CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)
VALUE ADDED COURSES
INTRODUCED FROM (2021- 2022) ONWARDS

S.No	Course Code	Course Title	Offered by	Date of Introduction
1	VATA01	Kalvettiyal	Tamil	05.10.2021
2	VATA02	Kamarasarin Aalumai	Tamil	05.10.2021
3	VATA03	Kavidhai Punaithal	Tamil	05.10.2021
4	VATA04	Pottithervu Tamil Ilakkanam	Tamil	05.10.2021
5	VATA05	ThiruppavaiThiruvembpavai	Tamil	05.10.2021
6	VATA06	Medaipechu	Tamil	05.10.2021
7	VATA07	Electronic Media and Job Opportunity	Tamil	05.10.2021
8	VAHI01	Abhiruchi Hindi	Other Language	05.10.2021
9	VASA01	Sarala Samskrith Sikshak Part -I	Other Language	05.10.2021
10	VAFR01	Basic French Course	Other Language	05.10.2021
11	VAEN01	English Speaking Course	English	1.10.2021
12	VAEN02	Leadership for Professionals	English	1.10.2021
13	VAEN03	English Career Enrichment	English	1.10.2021
14	VAEN04	Celebration of Life	English	1.10.2021
15	VAEN05	Food, Travel and Culture	English	1.10.2021
16	VASW01	Counselling for Wellbeing	Social Work	05.10.2021
17	VASW02	Photography for Documentation	Social Work	05.10.2021
18	VASW03	Human Resource Management	Social Work	05.10.2021
19	VASW04	Sustainable Management in Third Sector Organization	Social Work	05.10.2021
20	VASW05	Visual Arts – Painting	Social Work	05.10.2021
21	VASW06	Parenting	Social Work	05.10.2021
22	VABA01	Basics of Banking	BBA	01.10.2021
23	VABA02	Managing Event Venues	BBA	01.10.2021
24	VABA03	Stock Market Practices	BBA	01.10.2021
25	VACO01	Basic Concepts of Income Tax and GST	Commerce	04.10.2021
26	VACO02P	Carnatic Music - Vocal	Commerce	04.10.2021
27	VACO03P	Tally ERP - 9	Commerce	04.10.2021

28	VACO04P	Art of Aari and Embroidery	Commerce	04.10.2021
29	VACO05P	Beauty care	Commerce	04.10.2021
30	VAMA01	Vedic Mathematics - I	Maths	04.10.2021
31	VAMA02	Analytical Reasoning Skills	Maths	04.10.2021
32	VAMA03	Quantitative Aptitude - I	Maths	04.10.2021
33	VAMA04	Statistical Techniques using Excel	Maths	04.10.2021
34	VAPH01	Printed Circuit Board Designing	Physics	01.10.2021
35	VAPH02	Utilization of Solar Energy	Physics	01.10.2021
36	VAPH03	Scientific Training on Software Tools	Physics	01.10.2021
37	VACH01	Hands on Approach to UV-Visible Spectroscopy ++	Chemistry	01.10.2021
38	VACH02	Chemistry of Cosmetics	Chemistry	01.10.2021
39	VACH03	Homemade Herbal Medicines	Chemistry	01.10.2021
40	VACS01	Python Programming **	ComputerScience	04.10.2021
41	VACS02P	e-Content Development	Computer Science	04.10.2021
42	VACS03P	Introduction to worksheets	ComputerScience	04.10.2021
43	VACA01P	Basic Mobile Application Development	Computer Applications	01.10.2021
44	VACA02	Open Broadcaster Software	Computer Applications	01.10.2021
45	VACA03	Mobile Repair and Trouble Shooting	Computer Applications	01.10.2021
46	VAIT01	Data Analysis and PresentationTools	Information Technology	04.10.2021
47	VAIT02	Content Management Tools	Information Technology	04.10.2021
48	VAIT03	Graphics and Basic Animation Tools **	Information Technology	04.10.2021
49	VAMB01	Entrepreneurial Microbiology @@	Microbiology	01.10.2021
50	VAMB02	Diagnostic Microbiology @@	Microbiology	01.10.2021
51	VAMB03	First Aid and Emergency Care	Microbiology	01.10.2021
52	VAMB04	Microbial Inoculant Production Technology	Microbiology	01.10.2021
53	VAMB05	Herbal Cosmetics	Microbiology	01.10.2021
54	VABT01P	Food Adulterants in everydaylife	Biotechnology	04.10.2021
55	VABT02P	Water Quality Analysis ++	Biotechnology	04.10.2021
56	VABT03	Basic Research forUndergraduates	Biotechnology	04.10.2021

57	VAFS01	Principles of Interior Design	FSM&D	01.10.2021
58	VAFS02	Dietary Counselling -Skills and Techniques @@	FSM&D	01.10.2021
59	VAFS03	Nutritional Care for Pregnancy	FSM&D	01.10.2021
60	VAED01	Skin Care and Hygiene	EDC	05.10.2021
61	VAED02P	Bridal Makeover -FoundationLevel	EDC	05.10.2021
62	VAED03P	Bridal Makeover-Advanced Level	EDC	05.10.2021
63	VAED04P	Hair Styling -Foundation Level	EDC	05.10.2021
64	VAED05P	Hair Styling- Advanced Level	EDC	05.10.2021
65	VAED06P	Tailoring-Basic Level	EDC	05.10.2021
66	VAED07P	Tailoring- Blouse Stitching	EDC	05.10.2021
67	VAED08	Zardhosi Designing Level I	EDC	05.10.2021
68	VAED09P	Mehandi- Traditional	EDC	05.10.2021
69	VAED10P	Mehandi-Modern Art	EDC	05.10.2021
70	VAED11	Baking Skills- Bread Making - I	EDC	05.10.2021
71	VAED12P	Baking Skills - Bread Making -II	EDC	05.10.2021
72	VAED13	Cake Decoration skill - I	EDC	05.10.2021
73	VAED14P	Bridal flower making	EDC	05.10.2021
74	VAED15P	Cake decoration Skill - II	EDC	05.10.2021
75	VAED16P	Pastry skill sets	EDC	05.10.2021
76	VAED17P	Self Grooming	EDC	05.10.2021
77	VAED18P	Silk Thread Jewellery	EDC	05.10.2021
78	VAED19P	Pedicure	EDC	05.10.2021
79	VAED20P	Manicure	EDC	05.10.2021
80	VAED21P	Nail art	EDC	05.10.2021
81	VAED22P	Tailoring – Cutting Skill	EDC	05.10.2021
82	VAED23P	Indian Snack Making	EDC	05.10.2021
83	VAED24P	Kitchen skills	EDC	05.10.2021
84	VAED25P	Herbal sanitary napkin	EDC	05.10.2021
85	VAED26P	DIY Crafts	EDC	05.10.2021
86	VAED27P	Zardhosi Designing – Level II	EDC	05.10.2021
87	VAED28	Arduino Coding - Basics	EDC	05.10.2021

88	VAED29P	Pickle Making	EDC	05.10.2021
89	VAED30P	Jam Making	EDC	05.10.2021
90	VAPS01	Introduction to Job oriented Competitive Examinations	OTHER	09.10.2021
91	VANC01	NCC for Youth	NCC	09.10.2021

** Offered to other departments only

@@ Offered to parent department only

++ Offered to Science departments only

தமிழாய்வுத்துறை		
மதிப்புக் கூட்டப்பட்ட படிப்பு	கல்வெட்டியல்	30 மணி
பாடக் குறியீடு VATA01	அனைத்துத் துறை மாணவியருக்கானது	அறிமுகப்படுத்தப்பட்ட நாள் 05.10.2021

நோக்கம்
1. தமிழின் தொன்மையை உணரச்செய்தல்
2. எழுத்துகளின் வகையை அறியச் செய்தல்
3. கல்வெட்டுகளின் பாரம்பரியத்தை எடுத்துரைத்தல்

COURSE OUTCOMES
இப்பாடத்தினைப் பயில்வதால் மாணவியர் பெறும் திறன்கள்

CO.NO	CO STATEMENT	KNOWLEDGE LEVEL
CO1	தமிழ் மொழியின் தொன்மையை அறிதல்	K1
CO2	எழுத்துக்களின் வகை, எழுதும் முறைகளை விளக்குதல்	K2
CO3	கல்வெட்டுகளில் காலக்கணிப்பு முறைகளைப் பகுத்தறிதல்	K3
CO4	கல்வெட்டுகள் படியெடுத்தல்	K4

பாடத்திட்டம்

அலகு 1 :   (6 மணி)
கல்வெட்டியல் ஓர் அறிமுகம் - எழுத்துக்களின் தோற்றம் - எழுத்துக்களின் வகைகள் - இந்திய எழுத்துக்களின் தோற்றம் - எழுது பொருட்கள் - அசோகன் பிராமி - கரோஷ்டி.

அலகு 2 :   (6 மணி)
தமிழ் எழுத்துக்களின் தோற்றம் - தமிழி அறிமுகம் - தமிழி எழுத்துப் பயிற்சி - தமிழிக் கல்வெட்டுக்கள்

அலகு 3 :   (6 மணி)
வட்டெழுத்து அறிமுகம் - வட்டெழுத்தின் வளரச்சி - வட்டெழுத்துப் பயிற்சி - நடுகற்கள் - கிரந்தம் - கிரந்த எழுத்துக்களின் தோற்றம் - வளர்ச்சி - கிரந்த எழுத்துப் பயிற்சி.- கிரந்தக் கல்வெட்டுக்கள்.

அலகு 4 :   (6 மணி)
தமிழக் கல்வெட்டுகள் அறிமுகம் - பல்லவர் - சோழர் - பாண்டியர் - காடவராயர் - சம்புவராயர் - விஜயநகரர் - நாயக்கர் - மராட்டியர் - சேதுபதி அரசர்கள் - பிற அரச குலங்கள். - கல்வெட்டுகளின் அமைப்பு.

அலகு 5 :   (6 மணி)
கல்வெட்டுகளில் காலக்கணிப்பு முறைகள் - கலி - சக - கொல்லம் - ஆண்டுகள் - வியாழவட்டம் - பஞ்சாங்க குறிப்புகள் - ஆட்சியாண்டு - எதிராமாண்டு - எழுத்தமைதி அடிப்படையில் காலம் - செப்பேடுகள் - கல்வெட்டுகள் படியெடுத்தல் - படித்தல் பயிற்சி.

பார்வை நூல்கள் :

வ.எ.	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு
1	K. ராஜன்	கல்வெட்டியல்	மேனோ பதிப்பகம்	2003
2	நாகசாமி .R நடன. காசிநாதன், K. தாமோதரன் , S.ஹரிஹரன்	கல்வெட்டியல்	தொல்லியல்துறை தமிழ்நாடு அரசு	2010
3	K.K.பிள்ளை சென்னை 1978	தமிழக வரலாறும் மக்கள் பண்பாடும்	தமிழ்நாடு பாடநூல் கழகம்	1978

4	Mahalingam, T.V	Early South Indian Palaeography	University of Madras,	1967

கற்பித்தல் முறைகள் :

விரிவுரை, PPT, எழுத்துப் பளிற்சி, கலந்தாய்வு.

தாள் வடிவமைப்பாளர்

1. முனைவர் வி.கவிதா, இணைப்பேராசிரியர், தமிழாய்வுத்துறை, காவேரி மகளிர் கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி - 18
2. முனைவர் எஸ்.வசந்தி, மேனாள் தொல்லியல் துணைக்கண்காணிப்பாளர், தமிழ்நாடு தொல்லியல் துறை, சென்னை.

தமிழாய்வுத்துறை		
மதிப்புக் கூட்டப்பட்ட சான்றிதழ் படிப்பு	காமராசரின் ஆளுமை	**30 மணி நேரம்**
பாடக்குறியீடு - **VATA02**	(அனைத்து துறை மாணவியருக்கானது)	அறிமுகப்படுத்தப்பட்ட நாள் 05.10.2021

நோக்கம்

1. மாணவர்களிடையே பன்முக ஆளுமைத் திறனை வளர்க்கச் செய்தல்.
2. உழைப்பு, உண்மை விடாமுயற்சியினை தூண்டுதல்.
3. தலைமைப் பண்பை இளைய சமுதாயத்திடம் விதைத்தல்.

பயன்கள்

1. மாணவிகளின் தனித்திறனை வெளிப்படச்செய்தல்.
2. அரசியல் அறிவுத்திறனைக் கூட்டுதல்.
3. சமூக அக்கறையுடன் நடக்கத் தூண்டுதல்.

COURSE OUTCOMES

இப்பாடத்தினைப் பயில்வதால் மாணவியர் பெறும் திறன்கள்

CO.NO	CO STATEMENT	KNOWLEDGE LEVEL
CO1	தனித்திறன் மேம்பாட்டை வெளிக்கொணரச் செய்தல்	K1
CO2	வாழ்வியல் முறையையும் எளிமையையும் வெளிப்படுத்துதல்	K2
CO3	காமராசரின் சமூகப்பார்வை மற்றும் பணியை மதிப்பிடல்	K3
CO4	ஆட்சித்திறன் மற்றும் மக்களின் மேம்பாட்டினை மதிப்பிடல்	K4
CO5	கல்விப் பணியையும் அணுகுமுறையையும் ஆராய்தல்	K5

பாடத்திட்டம்

அலகு 1 : (6மணி)

தொடக்ககால வாழ்க்கை - சிறை வாழ்க்கையும் படிப்பும் - காமராசரின் பொது வாழ்க்கை - இறுதிக்காலம்.

அலகு 2 : (6மணி)

அரசியல் குரு - தமிழக ஆட்சிப்பொறுப்பு - அமைச்சரவை - முதலமைச்சராக ஆற்றிய பணிகள் - தேர்தல் தோல்வி.

அலகு 3 :   (6மணி)
காமராசர் காலம் ஏன் பொற்காலம்? - முதல் திருத்தத்தின் மூலவர் - சமூக நீதிக்கான ஆட்சி - கல்விப் புரட்சி - எளிமையும் உண்மையும் .

அலகு 4 :   (6மணி)
தொழில் வளர்ச்சி - தொழிற்பேட்டைகள் - பாசனத் திட்டங்கள் - மின் உற்பத்தி - நிலச்சீர்திருத்தம் - பஞ்சாயத்து ராஜ்.

அலகு 5 :   (6மணி)
கர்மவீரர் காமராசர் ஆட்சியின் சாதனைகள் - நினைவுச் சின்னங்கள் - திரைப்படங்கள் காமராசர் பற்றிய கருத்துக்கள்.

பாட நூல் :

வ.எண்	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு
1	எஸ். கே. முருகன்	பெருந்தலைவர் காமராசர்	விகடன் பதிப்பகம் சென்னை- 2	2011

பார்வை நூல்கள் :

வ.எண்	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு
1	கோபி சரபோஜி	வாழ்வும் அரசியலும்	கிழக்குப் பதிப்பகம் சென்னை- 17	2014

கற்பித்தல் முறைகள் :
கலந்தாய்வு, வினாடி வினா, திட்டக்கட்டுரை, கரும்பலகை, குழு விவாதம்

பாடநெறி வடிவமைப்பாளர் :
முனைவர் பா. கவிதா, உதவிப்பேராசிரியர்,
தமிழாய்வுத்துறை
காவேரி மகளிர் கல்லூரி (தன்னாட்சி)
திருச்சி - 18

முனைவர் க. ராதிகா, உதவிப்பேராசிரியர்,
தமிழாய்வுத்துறை
காவேரி மகளிர் கல்லூரி (தன்னாட்சி)
திருச்சி ☐ 18

தமிழாய்வுத்துறை		
மதிப்புக் கூட்டப்பட்ட படிப்பு	கவிதை புனைதல்	30 மணி
பாடக் குறியீடு VATA03	அனைத்துத் துறை மாணவியருக்கானது	அறிமுகப்படுத்தப்பட்ட நாள் 05.10.2021

நோக்கம்

- புதிய படைப்பாளிகளை இனங்கண்டு ஊக்குவித்தல்
- இளம் மாணவர்களின் புதிய சிந்தனைகளைத் தூண்டுதல்
- கவிதை படைத்தலின் வழி மாணவ சமுதாயத்திற்கு சமூகம் பற்றி விழிப்புணர்வை ஊட்டுதல்
- புதுக்கவிதை, ஹைக்கூ கவிதை முதலான புதிய இலக்கிய வடிவங்களை அறிமுகப்படுத்துதல்.

பயன்கள்

- கவிதை எழுதும் ஆற்றலை ஊக்குவித்தல்.
- கவிதைகளின் தனித்தன்மைகளைக் கற்றுத்தருதல்
- கவிதையின் பல்வேறு கூறுகளை (வகைகளை)க் கற்பித்தல்

COURSE OUTCOMES

இப்பாடத்தினைப் பயில்வதால் மாணவியர்பெறும் திறன்கள்

CO No.	CO Statement	Knowledge Level
CO1	புதுக்கவிதைகள் புனையும் முறையை அறிதல்	K1
CO2	ஹைக்கூ மற்றும் சென்றியு கவிதை எழுதும் முறையை விவரித்தல்	K2
CO3	கவிதை புனைதல் வழியாக கற்பனைத் திறன் பெறுதல்	K3
CO4	கவிதைகள் மூலம் வாழ்வியல் நெறிகளை இணைத்தறிதல்	K4
CO5	கவிதையின் வகைகளை இனங்காணச் செய்தல்	K3

பாடத்திட்டம்

அலகு : 1 (6 மணி)

கவிதை வகைகள் (மரபுக்கவிதை, புதுக்கவிதை, ஹைக்கூ, சென்றியு...) - விளக்குதல்

அலகு : 2 (6 மணி)

மரபுக் கவிதை - புதுக்கவிதை - வேறுபாடுகள்

அலகு : 3 (6 மணி)

புதுக்கவிதை விளக்கம் - பாடுபொருள் அறிதல் - பயிற்றுவித்தல் - உத்திகள் - பயிற்சிகள்

அலகு: 4 (6 மணி)

ஹைக்கூ கவிதை விளக்கம் - நுணுக்கம் கற்றல் - பயிற்றுவித்தல் - உத்திகள் - ஹைக்கூ கவிதை எழுதச் செய்தல்

அலகு : 5 (6 மணி)

செ்ன்றியு கவிதை விளக்கம் - கவிதை இயற்றும் ஈடுபாடு - நுணக்கம் கற்றல் - பயிற்றுவித்தல் - உத்திகள் - பயிற்சிகள்

பார்வை நூல்கள் :

வ.எ.	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு
1	முனைவர் பெ.சுபாசு சந்திரபோசு	எது புதுக்கவிதை?	சுபாலிகா பதிப்பகம்	2003
2	முனைவர் ச. அகத்தியலிங்கம்	கவிதை உருவாக்கம் தொகுதி 1	மணிவாசகர் பதிப்பகம்	2012
3	முனைவர் ச. அகத்தியலிங்கம்	கவிதை உருவாக்கம் தொகுதி 2	மணிவாசகர் பதிப்பகம்	2016
4	கி.வா. ஜகன்நாதன்	கவி பாடலாம்	அமுத நிலைய பதிப்பகம்	2012

இணையதளம் :

http://www.tamilvu.org/ta/courses-degree-p203-p2031-html-p2031440-29902
http://dhivyabharathy51097.blogspot.com/2017/04/blog-post.html

கற்பித்தல் முறைகள்

விரிவுரை, குழுக் கலந்தாய்வு, கரும்பலகை, பயிற்சி

தாள் வடிவமைப்பாளர்

முனைவர் மு.அனு, உதவிப்பேராசிரியர், தமிழாய்வுத்துறை, காவேரி மகளிர் கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி □ 18

