of insurance to individuals, to Business and to society.

UNIT-3: Economic Values of Insurance: Sharing - Premium - Bonus Discount-Claim-

Maturity Period- Surrender Value- Assignment - Renewal - Expiry- Nomination- Lapse of Policy.

UNIT-4: Basic Principles of Insurance: Utmost good Faith - Insurable Interest - Material facts

#### Volume V – Arts Syllabus / 2023 - 2024

- Indemnity - Proximate cause.

**UNIT-5:** Structure of Indian Insurance Industry: Insurance Regulatory and Development Authority (IRDA) Condition, Duties, Powers and Functions.

#### **Books for Study:**

1. P.Periasamy, Principles and Practice of Insurance, Himalaya Publishing House.

2. SIA, Principles of Insurance, SIA Publishers & Distributors Pvt Ltd, 2019 edition (2019).

3. Dr Rakesh Agarwal, Principles of Insurance, Sashi Publications; 2019 edition (2017).

#### **Books for References: book:**

1. M.Manoharan, Insurance Principles and Practice, Palani Paramounts Publications.

 Neeti Gupta, Abha Chopra, Principles of Insurance, 2018 edition, Kalyani Publishers (2018).

Academic Council Meeting held on 20.04.2023

Volume VI – Science Syllabus / 2023 - 2024

#### MANNAR THIRUMALAI NAICKER COLLEGE (Autonomous) DEPARTMENT OF MICROBIOLOGY (For those who joined in 2019-2020 and after)

## **CERTIFICATE COURSE**

#### Subject code: 21CMBC21

#### **Course title:Biofertilizer Production**

#### **Course outcomes**

On successful completion of the course, the learners should be able to

**CO1**: To describe about the importance of biofertilizers and biopesticides.

CO2: To identify bacterial, algal and fungal biofertilizer.

**CO3:**To assess the quality control of biofertilizers.

**CO4**: To distinguish symbiotic and non- symbiotic nitrogen fixers.

C05: To determine quality control of biofertilizers.

#### UNIT – I -Bacterial biofertilizer

Biofertilizer: Isolation, Characterization, Mass inoculam production - *Rhizobium*, *Azotobacter*, *Azopirillum* and *Frankiia*.

#### UNIT –II-Algal and Fungal biofertilizer

Algal biofertilizer Mass inoculam production - Blue green algae- *Azolla* – Importance; Fungal biofertilizers Mass inoculam production - Mycorrhizae – ecto and endomycorrhiza.

#### UNIT-III-Phosphate solubilizing microorganisms

Phosphate solubilizing microbes Mass inoculam production – phosphobacteria; Phosphate solubilization mechanism.

#### **UNIT - IV-Biopesticides production**

Biopesticides Mass inoculam production – Bacillus thuringiensis and Trichoderma viride; Biosafety.

#### **UNIT - V- Quality control and applications**

Carier based inoculants - Quality control of biofertilizers - Methods of biofertilizer applications, Agronomic importance.

#### **Reference books:**

- 1. Subba Rao N.S. 1995, Soil microorganisms and plant growth, Oxford and IBH publishing Co. Pvt. Ltd,NewDelhi.
- 2. Mahendra K. Rai. 2005, Hand book of Microbial biofertilizers, The Haworth Press, Inc. New York.
- 3. Kannaiyan S. 2003, Bioetchnology of Biofertilizers, CHIPS, Texas.



Hours:45

Credit:1