தமிழாய்வுத்துறை		
மதிப்பு கூட்டப்பட்ட படிப்பு	போட்டித் தேர்வுத் தமிழ் இலக்கணம்	30 மணி நேரம்
பாடக் குறியீடு : VATA04	அனைத்துத் துறை மாணவியருக்கும் உரியது	பாடம் அறிமுகப்படுத்தப்பட்ட நாள் 05.10.2021

நோக்கம்

1. போட்டித் தேர்விற்குரிய இலக்கணப் பகுதிகளை அறியச் செய்தல்
2. தமிழ் இலக்கண அமைப்பைத் தேர்வுக்கேற்ற முறையில் பயிற்றுவித்தல்
3. பிழையின்றித் தமிழ் எழுதக் கற்றுத்தருதல்
4. போட்டித் தேர்வை எதிர்கொள்ளும் திறன் பெறச் செய்தல்

COURSE OUTCOMES

இப்பாடத்தினைப் பயில்வதால் மாணவியர் பெறும் திறன்கள்

CO NO.	CO STATEMENT	KNOWLEDGE LEVEL

CO1	போட்டித் தேர்விற்குரிய தமிழ் இலக்கணப் பகுதிகளைக் கண்டறிதல்	K1
CO2	சொற்கள் மற்றும் வாக்கிய வகைகளைக் கண்டறிந்து விளக்குதல்	K2
CO3	சொற்களைப் பிழையின்றிப் பயன்படுத்துதல்	K3
CO4	தமிழ் இலக்கண அமைப்பினைப் போட்டித் தேர்வுகளுக்கு ஏற்றவகையில் ஆராய்ந்தறிதல்	K4

பாடத்திட்டம்

அலகு 1 : (6 மணி)

வேர்ச்சொல்லைக் கண்டறிதல் – வேர்ச்சொல்லிலிருந்து சொற்களை உருவாக்குதல் - ஒலி வேறுபாடறிந்து சொற்களின் சரியான பொருள் அறிதல் – ஒரெழுத்து ஒருமொழி

அலகு 2 : (6 மணி)

இலக்கணக் குறிப்பறிதல் – பெயர் வகைகள் – வினை வகைகள் – பெயரடை – வினையடை - இடைச்சொற்கள்

அலகு 3 : (6 மணி)

வாக்கிய வகைகள் – தன்வினை, பிறவினை, செய்வினை, செயப்பாட்டு வினை வாக்கியங்கள்

அலகு 4 : (6 மணி)

பிழை திருத்தம் – சந்திப்பிழை நீக்குதல் – ஒருமை பன்மைப் பிழைகளை நீக்குதல் – வழுஉச் சொற்களை நீக்குதல் – பிறமொழிச் சொற்களை நீக்குதல்

அலகு 5 : (6 மணி)

உவமை விளக்கம், வகைகள் – எதுகை, மோனை, இயைபு அறிதல்

பார்வை நூல்கள் :

வ.எண்	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு

1	அ.கி.பரந்தாம னார்	நல்ல தமிழ் எழுத வேண்டுமா	அல்லி நிலையம், சென்னை – 7	1988
2	ஆறுமுக நாவலர்	தமிழ் இலக்கணம்	முல்லை நிலையம், சென்னை	1993
3	எம்.ஏ.நுஃமான்	அடிப்படைத் தமிழ் இலக்கணம்	அடையாளம் பதிப்பகம், திருச்சி	1997
4	ந.மு.வேங்கடசா மி நாட்டார் (உ.ஆ.)	யாப்பருங்கலக்காரி கை	சாரதா பதிப்பகம், சென்னை	2010
5	கொ.இராமலிங் கத் தம்பிரான்	தண்டியலங்காரம்	கழக வெளியீடு, சென்னை	1938
6	டாக்டர் சங்கர நாராயணன்	பொதுத்தமிழ்க் களஞ்சியம்	விகடன் பிரசுரம், சென்னை	2012
7	சி.கலா சின்னதுரை	பொதுத்தமிழ்	விகடன் பிரசுரம், சென்னை	2012

கற்பித்தல் முறைகள்

கலந்தாய்வு, வினாடி வினா, திட்டக்கட்டுரை, கரும்பலகை, குழு விவாதம், படக்காட்சிவழி விளக்கம்

பாட உருவாக்கம்

முனைவர் மா.ஆசியா தாரா, உதவிப் பேராசிரியர், தமிழாய்வுத்துறை.

தமிழாய்வுத்துறை		
மதிப்புக் கூட்டப்பட்ட படிப்பு	திருப்பாவை - திருவெம்பாவை	30 மணி
பாடக் குறியீடு VATA05	அனைத்து துறை மாணவியருக்கானது	அறிமுகப்படுத்தப்பட்ட நாள் 05.10.2021

நோக்கம்

1. பாசுரங்களின் வழி பக்தி இலக்கியச்சிறப்பை உணர்த்துதல்.
2. மனதை ஒருநிலைப்படுத்தும் திறனை வளர்த்தல்.
3. தமிழர்களின் இந்து சமயங்களான சைவ, வைணவ பெருமையினை எடுத்துரைத்தல்.

பயன்கள்
1. சைவ, வைணவ இலக்கியங்களை ஒப்பிட்டு அறிவர்.
2. பக்திச் சுவைப் பெறுவர்
3. ஆண்டாள், மாணிக்கவாசகரின் தனித்தன்மைகளை அறிவர்.

COURSE OUTCOMES

இப்பாடத்தினைப் பயில்வதால் மாணவியர்பெறும் திறன்கள்

CO No.	CO Statement	Knowledge Level
CO1	சைவ, வைணவ இலக்கியங்களுக்கிடையேயான தனித்தன்மைகளை மதிப்பிடுதல்	K5
CO2	சைவ, வைணவ இலக்கியங்களின் வழி சமுதாய நிலையை ஆராய்ந்தறிதல்	K4
CO3	பாசுரங்களின் அடிப்படை நோக்கம் குறித்து விளக்குதல்	K2
CO4	மனித குல மேம்பாட்டிற்கான கொள்கைகளத் திட்டமிடல்	K6
CO5	புக்திப்பாடல்கள் காட்டும் வாழ்வியல் விழுமியங்களைப் பயன்படுத்துதல்	K3

பாடத்திட்டம்

அலகு : 1   (6 மணி)

திருப்பாவை - 1 முதல் 10 பாசுரங்கள் வரை

அலகு : 2   (6 மணி)

திருப்பாவை - 11 முதல் 20   பாசுரங்கள் வரை

அலகு : 3   (6 மணி)

திருப்பாவை - 21 முதல் 30 பாசுரங்கள் வரை

அலகு : 4   (6 மணி)

திருவெம்பாவை - 1 முதல் 10 பாடல்கள் வரை

அலகு : 5   (6 மணி)

திருவெம்பாவை - 11 முதல் 20 பாடல்கள் வரை

பார்வை நூல்கள்

வ.எ.	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு
1	டாக்டர் நாராயணவேலு பிள்ளை	நாலாயிரத் திவ்யப் பிரபந்தம்	முல்லை நிலையம்	2000
2	ஸ்ரீமத் சுந்தரமூர்த்தி (ப.ஆ)	பன்னிரு திருமுறைகள்	ஞானசம்பந்தம் பதிப்பகம்	2011

கற்பித்தல் முறைகள்

குழுக் கலந்தாய்வு, வினாடிவினா, திட்டக்கட்டுரை, கரும்பலகை, விவாதம், இசையோடு ஒதுதல், ஒப்புவித்தல்

தாள் வடிவமைப்பாளர்

முனைவர் இர.கீர்த்தனா, உதவிப்பேராசிரியர், தமிழாய்வுத்துறை, காவேரி மகளிர் கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி ☐ 18

தமிழாய்வுத்துறை		
மதிப்புக் கூட்டப்பட்ட படிப்பு	மேடைப்பேச்சு	30 மணி
பாடக் குறியீடு VATA06	அனைத்துத் துறை மாணவியருக்கானது	அறிமுகப்படுத்தப்பட்ட நாள் 05.10.2021

நோக்கம்

- மேடைப்பேச்சின் முக்கியத்துவத்தை உணர்த்துதல்
- மேடையில் பேசும் வழிமுறைகளைக் கற்பித்தல்
- மேடைப்பேச்சாளர்களை உருவாக்குதல்
- தனித்தியங்கும் திறன்பெற வழிவகை செய்தல்

பயன்கள்

- ✓ பேச்சின் முக்கியத்துவத்தை அறிவர்
- ✓ பேச்சாளர்களாக உருமாறி பயன் பெறுவர்
- ✓ தன்னம்பிக்கையுடன் வலம் வருவர்

COURSE OUTCOMES

இப்பாடத்தினைப் பயில்வதால் மாணவியர்பெறும் திறன்கள்

CO No.	CO Statement	Knowledge Level
CO1	காலமாற்றத்திற்கேற்ப மேடைப்பேச்சை வகைப்படுத்தி அறியச்செய்தல்	K1
CO2	பங்கேற்பாளர்களின் தன்மை அறிந்து உரையாற்ற தயார் செய்தல்	K4
CO3	மேடைப்பேச்சில் கையாளவேண்டிய உத்திகளை விளக்குதல்	K2
CO4	தகவல் தொழில்நுட்ப சாதனங்களின் வாயிலாக தங்களை முன்னிலைப்படுத்த ஊக்குவித்தல்	K6
CO5	மேடைப்பேச்சுக்கலை வாயிலாக பொருளாதார சிக்கலுக்குத் தீர்வு காணுதல்	K3

பாடத்திட்டம்

அலகு – 1 (6 மணி)

பேச்சும், மொழியும் - எடுத்தல் - தொடுத்தல் - முடித்தல் - விளக்கிக்கூறல்

அலகு – 2 (6 மணி)

துணிவுடன் பேசுதல் - உடல் அசைவுகள் - செய்தி சேகரித்தல் - குரல் வளத்தை மேம்படுத்துதல் - பார்வையாளர்களின் உணர்வுகளைப் புரிந்து பேசுதல்

அலகு – 3 (6 மணி)

மேடைப்பேச்சு - சொற்பொழிவு - வேறுபாடுகள் - மேடைத்தோற்றம் - மேடைப்பேச்சின் நடை - பேச்சில் புதுமை - பார்வையாளர்களை ஈர்த்தல்

அலகு - 4   (6 மணி)

பட்டிமன்றம் - விவாத மேடை - வேறுபாடுகள் - உரைகள்

அலகு – 5   (6 மணி)

நிகழ்ச்சித் தொகுப்பு - நேர்முக வர்ணனை - வேறுபாடுகள் - திறன்மேம்படுத்துதல் - கோயில் திருவிழா - விளையாட்டு விழா - நேர்முக வர்ணனை

பார்வை நூல்கள்

வ.எண்	ஆசிரியர்	நூல்	பதிப்பகம்	ஆண்டு
1	முனைவர் ம.திருமலை	பேச்சுக்கலை	மீனாட்சி புத்தக நிலையம், மதுரை	2009
2	அறந்தை நாராயணன்	மேடையில் பேசலாம் வாருங்கள்	நியூ செஞ்சுரி புக்ஹவுஸ், சென்னை	2011
3	குமரி ஆனந்தன்	நீங்களும் பேச்சாளராகலாம்	பூம்புகார் பிரசுரம், மதுரை	2010
4	கு.ஞானசம்பந்தன்	பேசும் கலை	நியூ செஞ்சுரி புக்ஹவுஸ், சென்னை	2004

கற்பித்தல் முறைகள்

கலந்தாய்வு, பேச்சுப்பயிற்சியளித்தல், குழுவிவாதம், கரும்பலகை

தாள் வடிவமைப்பாளர்

திருமதி செ.புனிதா, உதவிப்பேராசிரியர், தமிழாய்வுத்துறை, காவேரி மகளிர் கல்லூரி (தன்னாட்சி), திருச்சிராப்பள்ளி - 18

DEPARTMENT OF TAMIL		
Value Added Course	**Electronic Media and Job Opportunity**	**30 Hours**
Course Code VATA07	**(Offered to Students of All Programmes)**	**Date of Introduction 05.10.2021**

OBJECTIVES :

To introduce students to the historical growth of electronic media.

COURSE OUTCOMES :

On the successful completion of the course, students will be able

CO Number	CO Statement	Knowledge Level
CO1	To Explain the students with special focus to Cinema, Radio and Television programme productions, New media	K1
CO2	To Describe the students in the areas of Media research, Media management, Advertising and Corporate communication	K2
CO3	To apply to be aware of the Media impact on Culture and Society, Ethical and Legal aspects of Media profession	K3

CO4	To classify in multimedia and emerging communication technology	K4

Unit : I   (8 Hours)
Introduction to Electronic Media: Introduction to Mass media, Electronic media, Print, Radio, Cinema, Television, Internet, New media, Media Laws and ethics.
Unit : II   (4 Hours)
 Cinema: Characteristics; Origin and development of cinema in India – silent and talkies era, cinema after independence, commercial and new wave cinema; Status of the Indian film industry.
Unit : III   (8 Hours)
Television Production process: Television Characteristics, History of Indian television- DD: Organizational setup, Private television channels in India; Educational television, Status and trends in television broadcasting, Television production format, programme contents, News Gathering and Writing, Presentation Skills.
Unit : IV   (4 Hours)
Radio programme Production: Characteristics of radio, historical perspective of AIR; organizational setup; Commercial radio; Educational radio; Emerging trends; AM & FM; Community radio; Internet Radio, Status of radio in world. News Gathering and Writing for Presentation & Reporting Skills.
Unit : V   (6 Hours)
New Media: Computer revolution and its impact; Growth of online Journalism; Alternate media, Media convergence, Problems and prospects of new media, Social media.
Reference Books :

S. No.	Author	Title	Publishers	Year of Publication
01	Afeque Shamci, N.	Electronic Media	Anmol Publication, New Delhi	2006
02	Herbert Zettl	Television Production Handbook	US: Wadsworth	2006
03	Arvind Singhal and Everett M. Rogers	India's Communication Revolution	Sage, London	2001
04	Keval J. Kumar	Mass Communication in India	Jaico, Mumbai	2013
05	S. Moses	The Terminology of Technological Arts	Krushshe Publication, Sri Lanka	2012
06	P.C. Chatterjee	Broadcasting in India	Sage, New Delhi	1991
07	Dan Harries (Ed)	The New Media Book	Bloomsbury, London	2002

PEDAGOGY:
     Lecture, Power Point Presentation, Group Discussion

COURSE DESIGNER:

Dr. P. Sasireha, Assistant Professor, Department of Tamil, Cauvery College for Women,

Trichy.

Dr. S. Moses, Founder, Yezhukural Social Research Institution, Sri Lanka.

OTHER LANGUAGES- HINDI

Value Added Course	ABHIRUCHI HINDI	30 hours
Course Code VAHI01	(offered to Students of all Programmes)	Date of Introduction 05. 10.2021

OBJECTIVE

- To enable the learners to understand the curriculum of Hindi. Language.
- To understand & respond in a predictable pattern to simple questions about familiarthings.
- To be able to write an application.

COURSE OUTCOMES

On the successful completion of the course the students will be able to

CO.NO.	CO STATEMENT	KNOWLEDGE LEVEL
CO1	Understand the History of Hindi Language	K1
CO2	Classify the pronunciation of Alphabets	K2
CO3	Apply the Grammar in the sentences	K3
CO4	Use the sentences in the different situations	K3
CO5	Write simple sentences	K5

ABIRUCHI HINDI
SYLLABUS

UNIT I AN INTRODUCTION TO HINDI   (6 Hours)

- Alphabets, Pronunciations,
- Words & Sentences,
- Greetings
- Numbers
- Common vocabulary and short informal salutations.
- Nationalities, Professions, Days & Months.

UNIT II BASIC GRAMMAR   (6 Hours)

- Noun, Pronoun
- Adjectives
- Verbs

- Case endings
- adverb
- Tense
- Genders & Numbers
- Conjunction,Interjunction

UNIT III PREFERENCES , SIMPLE DIALOGUES　　　　　　(6 Hours)

- Like and Dislike, to habitations.
- Engage in buy & sell situation.
- Ask about the day, time and the date.
- Accept & Refuse.

UNIT IV LISTENING & SPEAKING SKILLS　　　　　　(6 Hours)

- Recognizing familiar words and basic Hindi Phrases, about oneself, about family &activities, about personal like and dislikes.
- Using simple phrases and sentences (for today speech): describing where one lives,describing people
- Read simple notices, posters and catalogues.

UNIT-5- READING, WRITING & SPOKEN SKILLS　　　　　(6 Hours)

- Read the sentences.
- Write the simple sentences.
- Speak the simple Dialogues.

REFERENCE BOOKS

S.No.	Author	Title	Publishers	Year of Publication
01	Dhakshin Bharat Hindi Prachar Sabha	HINDI BALA BODHINI -1	Dhakshin Bharat Hindi Prachar Sabha	2010
02	Dhakshin Bharat Hindi Prachar Sabha	ROZMARRA HINDI	Dhakshin Bharat Hindi Prachar Sabha	2010
03	Ravichandran	Concise Try Lingual Dictionary	Lotus Publication	2010

PEDAGOGY

Power Point Presentations, Black Board & White Board, Videos, Interaction, Discussion.

COURSE DESIGNER:
Dr. R. Vijayalakshmi

Value Added Course	SARALA SAMSKRITH SIKSHAK PART - I	30 hours
COURSE CODE: VASA01	(offered to students of all programs)	5.10.21

COURSE OBJECTIVE :
- To enable the learners to understand the curriculum of Sanskrit. Language.
- To understand & respond in a predictable pattern to simple questions about familiar things.
- To be able to write an application.

COURSE OUTCOMES
On the successful completion of the course the students will be able to

CO.NO.	CO STATEMENT	KNOWLEDGE LEVEL
CO1	Understand the History of Sanskrit Language	K1
CO2	Classify the pronunciation of Alphabets	K2
CO3	Apply the Grammar in the sentences	K3
CO4	Use the sentences in the different situations	K3
CO5	Write simple sentences	K5

SARALA SAMSKRITH SIKSHAK PART - I
SYLLABUS

UNIT – 1 (6 hours)
- Alphabets, Pronunciations
- Two Letter words & Three Letter Words
- Greetings
- Numbers

UNIT – 2 (6 hours)
- Noun, Pronoun
- Adjectives
- Verbs
- Case endings
- Adverb
- Tense
- Genders & Numbers
- Conjunction, Interjunction

UNIT – 3 – PREFERENCES, SIMPLE DIALOGUES (6 hours)
- Like and Dislike, to habitations.

- Engage in buy & sell situation.
- Ask about the day, time and the date.
- Accept & Refuse.

UNIT – 4 – LISTENING 7 SPEAKING SKILLS   (6 hours)
- Recognizing familiar words and basic Sanskrit Phrases, about oneself, about family & activities, about personal like and dislikes.
- Using simple phrases and sentences(for to day speech): describing where one lives, describing people
- Read simple notices, posters and catalogues.

UNIT – 5   (6 hours)
- Read the sentences.
- Write the simple sentences.
- Speak the simple Dialogues

TEXT BOOK:

SANSKRIT BALA BODHI – 1, Published by Dhakshin Bharat Sanskrit Prachar Sabha-Tamil Nadu, Tiruchirapalli.
Course Designer
Mr. D. Varadhan

OTHER LANGUAGES - FRENCH

Value Added Course	BASIC FRENCH COURSE	Hours:30
Course Code: VAFR01	(Offered to Students of all programmes)	Date of Introduction 05.10.21

COURSE OBJECTIVE

To enable the students to interact in a simple way, introduce oneself and ask others their name, age, address etc., use basic expressions of greeting, farewell and politeness, express lack of understanding, understand and respond in a predictable pattern to simple questions about familiar things.

COURSE OUTCOME

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

CO.NO	CO-STATEMENT	KNOWLEDGE LEVEL
CO1	To learn the alphabets, pronunciation and phonetics. Greetings and short informal salutations.	K1
CO2	To learn to conjugate some basic verbs and use them in sentences.	K2
CO3	To use some simple verbs to talk about themselves, talk about day& time.	K3
CO4	To recognise familiar words and basic French phrases, to use them in day to day speech.	K4
CO5	To learn to write a simple postcard.	K5

SYLLABUS

UNIT I AN INTRODUCTION TO FRENCH   **(6 hours)**
- Alphabets, Phonetics and Pronunciation
- Greetings
- Numbers
- Common Vocabulary; Short Informal Salutations.
- Voici voila + proper name,

UNIT II INTRODUCING ONESELF, ASKING AND TELLING   **(6hours)**
- Nationalities, Professions, Days and Months
- Articles – Definite and indefinite, Present Indicative of verb être, with negation and verbs ending in 'er' Personal pronouns.
- The verbs 's'appeler' and 'habiter' "être", how to say the names of some countries and cities in French.

UNIT III PREFERENCES, SIMPLE DIALOGUES   **(6 hours)**
- Like and dislike, "aimer, adorer, préférer, détester" ➢Conjugation "er" verbs, Negation.
- Engage in a simple buy-and-sell situation.
- Ask about the day, the time and the date.
- Accept and refuse.

UNIT IV LISTENING AND SPEAKING SKILLS   **(6 hours)**
- Recognizing familiar words and basic French phrases: about oneself, about family and activities, about personal likes and dislikes.
- Using simple phrases and sentences (for day to day speech): describing where one lives, describing people.
- Read simple notices, posters and catalogues.

UNIT V   READING AND WRITNG SKILLS   **(6 hours)**
- Fill in a simple form.
- Write a simple postcard

REFERENCE BOOKS

S.No.	Author	Title	Publishers	Year of Publication
01	Annie Berthet, Catherine Hugot, Beatrix Samsonis	Alter Ego	Goyal Publishers	2007
02	Mahitha Ranjit, Monica Singh	Apprenons le Français	New Saraswathi House	2016
03	Archna Khurana, Harpreet Likhari	Enchanté	Rachna Sagar Pvt. Limited	2017
04	Preeti Bhutani	Mon passeport pour le monde	Unisec Publication	2017

PEDAGOGY
   Power point presentation, videos, Assignments, Quiz, online apps and interaction.

COURSE DESIGNER
   Mrs. M.Manjula

DEPARTMENT OF ENGLISH		
Value added Course	**ENGLISH SPEAKING COURSE**	**30 Hours**
Course Code: VAEN01	**(Offered to student of all Programme)**	**Date of Introduction 01.10.2021**

OBJECTIVES
   ➢ To enable the learners to communicate English Language effectively and appropriately in real life situations.
   ➢ To use English effectively for study purpose and to meet the challenges of the world
   ➢ To develop and integrate the use of the language skills to enhance effective communication

COURSE OUTCOMES
   On the successful completion of this course, the students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Relate key ideas and terms in a spoken and written text.	K1
CO2	Demonstrate knowledge of communication skills	K2
CO3	Illustrate and enhance their speaking ability in English both in terms of fluency and comprehensibility	K2
CO4	Develop competence in the four modes of literacy: Listening, Speaking, Reading and Writing	K3
CO5	Build confidence in reading skills and reading speed	K3

<div align="center">**SYLLABUS**</div>

UNIT I   **(6 Hours)**
Meeting people- exchanging greetings- self-introduction- introducing people to others- giving personal information.

UNIT II   **(6 Hours)**
Answering the telephone call-taking and leaving messages- making inquiries on the phone- calling for help in an emergency

UNIT III   **(6 Hours)**
Getting people's attention and interrupting- giving instructions and seeking clarifications- making requests and responding to requests- asking for directions and giving directions- thanking someone and responding to thanks

UNIT IV   **(6 Hours)**
Inviting, and accepting and refusing an invitation- apologizing and responding to an apology- congratulating and responding to congratulations- paying compliments, showing appreciation, offering encouragement and responding to them- asking for, giving and refusing permission

UNIT V   **(6 Hours)**
Asking for and giving an opinion- agreeing and disagreeing with opinions
Seeking and giving advice and making suggestions- persuading and dissuading people- making a complaint and responding to one

TEXT BOOK

S.No	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Kamlesh Sadanand & Susheela Punitha	Spoken English : A Foundation Course-Part I	Orient Blackswan	2008

REFERENCE BOOKS

S.No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	P.Sasikumar and P.V.Dhamija	Spoken English	Tata McGrow Hill, New Delhi	2001

PEDAGOGY
        Group Discussion, Quiz, Assignment

COURSE DESIGNER
 Dr.Prema Joshua, Associate Professor
 Ms.C.Chithra, Assistant Professor
 Ms.A. Edel Flora Mary Assistant Professor

DEPARTMENT OF ENGLISH		
Value added Course	**LEADERSHIP FOR PROFESSIONALS**	**Hours : 30**
Course code: VAEN02	**(Offered to student of all Programmes)**	**Date of Introduction 01.10.2021**

OBJECTIVES

   The main goal of this course is to help the students to be good leaders**.** To enable the learners to acquire confidence to face the society as an efficient leader.

COURSE OUTCOMES

   On the successful completion of this course, the students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Classify key ideas regarding leadership qualities	K4
CO2	Adapting interpersonal skills, team building, and acquiring leadership traits.	K6
CO3	Accessing knowledge to understand and evaluate organizational management, and leadership problems and possibilities.	K5
CO4	Building knowledge and skills to design and change work organization, to contribute to working environments to organizational learning and success.	K6
CO5	Role play- the purpose of leadership, the ethical dimensions of leadership, and the relationship between leaders and followers in a free society.	K6

SYLLABUS

Unit I   **(6 hours)**
Personal leadership and leadership styles: Democratic, Visionary, Coaching, Affiliative, Pacesetting and Commanding.
Unit II   **(6 hours)**
Appreciative leadership, Inquiry, Illumination, Inclusion, Inspiration, Integrity
Unit III   **(6 hours)**
Leadership of change
The 3 C's of Change Leadership: Communicate, Collaborate, Commit.
Unit IV   **(6 hours)**
   • Building and leading efficient teams
   • Reaching the target (team member)
   • Lead with positive approach
Unit V   **(6 hours)**
Problem solving situations
The five problem solving styles: Collaborating, Competing, Avoiding, Accommodating, Compromising.

TEXT BOOK

S.No.	Author	Title of the Book	Publisher	Year of Publication
1	Simon Sinek	Start with Why: How Great Leaders Inspire Everyone to Take Action	Portfolio	2009-Reprinted 2011

REFERENCE BOOK

S.No.	Author	Title of the Book	Publisher	Year of Publication
1.	Robin Sharma	Leadership Wisdom	Jaico Publishing House	November 2003
2.	Radhakrishnan Pillai	Corporate Chanakya on Leadership	Jaico Publishing House	2012
3.	Kam Jgup	Leader's corner: the learning guide to leadership	Notion Press	2020

PEDAGOGY

Group Discussion, Team Building, Quiz, Assignment, Role Play

COURSE DESIGNERS

Ms. Cecilia Merlin Wilton
Ms. U. Sree Arun

DEPARTMENT OF ENGLISH		
Value Added Course	**ENGLISH CAREER ENRICHMENT**	**Hours : 30**
Course code: VAEN03	**(Offered to student of all Programme)**	**Date of Introduction 01.10.2021**

OBJECTIVES
- ➢ To enhance Vocabulary and its usage
- ➢ To improve language skills to achieve professional goals by focusing on interview skills.

COURSE OUTCOMES

On the successful completion of this course, the students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Understand pronunciation, words and sentences in English	K2
CO2	Use English language in a more meaningful way with an enriched word power.	K3

CO3	Teach to write professional documents.	K3
CO4	To write a clear, concise resume and covering letter.	K6
CO5	Develop interviews skills for career enhancement	K6

SYLLABUS

UNIT I LEADERSHIP SKILLS   **(6 Hours)**
- Decision Making
- Team Building
- Aspects of Leadership

UNIT II AVOID COMMON MISTAKES IN ENGLISH USAGE   **(6 Hours)**
- Vocabulary
- Commonly Confused Words
- Redundancies

UNIT III RESUME WRITING   **(6 Hours)**
- Creating an Effective Resume
- Resume Tips and Suggestions
- Covering letter: Tips and Suggestions

UNIT IV INTERVIEW SKILLS   **(6 Hours)**
- Tips for Improving Interview Skills
- Types of Interviews
- Mock Interview

UNIT V: GROUP DISCUSSION (6 Hours)
- Group Discussion – Introduction
- Useful Sub-Skills
- Importance of Group Discussion

TEXT BOOK

S.No.	Author(s)	Title of the Book	Publisher	Year of Publication
1	Thomas Elliott Berry	The Most Common Mistakes in English	TATA McGraw-Hill, India	2007
2.	R. Gupta	Group Discussions and Interviews	Ramesh publishing house	2014

Reference Books

S.No.	Author(s)	Title of the Book	Publisher	Year of Publication

1	WWS Bhaskar and NS Prabhu	English Through Reading	Macmillan, India	2008
2	Meenakshi Raman & Sangeethe Sharma	Professional Skills	Oxford University Press	2018

PEDAGOGY:

Group Discussion, Quiz, Assignment

COURSE DESIGNERS:

Dr.G.Gayathri,

Ms.N.Yoga

Ms.L.Samyuktha

DEPARTMENT OF ENGLISH		
Value Added Course	**CELEBRATION OF LIFE**	**Hours : 30**
Course Code VAEN04	**(Offered to students of all Programmes)**	**Date Of Introduction 01.10.2021**

Course Objectives:
- ➢ To facilitate positive development of holistic perspective among students towards life
- ➢ To inculcate Ethics and Human values in young minds
- ➢ To create ethical vision and harmony in life by understanding one's self and others

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

CO Number	CO Statement	Knowledge Level
CO1	To recognise holistic perspective towards life and profession	**K1**
CO2	Discover essential complementary values and habits to ensure sustained happiness and prosperity	**K3**
CO3	To understand values of human relationship in life	**K4**
CO4	To create a self-motivated individual	**K5**
CO5	Interpreting to reach success and goals with the positive attitude of life	**K6**

SYLLABUS

UNIT – I: EXPERIENCE IS THE GURU (6 Hours)
   Social, religious and emotional experience

Lessons of good and bad experiences

UNIT – II: HEALTHY PRACTICES (6 Hours)

Rituals for radiant living

Breaking out bad life habits

UNIT – III: BUILDING RELATIONSHIPS (6 Hours)

Importance of relationship in one's life

How to handle toxic relationships

UNIT – IV: SELF MOTIVATION (6 Hours)

Facing challenges, breaking barriers to attain positive outlook

UNIT – V: REALIZATION OF SELF (PODCAST) (6 Hours)

Vedanta Society – Isha Upanishads (Series of 10 audios)

TEXT BOOKS:

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1	Shiv Khera	You Can Win: A step-by-Step tool for Top Achievers	A&C Black	2014.
2	Spencer Johnson	Who Moved My Cheese	Putnam Adult	1998

BOOKS FOR REFERENCE:

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1	Gaur Gopal Das	Life's Amazing Secrets	Penguin Publishers	2018
2.	Norman Vincent Peale	The Power of Positive Thinking : A practical Guide to Mastering the Problems of Everyday Living	Prentice Hall	1952

PEDAGOGY:

Group Discussion, Team Building, Quiz, Assignment

COURSE DESIGNERS:

Ms. S. Srinidhi

Ms. Vanmathi. Siva

DEPARTMENT OF ENGLISH		
Value Added Course	**FOOD, TRAVEL AND CULTURE**	**Hours : 30**
Course Code VAEN05	**(Offered to students of all Programmes)**	**Date of Introduction 01.10.2021**

COURSE OBJECTIVES:
- ➢ To introduce students to the varied food and culture of places and people, through the eyes of lifestyles and artifacts
- ➢ To build the consciousness of the students into understanding how to interface with tourists from various environments and a deep sense of respect for people, food and places of interest.

COURSE OUTCOMES
On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	To teach the role that tourism plays in cuisines and world's heritage and culture	K3
CO2	Connect the diverse nature of travelling, including food, culture and place, global/local perspectives	K4
CO3	Appraise empathy and respect for diversity and multicultural perspectives	K5
CO4	Critical understanding of the relationships between culture, heritage and tourism	K5
CO5	Review tourism practices for their implications locally and globally.	K6

SYLLABUS

UNIT I – INTRODUCTION TO FOOD, TRAVEL AND CULTURE   (6 Hours)
What is tourism? What is culture? - Defining Food Tourism and Culture Tourism – Funding Recourses for Tourism – Asian Food and Culture
UNIT II – INDIAN FOOD, TRAVEL AND CULTURE   (6 Hours)
Bengali – Gujarati – Kashmiri – Punjabi – Southern States
UNIT III – CHINESE FOOD, TRAVEL AND CULTURE   (6 Hours)
Beijing – Xi'an – Guilin – Chengdu
UNIT IV – GULF COUNTRIES FOOD, TRAVEL AND CULTURE   (6 Hours)
United Arab Emirates – Saudi Arabia – Kuwait – Bahrain – Iraq – Oman
UNIT V- SRI LANKAN FOOD, TRAVEL AND CULTURE   (6 Hours)
Northern Province – Southern Province – Food, Travel and Culture of other Continents – An Overview

 Text Books:

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication

1	M.Michel & Van Nostrand Reinhold Cortman	Introduction to travel and Tourism: An international Approach	New York	1989
2	SP Lal Gupta & M.K. Bhattacharya	Cultural Tourism in India	D.K.Print	2003

Books for Reference:

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1	C.Michael Hall	Tourism in South and South East Asia: Issues and Cases	Routledge, 1st Edition	2000
2	Vijay Dhawan	Food and Beverage Service	Frank bros Ltd. Frank Bros Publishers	2008

PEDAGOGY:
Group Discussion, Team Building, Quiz, Assignment
COURSE DESIGNERS:
Dr.S.Senthilkumari
Ms.T.Mothika

	DEPARTMENT OF SOCIAL WORK	
Value Added Course	**COUNSELLING FOR WELLBEING**	**Hours: 30**
Course Code: VASW01	**(Offered to students of other programmes)**	**Date of Introduction 05.10.2021**

OBJECTIVES

- ➢ To orient the students on the concept of Counselling.
- ➢ To make the students to understand the role of Family in Child Development.
- ➢ To orient the students in the forms of Marriages

COURSE OUTCOMES
After the successful completion of the course, the students will be able to,

CO Number	CO Statement	KNOWLEDGE LEVEL
CO1	Define Counselling.	**K1**
CO2	Explain the role of family in Child Development	**K2**
CO3	Examine factors contributing to problems of adolescents	**K3**
CO4	Describe the process of Types of marriages	**K3**
CO5	Apply Couple Therapy	**K3**

SYLLABUS

Unit I – Counselling   **(6 hours)**

Meaning and definition; Principles and Skills.

Unit II - Child Development   **(6 hours)**

Role of Family in Child Development

Unit III - Adolescent Development   **(6 hours)**

Physical and Psychological changes; Most common and critical issues among adolescents - substance abuse, suicides, bullying.

Unit IV – Marriage   **(6 hours)**

Definition, Functions and Types. Marriage in India. Problems of Older Persons

Unit V - Marriage Counselling   **(6 hours)**

Marital Conflict; Couple Therapy; Counselling children, adolescents, youth, women and older persons

BOOKS FOR REFERENCE

S. No.	Authors	Title of the book	Publisher	Year of Publishing
1.	Deacon, Ruth E. & Firebaugh, F.M.	Home Management: contexts & Concepts,	-	1975
2	Jon Carlson and Shannon B. Dermer	The SAGE Encyclopedia of Marriage, Family, and Couples Counselling	Sage	2016
3.	Rao, S. Narayana & Sahajpal, Prem	Counselling and Guidance	McGraw Hill Education	2013

Pedagogy:
       Chalk & Talk, e -content, PPT, Group Discussions, Videos, Quiz & Assignments
Course Designer:
       Dr. G. Mettilda Buvaneswari

DEPARTMENT OF SOCIAL WORK		
Value Added Course	**PHOTOGRAPHY FOR DOCUMENTATION**	**Hours: 30**
Course Code: VASW02	**(Offered to students of all programme)**	**Date of Introduction 05.10.2021**

OBJECTIVES
 ➢ This course aims to facilitate the understanding about the creative process in documenting the social life by photography.

COURSE OUTCOMES
After the successful completion of the course, the students will be able to

CO Number	CO Statement	KNOWLEDGE LEVEL
CO1	Enlighten with a conceptual understanding of photography	**K2**
CO2	Identify the factors contributing for effective documentation by photography	**K3**
CO3	Orientation on nuances of photography for documentation.	**K4**

SYLLABUS

Unit I - BASICS OF PHOTOGRAPHY (6 hours)
Photography – Concept, Elements, Principles of Photography & What makes a good photograph

Unit II - DOCUMENTATION (6 hours)
Documentation - Concept, types, formats & Do's and Don'ts in documentation

Unit III - SKILLS OF A PHOTOGRAPHER (6 hours)
Creativity – Technical photography – Patience & Concentration – Attention to details – Strong networking skills – Team working.

Unit IV - ROLE OF PHOTOGRAPHY IN DOCUMENTATION (6 hours)
Techniques for effective photography for documentation

Unit V - PRACTICUM (6 hours)
Hands-on training (Technical elements – light & composition, shooting in location, shooting people, shooting in studio) by a professional photographer.

BOOK FOR REFERENCE

S.No	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Chitrabongs M.R	Role of Photography in Research & Documentation	Penguin	1989

Online links:

- chrome-
  extension://efaidnbmnnnibpcajpcglclefindmkaj/viewer.html?pdfurl=http%3A%2F%2
  Fwww.makinglearningvisibleresources.org%2Fuploads%2F3%2F4%2F1%2F9%2F3
  419723%2Fphotographs_as_documentation-
  _some_guidelines_.pdf&clen=476785&chunk=true
- https://collab.its.virginia.edu/wiki/toolbox/Photographic%20Documentation%20in%2
  0the%20Field.html

Pedagogy:
Lecture, Peer Discussion, PPT & Group Discussion.
Course Designer:
Dr. T. Amirtha Mary

DEPARTMENT OF SOCIAL WORK		
Value Added Course	**HUMAN RESOURCE MANAGEMENT**	**Hours: 30**
Course Code: VASW03	**Offered to the students of other programmes**	**Date of Introduction 05.10.2021**

OBJECTIVES
➢ This course will help the students to understand the Human Resource Management and related aspects in the industry

COURSE OUTCOMES
On Successful Completion of the course, the students will be able to

CO NO	CO Statement	Knowledge Level
CO1	Find the Meaning and Functions of Human Resources Management.	K1
CO2	Outline the Process of Performance Management and Types of Performance Appraisal	K1
CO3	Identify the Concept of Compensation Management	K2
CO4	Explain the Concept of Labor welfare in the Industry	K3
CO5	Apply the knowledge on Industrial Relations	K3

SYLLABUS
UNIT I - Human Resource Management   **(6 hours)**
Definition, scope and evolution, Functions – Human Resource Planning, Recruitment, Selection, Induction & Placement, Training and Development.

UNIT II - Performance Management   **(6 hours)**

Meaning, Purpose of Performance Management, Dimension of Performance Management Performance appraisal-Meaning, Process and Types - Traditional and Modern Method of Performance Appraisal.

UNIT III - Compensation Management (6 hours)

Meaning, Purpose, Process and Types –Indirect and Direct Compensation and Job Evaluation-Meaning and Purpose.

UNIT IV - Labour Welfare (6 hours)

Meaning, Need and Importance of Labour Welfare, Types of Labour Welfare in Industries.

UNIT V - Industrial Relations (6 hours)

Meaning, Definition, Characteristics of Industrial relations system, Collective Bargaining & disciplinary procedure. Workers Participation in management in Indian Industries.

BOOKS FOR REFERENCE

S. No	Author(S)	Title of the Book	Publishers	Year of Publication
1.	Aswathappa K	Human Resource Management Text and Cases	Mcgraw-Hill Publishing company Limited, NewDelhi	2008
2.	Bhatia, B. S., and Batra G.S.	Human Resource Development	Deep and Deep Publications.	2001
3.	Khanka S. S	Human Resource Management – Text and Cases	S.Chand publications	2007
4.	Gosh B.	Human Resource Development and Management	Vikas Publishing House pvt ltd	2000
5.	Rao T.V.	Performance Management towards excellence	SAGE Publications Pvt Ltd.	2015
6.	Sharma R.C and Sharma N.	Human resource management -theory and Practice	SAGE Publications Pvt Ltd.	2018

Pedagogy:
Chalk & Talk, Seminar, PPT Presentation, Group Discussion and Case Study.

Course Designer:
Dr. S. Vidhya,
Ms. S. Hema

DEPARTMENT OF SOCIAL WORK		
Value Added Course	**SUSTAINABLE MANAGEMENT IN THIRD SECTOR ORGANIZATIONS**	**Hours: 30**
Course Code: VASW04	**(Offered to the students of Social Work)**	**Date of Introduction 05.10.2021**

OBJECTIVES
➢ To facilitate the understanding about sustainable management
➢ To help the students to know the factors contributing to sustainable outcomes of an organization, strategic challenging and about Management and Organizational Sustainability Tool.

COURSE OUTCOMES
On Successful Completion of the course, the students will be able to

CO No.	CO Statement	Knowledge Level
CO1	Enlighten with a conceptual understanding of sustainability and its social, economical and environmental dimensions.	**K2**
CO1	Enlighten with a conceptual understanding of sustainability and its social, economical and environmental dimensions.	**K2**
CO1	Enlighten with a conceptual understanding of sustainability and its social, economical and environmental dimensions.	**K2**
CO1	Enlighten with a conceptual understanding of sustainability and its social, economical and environmental dimensions.	**K2**

SYLLABUS
Unit I - NATURE OF SUSTAINABLE & ITS DIMENSIONS   (6 hours)
Sustainability – Concept, Principles, Dimensions of Sustainability - Environmental Sustainability. Social Sustainability. Economic Sustainability, Triple Bottom Line. and Barriers to Organizational sustainability.
Unit II - SUSTAINABLE MANAGEMENT IN ORGANIZATIONS   (6 hours)
Sustainability Management – Concept of Sustainability & Management, Approaches & Synthesis of Sustainability & Management.
Unit III - ETHICAL & SUSTAINABLE POLICIES IN ORGANIZATIONS (6 hours)
Culture of Sustainability, Initiatives – ethical & sustainable policies in organizations.
Unit IV - STRATEGIC CHALLENGES TO ORGANIZATIONAL SUSTAINABILITY
(6 hours)
Strategic challenges of sustainability - Ecological impacts of a firm, building sustainability culture, instability, implementation, governance.
Unit V - MANAGEMENT AND ORGANIZATIONAL SUSTAINABILITY TOOL
(6 hours)
Management and Organizational Sustainable Tool (MOST) – Concept, Application and Limitations.

BOOKS FOR REFERENCE

S. No	Author(s)	Title of the Book	Publisher	Year of Publication
1.	United Nations Economic and Social Commission for Asia and Pacific	Integrating the three dimensions of Sustainable Development	United Nations Publications	2015
2.	Management Sciences for Health	Management and Organizational Sustainable Tool (MOST)	-	2010

Pedagogy:
Lecture, Peer Discussion, PPT & Group Discussion.

Course Designer:
Dr. T. Amirtha Mary

DEPARTMENT OF SOCIAL WORK		
Value Added Course	**VISUAL ARTS - PAINTING**	**Hours: 30**
Course Code: VASW05	**Offered to the students of all programme**	**Date of Introduction 05.10.2021**

OBJECTIVES
- ➤ To teach the basics of sketching and painting
- ➤ To understand the different types of painting
- ➤ To provide co-curricular opportunities for productive collaboration and teamwork.

COURSE OUTCOMES

CO Number	CO Statement	KNOWLEDGE LEVEL
CO1	Outline the basics of sketching & Painting	**K1**
CO2	Understanding the different types of painting	**K2**
CO3	Explain how to handle painting tools & materials	**K2**
CO4	Describe the tips & technique in paintings	**K3**
CO5	Experimenting the types of Painting	**K3**

SYLLABUS

Unit I (6 Hours)

Pencil sketching- how to start Sketching - tools and materials- Shading study

Unit II (6 Hours)

Painting-Introduction, types of Painting - Water colors, Acrylic painting ,glass painting

Unit III (6 Hours)

Water colour, Loading paints in brush, How to paint with water colour , Tips & Techniques & acrylic painting & Practice session

Unit IV (6 Hours)

Oil pastel Painting, Tips & techniques while using oil pastel, Warli Painting-Basic -Human figures,Houses, Plants & Practice session

Unit V (6 Hours)

Glass Painting-Types of glass, Pigments, styles & techniques , Blending & mixing colours & Practice session

BOOK FOR REFERENCES:

S. No	Author	Title of The Book	Publisher	Year of Publications
1.	Gill Baron	Acrylic Secrets: 300 Tips and Techniques for Painting the Easy Way	Readers Digest	2009
2.	Marcia Baldwin	Oil & Acrylic: Flowers: Discover techniques for painting fresh and lively floral scenes (How to Draw & Paint)	Walter Foster Publishing	2012
3.	1500 Color Mixing Recipes for Oil	Acrylic & Watercolor: Achieve precise color when painting landscapes	Walter Foster Publishing	2021
4.	Anna L. Dallapiccola	Reverse Glass Painting in India	Niyogi Books	2017

Pedagogy:

Chalk & Talk, Brush & Paint, Power point, Assignments, Quiz and Practical sessions on painting

Course Designer:

Ms. P L. Rani

Dr. O. Aisha Manju

DEPARTMENT OF SOCIAL WORK		
Value Added Course	**PARENTING**	**Hours 30**
Course Code: VASW06	**Offered to the students of all programme**	**Date of Introduction 05.10.2021**

OBJECTIVES

> ➢ To orient the students on the concepts of parenting
> ➢ To prepare them to become responsible as future parents.

COURSE OUTCOMES

After the successful completion of the course, the students will be able to

CO Number	CO Statement	KNOWLEDGE LEVEL
CO1	Define Parenting	**K1**
CO2	Understand Parenting Styles	**K2**
CO3	Examine factors influencing parenting	**K3**
CO4	Explain challenges in parenting	**K3**
CO5	Describe Alternative parenting categories	**K3**

SYLLABUS

Unit I – Parenting   **(6 hours)**
Definition, Becoming Parents; role of chid, parent and society in the process of parenting. Parenting is a Process. Parenting Children from Birth to Two years; Nurturing Close Family Relationships; Supporting Children's Growth and Development;
Unit II - Parenting Styles   **(6 hours)**
Authoritative parenting, Authoritarian parenting, permissible parenting & uninvolved parenting
Unit III - Cultural Influences on Parenting   **(6 hours)**
Socio-economic and cultural factors affecting parenting.
Unit IV - Challenges in Parenting   **(6 hours)**
Working Parents; Parenting in Challenging Child's need for normalization, fundamental fairness, and respect; Conflicts, stress, developmental issues; influence of work on family life;
Unit V - Alternative parenting categories   **(6 hours)**
Adoption, foster parent, single-parent, unmarried, divorced, re-married with step-children. Approaches to behavior management; Methods of resolving parenting problems.

BOOK FOR REFERENCES

S. No	Authors	Title of the book	Publisher	Year of Publishing

1	Chayanika Singh	How Your Personality Makes or Breaks Your Child – A Self Assessment Guide For Parent	Unicorn Books.	2013
2.	Deepa Chaudhury	Parenting Tips for Indian Parents: Pre-conception to Adulthood,	-	2017
3	Suchitra Shenoy	Mindful parenting: First 1000 days	Harper Collins publications	2016
4	Sushant Kalra	Perfect Parenting: How to raise Happy and Successful Children	-	2021

Pedagogy:
    Chalk &talk, e -content, PPT, Group Discussions, Videos, Quiz & Assignments
Course Designer:
    Dr. G. Mettilda Buvaneswari

DEPARTMENT OF BUSINESS ADMINISTRATION		
Value Added Course	**BASICS OF BANKING**	**Hours: 30**
Course Code: VABA01	**(Offered to students of other Programme)**	**Date of Introduction 01.10.2021**

OBJECTIVES
> ➢ To obtain knowledge of working of Indian Banking system.
> ➢ To make the students to understand the various services offered banks.
> ➢ To know the merchant banking services.

COURSE OUTCOMES:
    On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Explain the basic concepts of Banking and its functions.	**K1**
CO2	Discuss the relationship with customer and the different types of account.	**K2**
CO3	Applications and Procedure for taking Demand Drafts and crossing the cheques	**K3**
CO4	Utilize the modern banking services such Online Banking, Mobile Banking, NEFT,IMPS and RTGS.	**K2**

SYLLABUS

Unit I   **(5 Hours)**
Definition of a bank – kinds of Banks – Functions of a Commercial Banks.
Unit II   **(6 Hours)**
Opening of Bank Account- procedures – Documents required- Types of Accounts – Special Types of Customers.
Unit III   **(6 Hours)**

Loan Application- Types of Loan - Education Loan-Procedure for obtaining Education Loan.

Unit IV **(7 Hours)**

Essentials of Cheque – procedure for obtaining cheque book-Specimen for Cheque book – Procedure for filling the Cheque – Crossing of Cheque – Types of Crossing – Dishonouring of a Customer's Cheque - - Demand Draft- Applications and Procedure for taking Demand Drafts.

Unit V **(6 Hours)**

Modern Banking Services – ATM – Functions - Net Banking, NEFT, RTGS, IMPS –Mobile Banking- Debit Card and Credit Card –Cheque Deposit Machines- Cash Deposit Machines.

TEXT BOOK:

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Gordon E and Natarajan K	Banking Theory, Law and Practice	Himalaya Publishing House, Mumbai.	2020
2.	K.P.M. Sundaram and P. N. Varshney	Banking Law and Practice	Sultan Chand & Sons Publishing House, New Delhi	2015

BOOKS FOR REFERENCE:

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Varshney P.N	Banking Law and Practice	Sultan Chand & Sons, New Delhi.	2018.
2.	Gurusamy S	Banking Theory Law and Practice	Vijay Nicole Imprints Pvt Ltd, Chennai.	2017

Pedagogy:
Lectures, Quiz, Power Point Presentation, Assignments and Seminar

Course Designer:
Dr. M. Neela

DEPARTMENT OF BUSINESS ADMINISTRATION		
Value Added Course	**Managing Event Venues**	**Hours: 30**
Course Code: VABA02	**(Offered to students of other Programme)**	**Date of Introduction 01.10.2021**

OBJECTIVES
> ➤ To impart the practical knowledge of Event Management.
> ➤ To upgrade the students regarding the concept of event, they will develop and nurture their skills and Techniques involved in Event Management.

COURSE OUTCOMES
On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Preparing Event proposal.	**K1**
CO2	Planning organization chart.	**K1**
CO3	Production of Special, Corporate and Sports event.	**K3**
CO4	Analysis of Event Technology and Event evaluation.	**K2**

SYLLABUS

UNIT I   **(7 Hours)**
Event Planning– Aim of Event- Develop a Mission– Establish Objectives– Preparing Event proposal.

UNIT II   **(4 Hours)**
Five C's of successful Event– How to Plan an Event - Planning organization chart -Venue selection.

UNIT III   **(6 Hours)**
Event organizing - Job Responsibility of Events Organizer– Sponsorship and Production of Special, Corporate and Sports event.

UNIT IV   **(7 Hours)**
Event Technology –Creativity – Co-ordination - Music & Entertainment – Audio – video – Lighting – Catering.

UNIT V   **(6 Hours)**
Event Evaluation–Measuring performance – Financial analysis - Report Writing.

TEXT BOOKS

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Ms.Annie Stephen And Mr. Hariharan	Principles of Event Management	Himalaya Publishing House	2014
2.	Anukrati Sharma & Shruti Arora	Event Marketing and Management	Bharati Publications, New Delhi	2018

BOOKS FOR REFERENCE

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Sanjaya singh Gaur & Sanjay V Saggere	Event Marketing and Management	Vikas Publishing House Pvt.Ltd	2014
2.	R.K.Singh	Event Management	Aman Publication. New Delhi	2011
3.	Dr. Joe Goldblatt	Special Events	CSEP Publisher: Wiley & Sons	2013

Pedagogy:
Lectures, Quiz, Power Point Presentation, Assignments and Seminar
Course Designer:
Dr. A. SIVARANJANI

DEPARTMENT OF BUSINESS ADMINISTRATION		
Value Added Course	**STOCK MARKET PRACTICES** (Offered to students of all programme)	**Hours: 30**
Course Code: VABA03		**Date of Introduction 01.10.2021**

OBJECTIVES
➢ To impart practical knowledge to the students about the basics of stock marketing
➢ To predict the movements in the stock in various investment avenues and to rate them.

COURSE OUTCOMES
On the successful completion of the course, students will be able to,

CO Number	CO Statement	Knowledge Level
CO1	Identify the essential of Capital Markets and to evaluate the need for New Issue Markets	**K1**
CO2	Framing the role and functions of Secondary Markets	**K2 & K3**
CO3	Discuss the necessity of Listing in Stock Exchanges	**K3**
CO4	Assess the predominant role of Stock brokers in the trading mechanism	**K3**
CO5	Formulate the methods of ranking of institutions through credit rating	**K3**

SYLLABUS
UNIT I (6 Hours)
Need and importance of Capital Market – New Issue Market – Functions and Methods of Issue.
UNIT II (7 Hours)
Secondary Market – Origin and Growth – Role and Functions of Stock Exchange – NSE – Weaknesses of Stock exchange.
UNIT III (5 Hours)
Listing of Securities – Group A, Group B, Group C Shares – Listing Procedures – Criteria for Listing.

UNIT IV (5 Hours)

Mechanics of Trading in Stock Exchanges – Registration of Stock Brokers.

UNIT V (7 Hours)

Credit Rating – CRISIL – CARE – ICRA Agencies, DEMAT Accounts – Depositories.

TEXT BOOKS

S. No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Gordon E & Natarajan K	Financial Markets and Institutions	Himalaya Publishing House	3rd Revised Edition 2015

BOOKS FOR REFERENCE

S.No.	Author(s)	Title of the Book	Publisher	Year of Publication
1.	Punithavathy Pandian	Security Analysis and Portfolio Management	Vikas Publishing House Ltd	2nd Edition 2012
2.	Joseph Anbarasu D, Boomonathan V. K., Manoharan P, Gnanaraj G	Financial Services	Sultan Chand & Sons	2014

Pedagogy:

Lectures, Quiz, Power Point Presentation, Assignments and Seminar

Course Designer:

Dr. M. Gayathri

PG & RESEARCH DEPARTMENT OF COMMERCE		
Value Added Course	**Basic Concepts of Income Tax and GST**	**Hours: 30**
Course Code: VACO01	**(Offered to students of all Programme)**	**Date of Introduction: 04.10.2021**

COURSE OBJECTIVE

➤ To help the students understand and apply basic concepts and provisions of Income Tax Act.

➤ To lay down a foundation for computing gross total income and total tax liability.

➤ To gain procedural knowledge about GST

COURSE OUTCOME

At the time of completion of the course, students will be able to

CO No.	CO Statement	Knowledge Level
CO1	Define the basic concepts of Income Tax and Residential status of an individual	**K1**

CO2	➢ Explain the various heads of income namely Income from Salary. ➢ House Property, Profits and Gains of Profession or Business, Capital Gains and Other Sources.	**K2**
CO3	Apply and practice the computation of Total Income	**K3**
CO4	Examine the application of Goods and Service Tax	**K4**

SYLLABUS

Unit I - Introduction to Income Tax   **(6 Hours)**
Basic of Income Tax – Assessment Year – Previous Year – Assessee – Person – Total Income – Gross Total Income – Agriculture Income – Residential Status of An Individual- Exempted Income.

Unit II - Income from Salaries   **(6 Hours)**
Computation of Salary – House rent Allowance – Provident Fund – Gratuity – Pension – Perquisites – Rent Free accommodation – Motor car allowance

Unit III - Income from House Property & Income from Profits and Gains of Business or Profession   **(6 Hours)**
Computation of Income from House Property – Computation of Profit and Gains of Business or Profession.

Unit IV - Income from Capital Gains & Other Sources   **(6 Hours)**
Income from Capital Gains – Important Deductions –   Income from Other Sources

Unit V - GST   **(6 Hours)**
Overview of Goods and Service Tax

TEXT BOOK

S. No.	Authors	Title	Publishers	Year of Publication
1.	Dr. H. C. Mehrotra	Income Tax Law and Practice	Sahithya Bhavan Publications	2020
2.	Dr. N. Hariharan	Income Tax Law and Practice	Vijay Nicole Chennai	2020

BOOK FOR REFERENCE

S. No.	Authors	Title	Publishers	Year of Publication
1	T. S. Reddy and Y. Hari Prasad Reddy	Income Tax Theory, Law and Practice	Margham Publications, Chennai	2020

Pedagogy
Lecture, Power Point Presentation, Group Discussion, Seminar, Quiz, Assignment & Experience Discussion

Course Designer
Ms. A. Vinodhini

PG & RESEARCH DEPARTMENT OF COMMERCE		
Value Added Course	**Carnatic Music – Vocal**	**Hours: 30**
Course Code: VACO02P	**(Offered to students of all Programme)**	**Date of Introduction 04.10.2021**

COURSE OBJECTIVE

➢ Enable the students to understand the fundamentals of Carnatic Music and could able to identify the basic ragas, talas and also some popular compositions which will be helpful for their voice culture and for the advanced level performances.

COURSE OUTCOME

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

CO Number	CO Statement	Knowledge Level
CO1	Describe the Origin of Carnatic Music and their Technical Terms	**K1**
CO2	Explain the Varisais and Akaara Practice methods	**K2**
CO3	Demonstrate the various Ragas and Talas by Learning Alankarams and Geethams	**K3**
CO4	Outline the essentials of Varnams and Swarajatis	**K4**
CO5	Develop the Raga Alapana with Composition and Chandams in Thirupugazh	**K5**

SYLLABUS

Unit I – Introduction (6 Hours)
Introduction to Carnatic Music - Technical terms - Voice Culture Exercises – Phrases – Sapta Swarams – 16 Swasthanas and Sulaadi Sapta talas – Pancha Jatis

Unit II - Varisais and Akaarams (6 Hours)
Sarali varishais - Jantai varishais - Datu varishais - Melsthayi varishais - Exercises in Akaaras Varisais.

Unit III – Alankarams & Geethams (6 Hours)
Alankarams (in minimum 2 speeds) - Introduction to Geetham – 4 Geetams in different Ragas

Unit IV – Swarajatis & Varnams (6 Hours)
Introduction to Swarajathi – Swarajathi in different ragas - Varnam - Introduction – Adi Tala Varnams – Tamil Varnams.

Unit V - Thiruppugazh & Keerthanais (6 Hours)
Arunagirinadhar Thiruppugazh – Introduction to Keerthanais - Thyagaraja Compositions – Chitravina N Ravikiran Kritis – Other Compositions – Basics of Manodharma Sangeeth.

TEXT BOOK FOR REFERENCES

S.No.	Authors	Title	Publishers	Year of Publication
1.	Sangeet Samraat Chitravina N Ravikiran	Perfecting Carnatic Music Level I	IFCM Publication	2012
2.	Sangeet Samraat Chitravina N Ravikiran	Perfecting Carnatic Music Level II	IFCM Publication	2012

REFERENCE BOOK

S.No.	Authors	Title	Publishers	Year of Publication
1.	Sangeetha Vidwan A.S. Panchapakesa Iyer	Ganamrutha Bothini Sangeetha Bala Padam 1	Ganamrutha Prachuram, Chennai	2014
2	Sangeetha Vidwan A.S. Panchapakesa Iyer	Ganamrutha Varna Malika Sangeetha Bala Padam 2	Ganamrutha Prachuram, Chennai	2013
3	T.K.Govinda Rao.	Varnasagaram	Ganamandir Publications	2010

Pedagogy
Lecture, Power Point Presentation, Assignment & Quiz

Course Designer
Ms. N.Akilandeswari

VALUE ADDED COURSE

PG & RESEARCH DEPARTMENT OF COMMERCE		
Value Added Course	Tally ERP 9	Total Hours: 30
Course Code: VACO03P	(Offered to students of all Programmes)	Date of Introduction: 04.10.2021

Course objective
 ➢ To enable students to learn the basic concepts of accounting packages
 ➢ To impart knowledge about goods and service tax.

Course Outcome
At the time of completion of the course, students will be able to

CO No.	CO Statement	Knowledge Level
CO1	Define the basic concept of accounting in tally ERP 9	K1
CO2	Explain the accounting procedures for ledger, voucher and cost creation	K2
CO3	Appling GST	K3

CO4	Analyze stock group, stock category, stock item and stock category summary	**K4**
CO5	Estimate the budget	**K5**

Tally ERP 9

(30 Hours)

1. Creation, alteration and deletion of company
2. Creation, alteration and deletion of ledger
3. Preparation of Final Accounts with adjustments
4. Display of Profit & Loss Account and Balance Sheet
5. Voucher entries in double entry mode.
6. Creation of Stock Groups, Stock Category, Unit of Measure & Stock Items
7. Alteration and deletion of inventory masters
8. Generating Accounting and Inventory Reports
9. Creation, Alteration & Deletion of Cost Centres and Cost Categories
10. Creation, Alteration & Deletion of Bank Reconciliation Statement
11. Creation, Alteration & Deletion of Budgets
12. Creation of Bills Wise Details
13. GST Registration and E-filing of returns
14. Creation of GST Ledger in Tally ERP 9
15. Creation of Sales and Purchase Ledger in Tally ERP 9

REFERENCE BOOK:

S.No	Author	Title	Publishers	Year of Publication
1.	Vishnu P. Singh	Tally ERP with GST	Sultan Chand & Sons	2019
2.	V Srinivasa Vallabhan	Computer Application in Business	Sultan Chand & Sons	2019
3.	A. K. Nandhini	Implementing Tally ERP	BPB Publications, Chennai	2019
4.	Tally Education Private Ltd, Bengaluru	Tally ERP 9	BPB Publications, Chennai	2019

Course Designer
  Ms. A. Vinodhini

PG & RESEARCH DEPARTMENT OF COMMERCE		
Value Added Course	**Art of Aari & Embroidery**	**Total Hours: 30**
Course Code: VACO04P	**(Offered to students of all Programmes)**	**Date of Introduction: 04.10.2021**

Course Objective:
➢ The course is designed to gain theoretical knowledge and practical experience as an embroiderer.

➢ Impart skill training in Aari & Embroidery to enable trainees to earn income through the acquired skill.

Course Outcome:

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

CO No.	CO Statement	Knowledge Level
CO1	Define the basic concepts of Aari and Embroidery	**K1**
CO2	Compare the types of Aari and Embroidery	**K2**
CO3	Identify tools and materials for Aari and Embroidery	**K3**
CO4	Classify the usage of Tools and Materials used in Aari	**K4**
CO5	Explain finishing process of Aari & Embroidery	**K5**

Art of Aari & Embroidery

(30 Hours)

1. How to fix Aari Iron Stand
2. Making and Designing of blouse
3. How to fix cloth in Aari Frame
4. Basic Chain Stitch – Different Shapes in Chain Stitch
5. Stone Chain and Beads Work
6. Zigzag, Load & Piping Load Stich
7. Zardosi and Off Load Stitch
8. Applik Work
9. Cut Work
10. Basic Embroidery Stitches & Designs

Course Designer

Ms. S. Praveena

PG & RESEARCH DEPARTMENT OF COMMERCE		
Value Added Course	**Beauty Care**	**Total Hours: 30**
Course Code: VACO05P	**(Offered to students of all Programmes)**	**Date of Introduction: 04.10.2021**

Course Objective:

➢ To offer training that prepares the successful student to acquire the knowledge and skills.
➢ To maximize the development and personal growth of each student as a total person and to help each student discover his / her potential and hopefully function as cosmetology entrepreneurs and teachers of the future.

Course Outcome:

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

CO No.	CO Statement	Knowledge Level
CO1	Define basic knowledge of professional ethics and attitude of Beauty Care	K1
CO2	Demonstrate skills needed for manicure and pedicure treatments	K2
CO3	Identify the Conditions of the Nail & Skin	K3
CO4	Analyse the issues & challenges of beauty care products in the current Scenario	K4
CO5	Develop a professional image	K5

Beauty Care

(30 Hours)

1. Fundamentals of Skin Mask, Bleach, Clean Ups & Facials
2. Threading & Waxing
3. Essentials of Health Glowing Skin – Manicure & Pedicure
4. Latest Designs, Trends & Techniques of Nail Art – Nail Cutting, Filling and Polishing
5. Hair & Scalp Consultation – Hair Cuts, Hair Colour, Setting and Styling
6. Smoky Eyes and Neon Lips
7. Saree Draping
8. Basic Bridal Makeup

Course Designer

Ms. S. Praveena

PG AND RESEARCH DEPARTMENT OF MATHEMATICS		
VALUE ADDED COURSE	**VEDIC MATHEMATICS - I**	**HOURS - 30**
COURSE CODE – VAMA01	**(Offered to students of all Programmes)**	**DATE OF INTRODUCTION 04.10.2021**

Objectives:

➢ To eradicate the fear of Mathematics and instils confidence.
➢ To improve calculation speed and numerical skills.
➢ Facilitate the habit of analytical thinking and measured approach towards any problem.

Course Outcomes:

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

CO Number	CO Statement	Knowledge Level
CO1	Apply the tricks of multiplication with 2-digit numbers.	K3
CO2	Illustrate themethods of multiplication with 3-digit numbers.	K2
CO3	Solve the division problems with basic methods	K3
CO4	Classifythe division problems with denominators.	K3
CO5	Compute the short cut methods of finding square of a number.	K3

VALUE ADDED COURSE
VEDIC MATHEMATICS-I
SYLLABUS

UNIT I – Multiplication (6 Hours)

Multiplication of 2-digit numbers by 2-digit numbers – Multiplication of 3-digit numbers by 3-digit numbers – Multiplication of numbers near 100 – Multiplication of numbers near 50 – Multiplication of numbers near 200 – Choosing a base.

UNIT II – Multiplication (6 Hours)

Multiplication of 3-digit numbers by 2-digit numbers – Multiplication of 4-digit numbers by 2-digit numbers – Multiplication of 5-digit numbers by 2-digit numbers –Multiplication of 4-digit numbers by 3-digit numbers.

UNIT III – Division (6 Hours)

Conventional Method – Nikhilam Method – Paravartya Method.

UNIT IV – Division (6 Hours)

Denominator ending with 9 – Denominator ending with 8 – Denominator ending with other digits.

UNIT V – Square (6 Hours)

Forward Method: the square of an adjacent number – Reverse Method.

TEXT BOOKS:

S. No	Authors	Title of the Book	Publishers/Edition	Year of Publication
1.	Ronak Bajaj	Vedic Mathematics	Black Rose Publications	2005

REFERENCE BOOKS:

S. No	Authors	Title of the Book	Publishers/ Edition	Year of Publication
1.	Bharati KrsnaTirthaji Maharaja	Vedic Mathematics	Motilal Banarsidass Publishers Private Ltd, Delhi	Re-Print 2004
2.	Dhaval. Bathia	Vedic Mathematics Made Easy	Jaico Publishing House, Mumbai	2006

Weblinks:
1. https://youtu.be/mKamfXTytgM
2. https://youtu.be/ZzYTITbCVpI
3. https://youtu.be/f0W32SwhAwM
4. https://youtu.be/zADj0k0waFY
5. https://youtu.be/TLTNLcEn7w0

Pedagogy:

Chalk and Talk, PPT, Discussion and Quiz.

Course Designer:
Dr.S.Sasikala

PG AND RESEARCH DEPARTMENT OF MATHEMATICS		
VALUE ADDED COURSE	ANALYTICAL REASONING SKILLS	HOURS - 30
COURSE CODE – VAMA02	(Offered to students of all Programmes)	DATE OF INTRODUCTION 04.10.2021

Objectives:

- ➢ To analyse, interpret and solve mathematical Problems.
- ➢ To improve one's ability to think critically.
- ➢ To learn a variety of strategies for problem solving.

Course Outcomes:

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

CO Number	CO Statement	Knowledge Level
CO1	Illustrate the concept of coding and decoding.	K2
CO2	Explain the tricks to find the direction.	K2
CO3	Describe the problems of blood relation.	K2

CO4	Identify the short cuts of alphabet test.	K1
CO5	Solve the concept of number, letter, word, figure analogy.	K2

VALUE-ADDED COURSE
ANALYTICAL REASONING SKILLS
SYLLABUS

UNIT I **(6 Hours)**
  Coding Decoding Test.
UNIT II **(6 Hours)**
  Direction Test.
UNIT III **(6 Hours)**
  Blood Relation.
UNIT IV **(6 Hours)**
  Alphabet Test.
UNIT V **(6 Hours)**
  Analogy.

TEXT BOOKS:

S. No	Authors	Title of the Book	Publishers/Edition	Year of Publication
1.	K.P.Singh, P.Singh	Reasoning Test. General Intelligence Test	Source Books A Unit of Viva Books Pvt. Ltd	Reprint 2016

REFERENCE BOOKS:

S. No	Authors	Title of the Book	Publishers/ Edition	Year of Publication
1.	Edgar Thorpe	Test of Reasoning for Competitive Examinations	Tata McGraw-Hill Publishing Company Limited, New Delhi, 2nd Edition,	3rd Re-Print 2000.
2.	R.V.Praveen	Quantitative Aptitude and Reasoning	Phi Learning, New Delhi, 2nd Edition.	2013

Web links:
  1. https://www.youtube.com/watch?v=-KYF8ZZznwY
  2. https://www.youtube.com/watch?v=3OPBR3_L4y8
  3. https://www.youtube.com/watch?v=g9d0yORWrt4
  4. https://www.youtube.com/watch?v=bvSkWnAxwIs
  5. https://www.youtube.com/watch?v=ZmAl059rCfs

Pedagogy:
  Chalk and Talk, PPT, Discussion and Quiz.
Course Designer:
  Ms.V.Manimozhi

PG AND RESEARCH DEPARTMENT OF MATHEMATICS		
VALUE ADDED COURSE	**QUANTITATIVE APTITUDE-I**	**HOURS: 30**
COURSE CODE – VAMA03	**(Offered to students of all Programmes)**	**DATE OF INTRODUCTION 04.10.2021**

Objectives:
- ➢ To provide the knowledge to analyze, interpret and solve the Mathematical problems.
- ➢ To develop the thinking capacity.
- ➢ To inquire many short tricks to solve problems.

Course Outcomes:

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

CO Number	CO Statement	Knowledge Level
CO1	Classify the Problems on Numbers.	**K2**
CO2	Illustrate the notions of decimal fractions.	**K2**
CO3	Describe the problems on simplification.	**K2**
CO4	Explain the concept of square roots and cube roots.	**K2**
CO5	Identify the ideas of Odd Man Out and Series.	**K3**

VALUE-ADDED COURSE
QUANTITATIVE APTITUDE-I
SYLLABUS

UNIT I (6 Hours)
   Numbers.
UNIT II (6 Hours)
   Decimal Fractions.
UNIT III (6 Hours)
   Simplification.
UNIT IV (6 Hours)
   Square Roots & Cube Roots.
UNIT V (6 Hours)
   Odd Man Out & Series.
TEXT BOOKS:

S. No	Authors	Title of the Book	Publishers/Edition	Year of Publication
1.	R. S.Aggarwal	Quantitative Aptitude – For Competitive Examinations (Fully Solved)	S.Chand& Company Pvt.Ltd,	Reprint 2015

REFERENCE BOOKS:

S. No	Authors	Title of the Book	Publishers/ Edition	Year of Publication
1.	T.K. Sinha	80+ Practice Sets of Quantitative Aptitude for Bank PO Exams	Arihant Publication (India) limited	2002.
2.	S.P. Gupta and P.K.Gupta	Quantitative Aptitude	Sultan Chand and Sons, New Delhi	2008.

Web links:
1. https://www.youtube.com/watch?v=wqKpV2edSdE
2. https://www.youtube.com/watch?v=n6AsChcbebo
3. https://www.youtube.com/watch?v=bile8UT7F6s
4. https://www.youtube.com/watch?v=ye6Bz8EPZK0
5. https://www.youtube.com/watch?v=tnc9ojITRg4&t=1815s

Pedagogy:

Chalk and Talk, PPT, Discussion and Quiz.

Course Designer:
1. Ms. V. Manimozhi
2. Dr. B. Nisha

PG AND RESEARCH DEPARTMENT OF MATHEMATICS		
Value added course	**STATISTICAL TECHNIQUES USING EXCEL**	**HOURS: 30**
Course code – VAMA04	**(Offered to students of all Programmes)**	**DATE OF INTRODUCTION 04.10.2021**

OBJECTIVES:
➢ To analyze the statistical problems.
➢ To provide the knowledge to interpret and solve the statistical problems.
➢ To ensure with the ideas of statistical tools in Excel.

COURSE OUTCOME:
On the Successful completion of the course the student would be able to

CO Number	CO Statement	Knowledge Level
CO1	Compute Mean, Median and Mode using Excel.	**K3**
CO2	ApplyCorrelation and Regression in Excel.	**K3**

CO3	Explain Statistical diagrams with Excel.	K2
CO4	Illustrate the Hypothesis testing with Excel.	K2
CO5	Classify the Statistical data.	K3

SYLLABUS

UNIT I **(6 Hours)**

Measures of Central tendency: Arithmetic Mean – Median –Mode – Geometric Mean – Harmonic Mean.

UNIT II **(6 Hours)**

Karl Pearson's Coefficient of Correlation – Regression.

UNIT III **(6 Hours)**

Plotting: 2D Plot

UNIT IV **(6 Hours)**

Testing of Hypotheses: Test of Significance using t-Test, F-Test and Chi-Square Test.

UNIT V **(6 Hours)**

Collection and Interpretation of Sample Data.

Related Experience:

1) Arithmetic Mean, Geometric Mean and HarmonicMean.
2) Median andMode.
3) Karl Pearson's Co-efficient ofcorrelation.
4) Regression.
5) Test the significance of hypothesis using't'test.
6) Test the significance of hypothesis using 'F'test.
7) Test the significance of hypothesis using chi-square test.
8) Plotting of Bar Diagram.
9) Plotting of Pie Diagram.
10) Plotting of Scatterplot Diagram.

TEXT BOOKS:

S. No	Authors Name	Title of the Book	Publishers Name	Year of Publication
1.	R.S.N. Pillai and Bagavathi.	Practical Statistics	Sultan Chand & Sons.	2008
2.	R. S. N. Pillai & Bhagavathi	Statistics, Theory and Practice	S. Chand & Company	2016

REFERENCE BOOKS:

S. No	Authors Name	Title of the book	Publishers Name	Year of Publication
1.	V. Rajagopalan	Selected Statistical Tools	New Age International (P) Ltd Publishers	2006
2.	G. S. S.Bhisma Rao	Probability and Statistics	Scitech Publications (India) Private Limited, New Delhi	2011

3.	Veer Bala Rastogi	Fundamentals of Biostatistics	Ane Books India	2008

WEBLINKS:

1. https://youtu.be/ehxwGufdAiw
2. https://youtu.be/2CEGh1emkzM
3. https://youtu.be/SQ3MZeLRtr8
4. https://youtu.be/gp5xQHdbwwI
5. https://youtu.be/--Tc4TqNrPA

PEDAGOGY:

Power point presentation, Group Discussion, Seminar, Quiz, Assignment.

Course Designer:

Dr. B. Nisha

DEPARTMENT OF PHYSICS		
Value added course	**PRINTED CIRCUIT BOARD DESIGNING**	**HOURS: 30**
Course code-VAPH01	**(Offered to students of physics department)**	**Date of introduction 01.10.2021**

OBJECTIVES:

➢ Introduction PCB designing concepts
➢ Component introduction and their categories
➢ To make students capable to design their own projects PCB up to industrial grade.
➢ Detailed description and practical of PCB designing

OUTCOMES:

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

CO NO.	CO Statement	Knowledge level
CO1	Identify the Electronic Components	**K1**
CO2	Understand basics of PCB designing	**K2**
CO3	Understand the PCB Layout	**K2**
CO4	Classify the types of laminations	**K2**
CO5	Demonstrate drilling and Soldering the Components on PCB	**K3**

SYLLABUS

UNIT-I: INTRODUCTION TO PRINTED CIRCUIT BOARD   **(6 Hours)**

    Fundamental of electronic components, basic electronic circuits, Basics of printed circuit board designing: Layout planning, general rules and parameters

UNIT–II: LAYOUT AND PLANNING   **(6 Hours)**

    Layout scale – Grid system – Board types PCB production facilities – Layout approaches – Documentation. Realizing supply and ground conductors – Component placing

UNIT–III: AUTOMATION AND COMPUTERS IN PCB DESIGN   **(6 Hours)**

    Limitations of manual design – Automatic artwork draughting – Computer aided design – Design automation – Limitations of automation in PCB design. Computer Software for PCB design.

UNIT–IV: LAMINATIONS   **(6 Hours)**

    Properties of copper-clad laminates – Manufacturing process – Types of laminates Phenolic, Epoxy, Polyester laminates – Polyamide laminates.

UNIT-V: DRILLING AND SOLDERING   **(6 Hours)**

    Drilling and soldering – Drilling of designed PCB – Soldering Process of components – Testing and troubleshooting –screen printing and masking

TEXT BOOKS:

S. No.	Authors	Title of the book	Publishers	Edition	Year of Publication
1.	R. S. Khandpur	Printed circuit board design ,fabrication assembly and testing	Tata McGraw Hill	-	2006
2.	Clyde F. Coombs, Jr, Happy T. Holden	Printed Circuits Handbook	Tata McGraw-Hill	Sixth Edition	2016

REFERENCE BOOKS:

S. No.	Authors	Title of the book	Publishers	Edition	Year of Publication
1.	Walter C. Bosshart	PCBs Design and Technology	Tata McGraw Hill	-	1990.

TEACHING PEADOGY

    Power point presentation, Chalk and Talk

COURSE DESIGNER

    Ms. T. Noorunnisha

DEPARTMENT OF PHYSICS		
Value added course	**UTILIZATION OF SOLAR ENERGY**	**30 HOURS**
Course code: VAPH02	**OFFERED TO STUDENTS OF ALL PROGRAMME**	**DATE OF INTRODUCTION:01.10.2021**

OBJECTIVES:

> ➤ To expose the students with the different aspects of measurement, harvesting and utilization of solar energy.

- To encourage the preferential use of solar energy.
- To Develops solar energy and energy efficiency.

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

CO Number	CO Statement	Knowledge Level
CO1	Access solar energy potential energy	**K1**
CO2	Identify the different ways of utilization of solar energy	**K1**
CO3	Understanding of direct usage of solar energy	**K2**
CO4	Understand the maintenance of solar energy	**K2**
CO5	Understand the features of different solar energy	**K2**

SYLLABUS

UNIT I: Introduction (6 Hours)
Basic Heat Transfer Principles- Availability of Solar Energy- Nature of Solar Energy- Solar Energy & Environment- Sun as the source of radiation- Solar radiation.

UNIT II: Solar water Heater (6 Hours)
Principals of solar thermal systems-Technology's in solar water heating systems- salient features of solar water heating systems- Application of solar water heating systems- installing of solar water heating systems
UNIT III: Solar lighting system (6 Hours)
Description of main parts of solar lighting system: Solar Lantern-street light- home light-Charge controller- Storage battery- Inverter-Maintenance of solar lighting system.
UNIT IV: Solar cooking (6 Hours)
Benefits of solar cooking-advantages and disadvantages solar cooking.
UNIT V: Roof Top (6 Hours)
Technical Standards and Specification-Types of Roof top-Capacity Limiting-Technical Considerations-Standards and Specifications.

TEXT BOOKS:

S. No.	Authors	Title of the book	Publishers	Year of Publication	Edition
1.	Soteris A. Kalogirou	Solar Energy Engineering: Processes and Systems	Academic Press, London	2009	-
2.	Tiwari G.N	Solar Energy – Fundamentals Design, Modelling and applications	Narosa Publishing House, New Delhi	2002	-

REFERENCE BOOKS:

S. No.	Authors	Title of the book	Publishers	Year of Publication	Edition
1.	G.D Rai	Non-conventional Sources of Energy	Khanna Publishers, Delhi	2008	-
2.	Dr. H. Naganagouda	Solar Power Hand Book	Khanna Publishers, Delhi	2014	-
3.	Chetan Singh Solanki	Renewable Energy Technologies	PHI School Books	2008	-
4.	Kothari D.P. and Signal K.C	Renewable Energy Sources and Emerging Technologies	New Arrivals – PHI	2011	2 Edition

Teaching Pedagogy
     Power point presentation and chalk & talk.

Course Designer
     Dr. K. KANNAGI

DEPARTMENT OF PHYSICS		
Value added course	**SCIENTIFIC TRAINING ON SOFTWARE TOOLS**	**HOURS: 30**
Course code: VAPH03	**OFFERED TO STUDENTS OF ALL PROGRAMME**	**DATE OF INTRODUCTION 01.10.2021**

OBJECTIVES:
➢ To make them understand the principles of software.
➢ To educate MS-office system, internet operations, online, offline working areas.
➢ To train them to work on the comment based activities in MS-office system.

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

CO Number	CO Statement	Knowledge Level
CO1	Identify work on text and numerical data	**K1**
CO2	Classify the experience on spread sheet and word	**K1**
CO3	Understanding of computer operations	**K2**
CO4	Understand the features of different tools	**K2**
CO5	Explain the Work on Word, Excel and Power Point	**K2**

SYLLABUS
UNIT I   **(6 Hours)**
    Computer Fundamentals Computer and Operating system Fundamentals – Components of a computer system –Input and Output devices – Memory Handling –Storage Devices
UNIT II   **(6 Hours)**
    MS -Word Introduction to MS-Word and User Utilities – Exploring Template and

Formation of Documents

UNIT III **(6 Hours)**

MS – Excel Spreadsheet –workbook window –Formatting Cells / Worksheet – Working with Formula, Function and Charts – Filtering data and Printing a Presentation

UNIT IV **(6 Hours)**

MS – Power Point Introduction to MS –Power Point –Creating Templates – Font and color editing –Consolidating using MS-Power Point

UNIT V **(6 Hours)**

Officer Appliances Accounting machine – Addressing machine – Envelope Sealing machine – Franking machine.

TEXT BOOKS

S. No.	Authors	Title of the book	Publishers	Year of Publication	Edition
1.	Dr.S.V.Srinivasa Vallabhan	Computer Application in Business	Sultan Chand and Sons, New Delhi	2011	-
2.	Alexis Leon	MS-Office and Internet	Vikas Publishing	-	-
3.	K.Mohan Kumar and Vijay Nicole	Computer Application in Business	Nicole imprints Private Limited	2009	-

REFERENCE BOOK

S. No.	Authors	Title of the book	Publishers	Year of Publication	Edition
1.	V. Rajaraman	Computer Basics and C Programming	PHI	2008	-
2.	R. S. N. Pillai & Bagavathi	Office Management	S.Chand	2013	-

Teaching Pedagogy

Power point presentation and chalk & talk.

Course Designer

R. A. KIRUTHIKA

PG DEPARTMENT OF CHEMISTRY		
Value Added Course	**Hands on approach to UV – Visible Spectroscopy**	**Hours: 30**
Course Code : VACH01	**(Offered to students of all the Science Programme)**	**DATE OF INTRODUCTION 01.10.2021**

OBJECTIVES

➤ Acquire skills on quantitative technique used to measure how much a chemical substance absorbs light.

➤ Obtain knowledge on Sample preparation for UV

> ➤ Determining λ max and ε values

COURSE OUTCOMES

On successful completion of this course, the student will be able to

CO	CO Statement	Knowledge Level
CO1	Understand why molecules absorb UV-visible light and how the spectrum changes with molecular structure	K1
CO2	Learn how to select and use sample cells correctly	K1
CO3	Understand the possible causes of poor-quality measurements and deviations from Beer's Law	K1
CO4	This course gives a favor or weightage to the students during the interview in securing jobs or research opportunities.	K2

SYLLABUS

Unit - I   **(6 Hours)**
Ultraviolet and visible radiation electronic transitions and the UV spectrum – calculating absorption maxima - The Beer-Lambert Law.

Unit - II   **(6 Hours)**
Instrumentation - Components of a UV–visible spectrometer light sources and detectors Single-beam and double-beam -instruments Sample cell (cuvette).

Unit - III   **(6 Hours)**
Analysis of the sample – concentration - choice of solvent- solution preparation -base correction - sample recording.

Unit - IV   **(6 Hours)**
Data interpretation – calculation. Applications - purity checks and quantitation.

Unit - V   **(6 Hours)**
Hands on training with different types of samples. (Water samples & Metal nanoparticles)

TEXT BOOKS:

S. No.	Author (s)	Title of the Book	Publisher	Year of Publication
1.	Douglas A. Skoog, F Holler	Instrumental Analysis	Thomson Press (India) Ltd	2009
2.	Gurdeep R Chatwal and Sham K. Anand	Instrumental methods of chemical Analysis	Himalaya publishing house	2005

REFERENCE BOOK:

S. No.	Author (s)	Title of the Book	Publisher	Year of Publication
1.	Vogel A.I	Book of Quantitative Inorganic analysis	The English Language Book Society Douglas	2000

Pedagogy
      E-content, Lecture, Power Point Presentation, Quiz, Group discussion, Video/Animation.
Course Designers
    Dr. G. Sivasankari
    Dr. S. Saranya

PG DEPARTMENT OF CHEMISTRY		
Value Added Course	**Chemistry of Cosmetics**	**Hours: 30**
Course Code : VACH02	**(Offered to students of all the Programme)**	**DATE OF INTRODUCTION 01.10.2021**

OBJECTIVES
> Cosmetic plays an important role in our everyday lives as they make an individual's appearance more attractive and boost one's self-esteem and confidence.
> Keeping in view the tremendous potential which the cosmetic industry has today around the globe, this course will be useful for introducing students to the world of cosmetic chemistry.
> This has been designed to impart the theoretical and practical knowledge on basic principles of cosmetic chemistry, manufacture, formulation of various cosmetic products.

COURSE OUTCOMES
On successful completion of this course, the student will be able to

CO	CO Statement	Knowledge Level
CO1	Learn basic of cosmetics, various cosmetic formulation, ingredients and their roles in cosmetic products.	**K1**
CO2	Learn the use of safe, economic and body-friendly cosmetics	**K1**
CO3	Prepare new innovative formulations.	**K2**

SYLLABUS

Unit – I (6 Hours)

Preparation of soft soap.

Unit – II (6 Hours)

Ingredients- composition - preparation of organic lip balm.

Unit – III (6 Hours)

Constituents- configuration- preparation of shampoo and room freshener.

Unit – IV (6 Hours)

Ingredients- composition -preparation of organic hair dye.

Unit – V (6 Hours)

Constituents- Configuration -Preparation of nail polish, nail polish remover and organic kajal.

TEXT BOOK:

S. No.	Author (s)	Title of the Book	Publisher	Year of Publication
1.	Barel, A.O.; Paye, M.; Maibach, H.I.	Handbook of Cosmetic Science and Technology	CRC Press	2014

REFERENCE BOOK:

S. No.	Author (s)	Title of the Book	Publisher	Year of Publication
1.	Garud, A.; Sharma, P.K.; Garud, N	Text Book of Cosmetics	Pragati Prakashan	2012

Pedagogy

E-content, Lecture, Power Point Presentation.

Course Designers

➢ Dr. P. Pungayee alias Amirtham , Assistant Professor, Department of Chemistry.
➢ Dr. G. Sivasankari, Assistant Professor, Department of Chemistry

PG DEPARTMENT OF CHEMISTRY		
Value Added Course	**Homemade Herbal Medicines**	**Hours : 30**
Course Code: VACH03	**(Offered to students of all the Programme)**	**DATE OF INTRODUCTION 01.10.2021**

OBJECTIVES

➢ Herbal medicines are one type of dietary supplement. They are sold as tablets, capsules, powders, teas, extracts, and fresh or dried plants.
➢ Herbal medicines help us to maintain or improve our health. In light of its numerous health benefits, this course has been designed to provide the necessary background for the students to begin to incorporate herbal medicines into routine practice.

➢ This course imparts the theoretical and practical knowledge on herbal medicines, formulation of various herbal products.

COURSE OUTCOMES
On successful completion of this course, the student will be able to

CO	CO Statement	Knowledge Level
CO1	Learn basics of herbal medicines, formulation of various herbal products and therapeutic properties.	**K1**
CO2	Learn the uses of safe, economic homemade medicines.	**K1**
CO3	Enhance the applicability of herbal medicine in routine life.	**K2**

SYLLABUS
Unit I   **(6 Hours)**
Introduction-Herbal Medicines in Healthcare
Unit – II   **(6 Hours)**
Homemade vapor rub- therapeutic properties-ingredients-composition-preparation-storage-directions to use.
Unit – III   **(6 Hours)**
Homemade aloe vera gel-therapeutic uses-material required- therapeutic properties-material required-preparation-storage-directions to use.
Unit – IV   **(6 Hours)**
Homemade cough syrup–therapeutic properties-ingredients-preparation-storage-directions to use.
Unit – V   **(6 Hours)**
Essential oil–therapeutic properties-material required-preparation-storage-directions to use.

Text Book:

S. No.	Author (s)	Title of the Book	Publisher	Year of Publication
1.	Carmen Reeves	Homemade Herbal Medicine	Kindle Unlimited	2015

Reference Book:

S. No.	Author (s)	Title of the Book	Publisher	Year of Publication
1.	Rao, A.P.	Herbs that heal.	Diamond Pocket Books (P) Ltd, New Delhi.	1999

Pedagogy
E-content, Lecture, Power Point Presentation.
Course Designers
➢ Dr. G. Sivasankari, Assistant Professor, Department of Chemistry.
➢ Dr., S. Saranya, Assistant Professor, Department of Chemistry

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE		
Value Added Course	**PYTHON PROGRAMMING**	Hours: 30
Course Code: VACS01	**(Offered to Students of Other Programmes)**	**Date of Introduction: 04.10.2021**

Objective:

- To have a fundamental understanding of the Python programming language
- To learn different types of sequence structures, related operations and their usage. Also learn diverse ways of opening, reading, and writing to files
- To understand how to create your own Python applications

Course Outcomes

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

CO Number	CO Statement	Knowledge Level
CO1	Understand Python programming basics and paradigm	K2
CO2	Write and debug simple python programs with loop and condition statements	K3
CO3	Use Python lists, tuples, dictionaries for representing compound data	K3
CO4	Apply file concept in python	K3
CO5	Construct own Python applications	K4

Syllabus:

UNIT-1 **(4 HOURS)**

Introduction- History- Features-setting up path-working with python-basic syntax - variables-data types-operators.

UNIT-2: **(6 HOURS)**

Conditional Statements: If-else-Nested if-else-Looping statements: For-While-Nested loops-Control statements: Break-continue-pass.

UNIT-3: **(6 HOURS)**

Lists:Accessing list-list operations-working with lists-Tuple: Accessing tuples-operations-working with tuples-ranges-String manipulation-string slices.

UNIT-4: **(6 HOURS)**

Dictionaries: Accessing values in dictionaries- Working with dictionaries-sets-functions: Defining a function- Calling a function- Function Arguments – modules-Packages.

UNIT-5: **(8 HOURS)**

File operations: Opening and closing file- Reading and writing files-Database-Data visualization-Project Development: QR Code generation- GUI application for Calendar with Python using Tkinter- Convert Image to a Pencil Sketch using Python-Text to speech-website blocker creation.

Text Book

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHER / EDITION	YEAR OF PUBLICATION
1	Jeeva Jose & P.Sojan Lal	Introduction to Computing and Problem Solving with PYTHON	KHANNA Book Publishing Co.(P).Ltd	2016

Reference Books

S.NO	AUTHOR	TITLE OF THE BOOK	PUBLISHER / EDITION	YEAR OF PUBLICATION
1	Dr.R.Nageswara Rao	Core Python Programming	Dreamtech Press	2017
2	Allen B. Downey	Think Python	O'Reilly Publishers 2nd edition	2015

Web References:
1. https://www.geeksforgeeks.org/python-programming-examples/
2. https://pynative.com/python-exercises-with-solutions/
3. https://pythonistaplanet.com/python-programming-exercises-and-solutions/

Pedagogy:
Power Point Presentation, Live Demonstration

Course Designer:
Dr.K.Reka

PG & Research Department of Computer Science		
Value Added Course	E-Content Development	Hours: 30 Hours
Course Code **VACS02P**	(Offered to Students of all Programmes)	Date of Introduction: 04.10.2021

Objective:
- To learn the process of designing and development of e-content module
- To describe the use of various tools for editing graphics , audio and video
- To create e-content for a particular topic

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

CO Number	CO Statement	Knowledge Level
CO1	Understand the principles of script writing	K2
CO2	Analyze the basic editing techniques	K3

CO3	Apply the transition effects	K3
CO4	Demonstrate an understanding of Video making	K2
CO5	Construct own E-Content on particular topic	K3

Lab Exercises:

1. Script writing
2. Select Aspect ratio of Project, Choose Media and Add Layers
3. Prepare and Edit a content video
4. Add voice and music to the content
5. Live capture and recording
6. Add transitions effects
7. Visual corrections and special effects
8. Export and share video to Media
9. e-Content development for a particular topic

Web References:

1.https://www.researchgate.net/publication/313822939_E-learning_and_E-content_Development
2.https://sites.google.com/site/bethanycollegeofteacheredn/e-content-and-open-educational-resources
3. https://www.dit.ie/media/ittraining/msoffice/MOAC_Powerpoint_2016.pdf
4. https://www.youtube.com/watch?v=TeKRsMO_6Rw
5. https://www.youtube.com/watch?v=WSXq0xrSUlo

Pedagogy:
Demonstration, PPT,e-Content

Course Designer:
Ms.R.Ramya

PG & RESEARCH DEPARTMENT OF COMPUTER SCIENCE		
Value Added Course	Introduction to worksheets	Hours: 30 Hours
Course Code **VACS03P**	(Offered to Students of all Programmes)	Date of Introduction: 04.10.2021

Objective:
- To learn the basics of formatting, creation of tables and charts
- To perform advanced data analysis with functions, formulas, and charts
- To optimize the manipulation time in excel with the use of VBA

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

CO Number	CO Statement	Knowledge Level
CO1	Demonstrate the use of basic functions, formatting custom data	K2
CO2	Apply conditional formatting	K3
CO3	Implement Lookup for performing analysis	K3
CO4	Analyze content using pivot table	K3
CO5	Build Applications using VBA code	K3

Lab Exercises:
1. Create a Worksheet and Workbook
2. Apply formatting and functions
3. Apply Conditional Formatting
4. Create a table, sort data and apply filter
5. Mark Sheet Preparation
6. Create a Pivot table and generate a pivot chart
7. Lookup for worksheet
8. Hide all Worksheets except the active sheet using VBA
9. Change the Letter Case of Selected Cells using VBA
10. Highlight Blank Cells with VBA

Web References:
1. http://www2.cs.uregina.ca/~cs104/what_to_do/check_the_lab_outline/Seminar5Excell/exercises/exercise.html
2. https://excel-practice-online.com/
3. https://www.automateexcel.com/vba-code-examples/

Pedagogy:
Live Demonstration , PPT, Youtube videos

Course Designer:
Ms.P.Muthulakshmi

DEPARTMENT OF COMPUTER APPLICATIONS		
Value Added Course	**Basic Mobile Application Development**	**30 Hours**
Course Code: VACA01P	(Offered to students of all Programme)	**01.10.2021**

OBJECTIVES
- To design and develop user Interfaces for the Android platform.
- To learn the basic and important design concepts and issues of development of mobile applications.

- On successful completion of the course, students will be able to

CO NUMBER	CO STATEMENT	KNOWLEDGE LEVEL
CO1	Install and configure Android application development tools.	K2
CO2	State information across important operating system events.	K3
CO3	Apply Java programming concepts to Android application development.	K3

LIST OF EXPERIMENTS

1. To study Android Studio and android studio installation. Create "Hello World" application.
2. To understand Activity, Intent, Create sample application with login module.(Check username and password).
3. Design simple GUI application with activity and intents e.g. calculator.
4. Develop an application that makes use of RSS Feed.
5. Write an application that draws basic graphical primitives on the screen
6. Create an android app for database creation using SQLite Database.
7. Develop a native application that uses GPS location information
8. Implement an application that writes data to the SD card.
9. Design a gaming application
10. Create an application to handle images and videos according to size.

BOOKS FOR STUDY

S.No	Author(s)	Title of the book	Publisher	Year of Publications
1	Reto Meier	"Professional Android 4 Application Development"	1st Edition, Wile Publication	2012

BOOKS FOR REFERENCE

S.No	Author(s)	Title of the book	Publisher	Year of Publications
1	Ian G. Clifton	"Android User Interface Design: Turning Ideas and Sketches into Beautifully Designed Apps"	Addison-Wesley	2013

PEDAGOGY

Power Point Presentation, Live Equipment demonstration, Video Lectures.

COURSE DESIGNER
Ms. V. Infine Sinduja, Assistant Professor, Department of Computer Applications.

DEPARTMENT OF COMPUTER APPLICATIONS		
Value Added Course	**Open Broadcaster Software**	**30 Hours**
Course Code: VACA02	(Offered to students of all Programme)	**01.10.2021**

OBJECTIVES
- To learn how to use Open Broadcaster Software to create professional live streams and video recordings
- Create live streams to Facebook or YouTube
- How to use OBS with Zoom, Google meet

COURSE OUTCOME
- On the successful completion of this course the students will be able to

CO NUMBER	CO STATEMENT	KNOWLEDGE LEVEL
CO1	Identify technologies behind broadcasting	**K1**
CO2	Improves creativity in subject matters	**K2**
CO3	Explain and express views and opinions in broadcasting software	**K2**
CO4	Prepare and practice live stream techniques	**K3**

SYLLABUS
UNIT I   **(5 HOURS)**
        Introduction :Introduction of broadcasting software-About Open Broadcaster Software-Downloading & installing OBS-OBS Interface Overview.
UNIT II (Related Experience)   **(5 HOURS)**
        OBS instruments: OBS Sources-Scenes-Audio and Video Bitrates-OBS Basic Settings.

UNIT III (Related Experience)   **(6 HOURS)**

        Effects & additional Tools : Tools-Filters-Managing layers-Adding overlay.
UNIT IV (Related Experience)   **(7 HOURS)**
        Video Recording: Optimizing OBS for Recording-Video recording and editing of live event-Recording virtual platform event.
UNIT V (Related Experience)   **(7 HOURS)**

        Streaming: Optimizing OBS for Streaming-Live Streaming Techniques-Streaming in YouTube and Facebook.

BOOKS FOR REFERENCE

S.No	Author(s)	Title of the book	Publisher	Year of Publications
1	Paul William Richards	"The Unofficial Guide to Open Broadcaster Software"	Independently Published	2019
2	Walt Roberts	"Live Streaming Kit: How to Live Stream Online for Beginners & Gamers"	One Jacked Monkey, LLC	2019

PEDAGOGY
Power Point Presentation, Live Equipment demonstration, Video Lectures.

COURSE DESIGNER
Ms. M. Ellakkiya, Assistant Professor, Department of Computer Applications.

DEPARTMENT OF COMPUTER APPLICATIONS		
Value Added Course	**Mobile Repair and Trouble Shooting**	**30 Hours**
Course Code: VACA03	(Offered to students of all Programme)	**01.10.2021**

OBJECTIVES
- To understand the Concepts & Structure of Mobile Hardware
- To learn the capabilities and limitations of mobile devices.

COURSE OUTCOME
- On successful completion of the course, students will be able to

CO NUMBER	CO STATEMENT	KNOWLEDGE LEVEL
CO1	Identify the components of mobile	K2
CO2	Illustrate installation of operating systems	K3
CO3	Apply mobile trouble shooting	K3
CO4	Change the screen and battery of the mobile	K3

SYLLABUS
UNIT I   **(6 HOURS)**
    Introduction to mobile phones, Generations of mobile phones, FHSS networks, GSM, Spread spectrum, CDMA, TDMA & Basic electronics components.
UNIT II   **(6 HOURS)**
    Handset Specific operating systems, Handset features & applications, working principle of mobile handset & Components used in mobile handsets.
UNIT III (Related Experience)   **(6 HOURS)**
    Tools & equipment used for repairing & maintenance of mobile handsets, types of power supply & batteries, boosting a battery, Troubleshooting basics.
UNIT IV (Related Experience)   **(6 HOURS)**

Network problems, Power failure (dead), Mobile phone hardware troubleshooting (water damage, hanging, charging & keypad problems), Handsets assembly& disassembly, Soldering & desoldering &SMD rework station.

UNIT V (Related Experience)   **(6 HOURS)**

Mobile softwares, Data cable, Card reader, Mobile display, Remove/replace Component & Mobile phone hardware troubleshooting.

Books for References:

S.No	Author(s)	Title of the book	Publisher	Year of Publications
1	Muhammad Asif Azeemi	"Learn Cell Phone Repair: A Do-It-Yourself Guide To Troubleshooting and Repairing Cell phones"	Kindle Edition	2019
2	J. F. DiMarzio	"Beginning Android Programming with Android Studio"	John Wiley & Sons	2017

PEDAGOGY

Power Point Presentation, Live Equipment demonstration, Video Lectures.

COURSE DESIGNER

Ms. V. Infine Sinduja, Assistant Professor, Department of Computer Applications.

DEPARTMENT OF INFORMATION TECHNOLOGY		
Value Added Course	**DATA ANALYSIS AND PRESENTATION TOOLS**	**Course Duration 30 Hours**
Course Code VAIT01	**Offered to students of all programmes**	**04-10-2021**

COURSE OBJECTIVES

o To create ,format and present using MS-Office tools

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	To create, format and analyse a document using Ms-Word	K1
CO2	To use various advanced tools in Ms Excel for Data analysis	K2
CO3	To retrieve online data set for Statistical analysis	K3
CO4	To develop a simple E-content using Ms PowerPoint	K2
CO5	To create a Video content by employing various multimedia tools	K3

DATA ANALYSIS AND PRESENTATION TOOLS

Ms-Word -I **(4 Hrs)**

Basics of Word - Hyperlinks - Language Tools - Cross-Referencing - Line Numbers - Watermarks - Footnotes/Endnotes - Citations/Bibliographies - Captions

Ms-Word – II **(4 Hrs)**

Indexing - Adding Comments - Track Changes - Accepting/Rejecting Changes - Comparing Documents-Understanding Google Docs and Google Forms.

Ms-Excel **(8 Hrs)**

Overview of the Basics of Excel-Customizing common options in Excel - Absolute and relative cells - Protecting and un-protecting worksheets and cells

Ms-Excel **(7 Hrs)**

Working with Functions - Writing conditional expressions –(using IF)- Using logical , functions (AND, OR, NOT) –Using -Using lookup and reference functions - Data Validations - Working with Templates - Sorting and Filtering Data - Working with Reports –Using Google Sheets - Analysing online data set .

Ms-Power Point **(7 Hrs)**

Introduction to Microsoft Word 2013--- The Basics of Creating Presentations- Applying Themes and Layouts to Slides- Working with Objects- Entering, Editing, and Formatting Text- Working in Outline View- Proofing Presentations- Inserting Pictures, Graphics, Shapes, and Other Things- Inserting Tables into Presentations-Charts and SmartArt- Adding Sound and Video- Conversion from PPT to Mpeg file format-Adding Transitions and Animation- Master Slides- Printing and Running Slide Shows- Saving, Sharing, and Exporting Presentations- Using Google Slide

REFERENCE BOOKS:

SNO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1.	Mike Van Niekerk	VBA Automation for Excel 2019 Cookbook: Solutions to automate routine tasks and increase productivity with Excel and other MS Office applications	Packt Publishing Limited	2017
2.	Linda Foulkes	Learn Microsoft Office 2019: A comprehensive guide to getting started with Word,	Packt Publishing Limited	2020

		PowerPoint, Excel, Access, and Outlook		

Web References

- https://www.tutorialspoint.com/word/index.htm
- https://www.tutorialspoint.com/powerpoint/index.htm
- https://www.tutorialspoint.com/excel/index.htm

Course Designer   :   S.Suguna Devi

Pedagogy   :   System, White Board

DEPARTMENT OF INFORMATION TECHNOLOGY		
Value Added Course	**CONTENT MANAGEMENT TOOLS**	**Course Duration 30 Hours**
Course Code - VAIT02	**Offered to students of all programmes**	**04-10-2021**

COURSE OBJECTIVES

o   To create and publish content using word press

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO1	To understand the basics of Content management	K1
CO2	To develop a simple content using Ms PowerPoint	K2
CO3	To design a website using Word press	K2
CO4	To develop and publish simple content using Word Press	K2

CONTENT MANAGEMENT TOOLS

Introduction to Content management System   (6 Hrs)

What is Content Management System (CMS) - Features- Advantages - Disadvantages

Word Press Basics   (6 Hrs)

Overview - Installation-Dashboard - Create a Permanent link for user website and make it as public site - Set your website title and tagline

Designing a Website   (6 Hrs)

Pick a theme and design a website - Create categories for website post - Write a blog and post - Customize word press theme

Creating Links and Comments   (6 Hrs)

Create and Manage links in word press pages - Add and mange comments in blog posts - WordPress Tags - Links-Add plugins to websites abilities

Word Press Add-Ons   (6 Hrs)

Access word press media libraries - Create and publish pages in website - Adjust site navigation using menus and widgets

REFERENCE BOOKS:

SNO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1.	Stephen Burge	WordPress Explained: Your Step-by-Step Guide to WordPress: 3	Prentice Hall	2020
2.	Martin Fowler	Teach Yourself VISUALLY WordPress	John Wiley & Sons	2015
3.	Kevin Wilson	Using PowerPoint 2019: The Step-by-step Guide to Using Microsoft PowerPoint 2019 (Using Microsoft Office Book 3)	Elluminet Press	2020

Web References   :   https://www.tutorialspoint.com/wordpress/index.htm
Course Designer   :   Ms.P.Tamilselvi
Pedagogy   :   System, White Board

DEPARTMENT OF INFORMATION TECHNOLOGY		
Value Added Course	**GRAPHICS AND BASIC ANIMATION TOOLS**	**Course Duration** **30 Hours**
Course Code **VAIT03**	**(Offered to student of other Programme)**	**04-10-2021**

COURSE OBJECTIVES
  o To create images and apply animations

COURSE OUTCOMES
On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	To understand the basics of photo editing tools	K1

CO2	To create different formats of images	K2
CO3	To demonstrate various techniques for animation	K2
CO4	To apply special effects on animated images	K2

Mapping with Programme Outcomes

COs\POs	PO1	PO2	PO3	PO4
CO1	S	M	M	M
CO2	S	S	M	S
CO3	S	M	S	M
CO4	S	S	M	M

GRAPHICS AND BASIC ANIMATION TOOLS

Basic Photo Editing Tools   **(3 Hrs)**
Introduction –-Selection Tools - Selection Shading - Transformation of Objects - Cropping An Image In Photoshop - Perspective Distortion Correction - Retouching Tools In Adobe Photoshop -Painting Tools In Adobe Photoshop - Editing Tools in Adobe Photoshop - Filling Tools in Adobe Photoshop - Eyedropper Tool Tips -Brush Tool Tips - Load New Brushes - Using Custom Shapes

Working with Images   **(5 Hrs)**
Rotate and Flip an Image - Color Correction with Curves - Change Image Size to view on Screen - Image Size for Printing - Change Image Resolution

Working with Layers   **(6 Hrs)**
Creation of Layer – Adjustment of Layer – Applying Layer Mask – Vector Mask – Filtering – Creation of 3D Images

Creating Animation   **(8 Hrs)**
Animating Text – 2D Animation Techniques –3D Animation Techniques

Special Effects on Animation   **(8 Hrs)**
Lights Camera & Special Effects – Character Animation– Rendering

REFERENCE BOOKS:

SNO	AUTHORS	TITLE	PUBLISHERS	YEAR OF PUBLICATION
1.	Faulkner Andrew, Chavez Conrad	Adobe Photoshop CC Classroom in a Book	Pearson Education	2017

| 2. | David Dodds | Hands-On Motion Graphics with Adobe After Effects CC | Packt Publishing Limited | 2019 |

Web References

https://akvis.com/en/photoshop-tips/painting-tools.php
https://www.udemy.com/course/animation-in-after-effects/
Course Designer   :   Dr. A.Bhuvaneswari

Pedagogy   :   System, White Board

PG & RESEARCH DEPARTMENT OF MICROBIOLOGY		
Value added Course	**Entrepreneurial Microbiology**	**30 Hours**
Course Code: VAMB01	**Offered to Microbiology students**	**Date of Introduction: 01.10.2021**

OBJECTIVES:
- ✓ To make the students to understand important concepts of entrepreneurship.
- ✓ To acquire knowledge on basic requirements for establishing a bio-based startup company.

OUTCOMES:
On the successful completion of the course students will be able to

CO Number	CO Statement	Knowledge level
CO1	Outline study of Entrepreneurial Microbiology	K1
CO2	Explain the composting process & biofertilizer production	K2
CO3	Prepare and formulate microbial metabolites	K2
CO4	Compile the types of fermented foods	K3
CO5	Relate on various mushroom production	K3

SYLLABUS

Unit I   **6 Hours**
        Entrepreneur development- Definition and scope. National and International agencies for start-ups. Ethical and legal issues involved in bio-based technology company.
Unit II   **6 Hours**
        Composting- types, methods, field applications, advantages and limitations.
Unit III   **6 Hours**

Biofertilizers *Rhizobium, Azotobacter, Azospirillum*– Mass production, Package and storage.

Unit IV   **6 Hours**

Fermented beverages- production of wine and beer; Fermented foods- sauerkraut, pickles; Fermented Dairy Products Curd, Buttermilk and Cheese.

Unit V   **6 Hours**

Mushroom cultivation – Preparation of spawn- *Calocybe* sps, *Pleurotus* sps. Post-harvest technology.

Text Books:

S. No	Author	Title	Publisher	Year
1.	Charles Bamford	Entrepreneurship	McGraw Hill	2019
2.	William C Frazier, Dennis C Westhoff	Food Microbiology	McGraw Hill	2018
3.	Dr. Awani kr. Singh	Handbook of Microbial Bertilizers	Agrotech press	2018
4.	Madigan M.T, Bender K.S, Buckley D.H, Sattley W.M. and Stahl D.A.	Brock Biology of Microorganisms	Pearson Education	2017
5.	Ram Prasad	Environmental Microbiology	IK International Publishing house, Delhi	2016

Reference Books:

S. No	Author	Title	Publisher	Year
1.	James M. Jay, Martin J. Loessner, David A. Golden	Modern Food Microbiology	Springer	2020
2.	Amita Jain	Essentials of Microbiology	Elsevier	2019
3.	Vinita Katiyar & Anubha Joshi	Microbial Research- An Overview	IK International Publishing house, Delhi	2018
4.	Ananthanarayan & Paniker's	Textbok of microbiology	Orient Blackswan	2018
5.	Dr. CD Thapa, Dr. V. Prakasam, Sh. Mohinder Singh	Mushroom culture	ICAR	2016

Web Links

1. https://www.ikbooks.com/subject/life-sciences/microbiology/145
2. https://www.ikbooks.com/books/book/earth-environmental-sciences/environmental-microbiology/9789384588526/
3. https://www.ikbooks.com/books/book/life-sciences/agriculture/potential-microorganisms-sustainable-agriculture/9788190746205/
4. https://www.amazon.in/Food-Microbiology-William-C-Frazier/dp/1259062511
5. https://www.agrimoon.com/mushroom-culture-horticulture-icar-pdf-book/
6. https://www.researchgate.net/publication/41584156_Brock_Biology_of_Microorganisms_11th_edn_Michael_T_Madigan_John_M_Martinko_eds
7. https://www.elsevier.com/books/essentials-of-microbiology-for-nurses-1st-edition/kannan/978-81-312-4454-8
8. https://www.amazon.in/Management-Entrepreneurship-N-V-R-Naidu/dp/8190675788

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz, Assignments.

Course Designer: Dr. R. Nithyatharani

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY		
Value Added Course	**DIAGNOSTIC MICROBIOLOGY**	**30 Hours**
Course Code: VAMB02	**Offered to Microbiology Students**	**Date of Introduction: 01.10.2021**

OBJECTIVES:

➢ The students will acquire the necessary knowledge and skill to ensure the quality services in health care sector.

➢ This is an innovative and need-based program meant to create employment opportunities.

OUTCOMES:

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

CO Number	CO Statement	Knowledge level
CO1	Understand the basics of clinical specimen	K2
CO2	Interpret the basics of sterilization, culture media and microscopic examinations	K3
CO3	Analyze the biochemical tests for microorganisms	K4
CO4	Explain the antimicrobial screening methods	K4
CO5	Determine the significance of Haematological techniques	K5

SYLLABUS

UNIT – I (6 Hours)

Collection, transport, processing of specimen and Identification of bacteria from clinical specimens –Urine, Blood, Sputum, Pus and Faeces – transport media and storage.

UNIT – II (6 Hours)

Principles and methods of sterilization, disinfection, antiseptics. Culture media-Methods of maintenance and preservation of microbes. Microscopic examination of Bacterial pathogens – simple, differential staining, motility.

UNIT – III (6 Hours)

Biochemical tests: Indole, Methyl red, Voges proskauer, Citrate utilization test, Catalase test, Oxidase test and Urease test.

UNIT – IV (6 Hours)

Antibiotic sensitivity tests: Disc diffusion- Kirby Bauer method and dilution methods, Determination of Minimum inhibitory concentrations, Minimum bactericidal concentrations and $IC_{50.}$

UNIT – V (6 Hours)

Haematological techniques: Blood grouping, total cell count (RBC and WBC), Agglutinations (WIDAL), Precipitation reactions (CPR), differential count, haemoglobin estimation-Sahli's method, Erythrocyte sedimentation test and Pregnancy kit test.

Text Books

S.No	Authors Name	Title of the book	Publishers Name	Year
1.	Connie R. Mahon	Textbook of Diagnostic Microbiology	Elsevier	2018
2.	Garry W. Procop, Deidre L. Church, Geraldine S. Hall, William M. Janda, Eimar W. Koneman, Paul C. Schreckenberger and Gail L.Woods	Koneman's Color Atlas and Textbook of Diagnostic Microbiology	Wolters Kluwer Health	2017
3.	Patricia Tille	Bailey & Scott's Diagnostic Microbiology Hardcover – Illustrated	Elsevier	2017
4.	Kanai L. Mukherjee and Anuradha Chakravarthy	Medical Laboratory Technology, Procedure Manual for Routine Diagnostic Tests	Mc Graw Hill India	2017
5.	Vasudevan D M, Sreekumari S and Vidhyanathan K	Textbook of Biochemistry for Medical students	Jaypee & Brothers Medical Publishers (P) Ltd	2016

Reference Books

S.No	Authors Name	Title of the Books	Publishers Name	Year

1.	Kanai L. Mukherjee	Medical Laboratory Technology	Tata Mcgraw Hill	2017
2.	Ananthanarayan and Paniker's	Textbook of Microbiology	The Orient Blackswan	2017
3.	Connie Mahon Donald Lehman	Textbook of Diagnostic Microbiology 6th Edition	Elsevier	2016
4.	Gary W Procop and Elmer W Koneman	Koneman's Color Atlas and Textbook of Diagnostic Microbiology	Wolters Kluwer Health	2016
5.	Arora D R and Arora B B	Textbook of Microbiology	CBS Publishers & Distributors	2016

Web links:
1. https://www.elsevier.com/books/textbook-of-diagnostic-microbiology/mahon/978-0-323-48218-9
2. https://books.google.com/books/about/Textbook_of_Diagnostic_Microbiology_E_Bo.html?id=VloMBAAAQBAJ
3. https://www.abebooks.com/book-search/title/diagnostic-microbiology-textbook-isolation-identification-pathogenic-microorganisms/
4. https://www.pdfdrive.com/medical-laboratory-technician-microbiology-afsc-90470-e17289142.html
5. https://www.microbiologyresearch.org/content/journal/jmm/10.1099/00222615-45-5-391?crawler=true&mimetype=application/pdf

Pedagogy

Power Point Presentations, Group Discussion, Seminar, Quiz, Assignment and Brain Storming Activity

Course Designer: Ms.N.Jeenathunisa

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY		
Value added Course	**First Aid and Emergency Care**	**30 Hours**
Course Code: VAMB03	**Offered to students of all Programmes**	**Date of Introduction: 01.10.2021**

OBJECTIVES:
- To understand and acquire knowledge of First Aid treatment in emergencies.
- To educate the techniques for First Aid treatment.

OUTCOMES:

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

COs	CO Statement	Knowledge

		level
CO1	Understand the basic needs of first aid	K2
CO2	Explain awareness about community emergencies	K5
CO3	Explain first aid measures for cardiovascular problems	K5
CO4	Demonstration of first aid measures for poisoning and animal bites	K2
CO5	Explain the techniques for First aid management	K5

SYLLABUS

Unit I   **6 Hours**
First aid - Introduction, Definition , Scope and Basics of First Aid – First Aid Kit. Managing an incident, Action plan at an emergency- Traffic and Fire accidents, Electrical and Water incidents.

Unit II   **6 Hours**
First aid - Community emergencies: fire explosions, earth quakes, flood and famine, Respiratory problems: Hypoxia, Airway obstruction, Choking - adult, infant and child.

Unit III   **6 Hours**
Emergency medical conditions - Heart attack, Stroke, Hyperglycemia, Hypoglycemia, Seizures in adults and children.

Unit IV   **6 Hours**
Poisoning and bites:Types of poisons- Swallowed, Drug, Alcohol.Bites - Animal, Insect, Ticks and Snake bite.

Unit V   **6 Hours**
Techniques- First aid material- Dressings, Cold compresses, Types of bandaging, Techniques for First Aid Treatment – Airway, Breathing and Circulation.

Text Books

S.No	Authors Name	Title of the book	Publishers Name	Year
1.	John Furst	The Complete First Aid Pocket Guide: Step-by-Step Treatment for All of Your Medical Emergencies	Simon &Schuster	2018
2.	Clement I	Textbook on First Aid & Emergency Nursing. II Edition	Jaypee Brothers Medical Publishers	2018
3.	Harris N	First Aid and Emergency Care	AITBS	2018
4.	John Furst	The Complete First Aid Pocket Guide: Step-by-Step Treatment for All of Your Medical Emergencies	Simon &Schuster	2018
5.	Liamson SN	First Aid and Emergency Care	Kumar Publications	2012

Reference Books

S.No	Authors Name	Title of the book	Publishers Name	Year
1.	Ajay Singh	First Aid & Emergency Care	NR Brothers	2019
2.	Sharma Suresh	Potter and Perry's Fundamentals of Nursing: Second South Asia Edition	Elsevier India	2017
3.	American Medical Association	American Medical Association Handbook of First Aid and Emergency Care	Random House Reference	2009
4.	American Academy of Orthopaedic Surgeons (AAOS)	First Aid, CPR, and AED, Standard (Emergency Care and Safety Institute)	Jones and Bartlett Publishers, Inc	2009
5.	Philip Jevon	Emergency care and First Aid for Nurses, A practical guide	Churchill Living Stone,	2007

Web Links

1. https://www.slideshare.net/mohanasundariskrose/first-aid-ppt-69486097
2. https://slideplayer.com/slide/3559927/
3. https://slideplayer.com/slide/3874503/
4. https://slideplayer.com/slide/7116496/

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Brain Storming activity

Course Designer: Dr. P. Bhuvaneswari

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY		
Value added Course	**Microbial Inoculant Production Technology**	**30 Hours**
Course Code:VAMB04	**Offered to Students of all Programmes**	**Date of Introduction: 01.10.2021**

OBJECTIVES:

➢ To make the students to know the importance of Microbial inoculants
➢ To learn the production methods and field applications of Microbial inoculants

Outcomes:

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

CO Number	CO Statement	Knowledge Level
CO1	Explain Microbial inoculants types and Production technology	K2
CO2	Illustrate Symbiotic and Non symbiotic Bacterial bioinoculants and study the mass cultivation methods	K2
CO3	Analyze Fungal Bioinoculants and study the mass cultivation methods	K4
CO4	Create Knowledge about Algal Bioinoculants and study the mass cultivation methods	K6
CO5	Expand view of liquid bioinoculants and study the mass cultivation methods	K6

SYLLABUS

UNIT I   **6 Hours**

Bioinoculants and types: Introduction, Definition and types of bioinoculants, Bacterial, Fungal, algal and Actinorhizal. Advantages and limitations of bioinoculants.

UNIT II   6 Hours

Bacterial Bioinoculants- Characteristics and Mass production of Bacterial Bioinoculants - Rhizobium, Azospirillum and Azotobacter.

UNIT III   6 Hours

Fungal Bioinoculants- Characteristics, Types, Mass production and Field applications of Mycorrhizae- vesicular-arbuscular mycorrhiza

UNIT IV   6 Hours

Algal Bioinoculants- Characteristics and Mass production of Blue green algae Spirullina and Azolla.

UNIT V   6 Hours

Liquid Bioinoculants- - Characteristics and Mass production of Jeevamrutha, Panchagavya and Dasagavya.

Text Books:

S.No	Authors Name	Title of the Books	Publishers Name	Year

1.	Krishnendu Acharya, Surjit Sen and Manjula Rai	Biofertilizer and Biopesticide	Techno world	2019
2.	Dr.Reeta Khosla	Biofertilizers and Biocontrol Agents for Organic Farming	Kojo Press	2017
3.	Dr. Hyma	Biofertilizers: Commercial Production Technology and Quality	Random publications	2017
4.	Mahendra K Rai	Hand book microbial biofertilizers	The Haworth press, Inc.	2015
5.	BorkarS.G.	Microbes as Biofertilizers and their Production Technology	Woodhead Publishing India in Agriculture	2015

Reference Books:

S.No	Authors Name	Title of the Books	Publishers Name	Year
1.	Rao B.N S	Biofertilizers in Agriculture and Forestry	Oxford & IBH Publishing House	2019
2.	Sharma R.A.	Biofertilizer Technology	Agrotech Publishing Academy	2019
3.	Ameta O.P and Sharma U.S	Biopesticides for Sustainable Agriculture	Agrotech Publishing Academy	2018
4.	Somani L	Biofertilizers: Commercial Production Technology and Quality control	Agrotech Publishing Academy	2018
5.	Bikas R. Pati and Santi M. Mandal	Recent Trends in Biofertilizers	I K International Publishing House	2016

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY		
Value added course	**Herbal Cosmetics**	**30 Hours**
Course Code: VAMBO5	**Offered to students of all Programmes**	**Date of Introduction: 01.10.2021**

Weblinks:

1. https://agritech.tnau.ac.in/ta/org_farm/orgfarm_biofertilizers.html
2. https://agritech.tnau.ac.in/org_farm/orgfarm_biofertilizertechnology.html
3. http://www.techno-preneur.net/technology/new-technologies/food-agro/vam- fungi.html
4. http://14.139.187.9/ta/org_farm/orgfarm_faq's.html

Pedagogy
    Power Point Presentations, Group Discussion, Seminar, Quiz, Assignment and Brain Storming
    Activity

Course Designer: Dr.S.Jeyabharathi

OBJECTIVES:
  ➢ To enable students to get exposed to processes involved in the manufacturing of herbal cosmetics
  ➢ To understand the preparation of skin and hair care herbal products.

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

CO Number	CO Statement	Knowledge level
CO1	Define the basic knowledge of herbal cosmetics	K1
CO2	Describe the skin care cosmetics production	K2
CO3	Preparation of hair care products	K3
CO4	Illustrate the active components of herbs	K2
CO5	Explain quality control of herbal cosmetics	K2

SYLLABUS

Unit I   **6 Hours**
    Introduction: scope, Classification of herbal cosmetics. Processes used in the manufacture of herbal cosmetics. Importance of herbal Cosmetics.

Unit II   **6 Hours**
    Skin care products: Sources and description of raw materials, methods and preparation of herbal skin care products.

Unit III   6 Hours

Hair care products: Sources and description of raw materials, methods and preparation of herbal hair care products.

Unit IV   6 Hours

General account on active components of following herbal and its products such as Aloe vera, Almond oil, Neem, Henna, Turmeric.

Unit V   6 Hours

General principles of quality control and standardization of herbal cosmetics- shelf testing. Toxicity studies as per Drug and Cosmetics Act. BIS guidelines of herbal cosmetic products and its raw materials.

Text Books:

S.no	Author Name	Title Book	Publisher Name	Year
1.	M. Vimaladevi	Textbook of Herbal Cosmetics	CBS Publisher	2019
2.	EIRI	Handbook of Synthetic & Herbal Cosmetics (How to make Beauty Products)	Engineers India Research Inc.	2015
3.	EIRI	Herbal Cosmetics & Beauty Products with Formulations	Engineers India Research Inc.	2015
4.	H Panda	Herbal Cosmetics Handbook	Asia Pacific Business Press Inc	2015
5.	Shailendra Saraf Swarnlata Saraf	Cosmetics A Practical Manual	Pharma Med Press	2014

Reference Books:

S.no	Author Name	Title Book	Publisher Name	Year
1.	Stephen Barton, Allan Eastham & Amanda Isom	Discovering Cosmetic Science	Royal Society of Chemistry	2020
2.	R.Magazine	Drugs and Cosmetics Formulations	CBS Publisher	2019
3.	Nikita Upadhyay	Roots to Radiance: Wholesome Beauty Solutions for the Millennial Life	Penguin eBury Press	2019
4.	R.K. NEMA	Textbooks of Cosmetics	CBS Publisher	2017
5.	Malanie Sachs	Ayurvedic Beauty Care: Ageless Techniques To Invoke Natural Beauty	Motilal Banarsidass	2014

Web links
1. http://www.bioline.org.br/pdf?pl08083
2. https://personalcarescience.com.au/userfiles/files/Book_sample/Beginner%20book%20V7%20-%20SAMPLE.pdf
3. http://www.phdmsme.in/uploaded_files/project_report/1536151263_616.pdf
4. http://www.ijccts.org/fulltext/17-1569161409.pdf
5. https://innovareacademics.in/journals/index.php/ijap/article/view/27377/16199

Pedagogy

Power point presentations, Group Discussion, Seminar, Quiz, Assignment, Brain Storming activity.

Course Designer: Ms.S.Sathya

DEPARTMENT OF BIOTECHNOLOGY		
VALUE ADDED COURSE	**FOOD ADULTERANTS IN EVERYDAY LIFE**	**HOURS - 30**
COURSE CODE – VABT01P	**OFFERED TO STUDENT OF ALL PROGRAMMES**	**DATE OF INTRODUCTION 04.10.2021**

OBJECTIVES

- ➢ To create awareness among the students about common Food adulterants
- ➢ To protect themselves from harmful adulterants
- ➢ To create interest among students in identifying adulterants in day today life

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO 1	Define the adulteration of common foods	K1
CO 2	Comprehend skills pertaining to detecting food adulterants	K1
CO 3	Demonstration of detecting adulteration in Milk and Milk Products	K2
CO 4	Distinguish fake products from the original products	K4
CO 5	Qualitatively analyze the adulterant present in common food.	K5

VALUE ADDED COURSE
FOOD ADULTERANTS IN EVERYDAY LIFE

30 HOURS

1. Detection of starch and detergent in Milk.
2. Identification of starch in paneer & condensed milk.
3. Identification of vanaspathy or margarine in Ghee.
4. Detection of other oils in Coconut oil.
5. Identification of other oils in Vegetable oil.
6. Identification of sugar solution in Honey and Jaggery.
7. Identification of chalk/white powder in sugar, salt and wheat flour.
8. Detection of iron fillings & exhausted tea in tea leaves.
9. Detection of chicory powder/clay in coffee powder.
10. Identification of colouring agent in green peas, green chilli & vegetables.
11. Detection of foreign resin or earthy matter in asafoetida.
12. Identification of lead chromate in pulses.
13. Detection of adulterant seeds in cumin & mustard seeds.
14. Identification of papaya seeds in black pepper.
15. Detection of lead chromate/artificial colours in turmeric & Red chilli powder.
16. Identification of sawdust/powdered bran in spice powder.
17. Detection of coloured tendrils of maize cob in Saffron.
18. Detection of wax polishing in fruits.
19. Identification of aluminium foil in silver foiled sweets.
20. Identification of washing powder in Ice cream.

REFERENCE BOOKS

S. No.	Author name	Title of the book	Publisher name	Year of publication
1	Charis M. Galanakis	Innovative Food Analysis	Academic Press	2020
2	Alankar Shrivastava	Adulteration Analysis of Some Foods and Drugs	Bentham Science Publishers	2019
3	Rajan Sharma, Y.S. Rajput, Amit K. Barui and Laxmana Naik N.	Detection of Adulterants in Milk – A laboratory manual (Revised Edition	Intech Printers & Publishers, Karnal, India	2017
4	Ramesh Kumar Sharma & Salvatore Parisi	Toxins and Contaminants in Indian Food Products 1st Edition	Springer	2017
5	Shyam Narayan Jha	Rapid Detection of Food Adulterants and Contaminants: Theory and Practice – 1st edition	Academic Press	2015

WEB LINKS

➢ https://vikaspedia.in/health/health-campaigns/beware-of-adulteration/methods-for-detection-of-common-adulterants-in-food

PEDAGOGY

      Power point presentation, Quiz, Assignment, Experience Discussion, Brain storming and Activity.

COURSE DESIGNER

      Ms.P. Ilamathy, Ms.R. Nevetha and Ms.P. Jenifer

DEPARTMENT OF BIOTECHNOLOGY		
VALUE ADDED COURSE	**WATER QUALITY ANALYSIS**	**HOURS - 30**
COURSE CODE - VABT02P	**OFFERED TO SCIENCE STREAMS**	**DATE OF INTRODUCTION 04.10.2021**

OBJECTIVES

➢ To apply basic chemical principles to better understand water quality for drinking water treatment and for wastewater treatment.

➢ To apply basic analytical chemistry principles to understand how to measure common water and wastewater constituents.

➢ To provide employability for students

COURSE OUTCOMES

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

CO Number	CO Statement	Knowledge Level
CO 1	Understand National Primary Drinking Water Regulations.	K1
CO 2	Comprehend knowledge about sources, cause and impacts of water pollutants.	K2
CO 3	Measure the concentration of constituents in quantity for characterization of water for different uses.	K3
CO 4	Experiment water quality criteria and parameters.	K3
CO 5	Evaluate the various parameters essential for potable water.	K4

VALUE ADDED COURSE

WATER QUALITY ANALYSIS

HOURS -30

1. Determination of Total Alkalinity of water

2. Determination of the total hardness of the water sample

3. Determination of pH of waste water

4. Determination of Dissolved oxygen of waste water

5. Determination of Chemical oxygen demand of waste water

6. Determination of Biological oxygen demand of waste water

7. Determination of Acidity of water

8. Determination of salinity of the given water sample

9. Bacteriological Analysis- Estimation of coliforms in the given water sample

10. Determination of Turbidity of various water sample

11. Estimation of the Nitrate level in water sample

12. Estimation of the Chloride level in Water sample

13. Estimation of the Fluoride level in Water sample.

14. Detection of Iron content present in water sample

15. Detection of Manganese content present in water sample

REFERENCE BOOKS

S. No.	Author name	Title of the book	Publisher name	Year of publication
1	A G S. Reddy	A Textbook on Water Chemistry: Sampling, Data Analysis and Interpretation	Rajiv Gandhi National Ground Water Training and Research Institute, Raipur, CG, India	2020
2.	Yuncong Li & Kati Migliaccio	Water Quality Concepts, Sampling, and Analyses	Taylor & Francis Ltd	2019
3	Leo M.L.Nollet, Leen S.P.De Gelder	Handbook of Water Analysis	CRC Press Taylor & Francis Groups	2014

4	Dean, J. R., Jones, A. M., Holmes, D., Reed, R., Weyers, J., &Jones, A	Practical skills in Chemistry	2nd Ed., Prentice Hall, Harlow	2011
5	Chatterje A.K.,	Water Supply, Waste Disposal and Environmental Engineering (8th ed.,)	New Delhi, Khanna Publisher	2010

Web Links
➢ https://www.firestoneco.gov/199/Water-Quality-Reports-Testing
➢ https://www.cdc.gov/healthywater/drinking/public/water_quality.html
➢ http://www.fao.org/3/x5624e/x5624e05.htm

PEDAGOGY
　　　　Power point presentation, Quiz, Assignment, Experience Discussion, Brain storming and Activity.

COURSE DESIGNER
　　　　Dr.R. Rameshwari, Dr.R. Uma Maheswari and Dr.M. Keerthiga

DEPARTMENT OF BIOTECHNOLOGY		
VALUE ADDED COURSE	**BASIC RESEARCH FOR UNDERGRADUATES**	**HOURS - 30**
COURSE CODE – VABT03	**OFFERED TO STUDENTS OF ALL UNDERGRADUATE PROGRAMMES**	**DATE OF INTRODUCTION 04.10.2021**

OBJECTIVES

➢ To familiarize with the basic concepts about the research for undergraduate students.
➢ To make them understand the processes involved in research
➢ To introduce the foundations of research writing and publishing

COURSE OUTCOMES
　　　　Upon successful completion of the course, the students will be able to

CO Number	CO Statement	Knowledge Level
CO 1	Illustrate about research and its classification.	K1
CO 2	Describe about Problem Identification & Formulate research Question, Investigation Question and hypothesis.	K1

CO 3	Infer Literature collection and Literature citation.	K2
CO 4	Summarize thesis Report, Table, Figures, Format of Thesis.	K2
CO 5	Discover the Standard of Research journals – impact factors and citation index.	K3

VALUE ADDED COURSE
BASIC RESEARCH FOR UNDERGRADUATES

30 HOURS

UNIT I

Research – Introduction to research, Types of research: exploratory, descriptive and causal research. Steps involved in research.

UNIT II

Designing a research: Identification of research problem, Research Question and Investigation. Hypothesis - Qualities of a good Hypothesis, Null Hypothesis & Alternative Hypothesis.

UNIT III

Literature survey, citations, Different formats for citing reference and reference tools: Mendeley and End note.

UNIT IV

Dissertation writing - Component of Research report - Objectives, Methodology, Tables, Figures and Interpretation of results.

UNIT V

Publications: Types of articles, Journals – standards and metrics – Research databases. Publication ethics: Plagiarism.

REFERENCE BOOKS

S. No.	Author name	Title of the book	Publisher name	Year of publication
1	C.R. Kothari and Gaurav Garg	Research Methodology: Methods and Techniques	New Age International Publishers	2019
2	Mousami V. Munot, Vinayak Bairagi	Research Methodology: A Practical and Scientific Approach	CRC Press	2019

3	Deepak Chawla Author), Neena Sondhi	Research Methodology: Concepts and Cases: Concepts & Cases	Vikas Publishing House	2016
4	Colin Robson	How to do a Research Project: A Guide for Undergraduate Students	Wiley	2014
5	Anne H. Charity Hudley, Cheryl L. Dickter, Hannah A. Franz	The Indispensable Guide to Undergraduate Research	Teachers College Press	2017

WEBLINKS:
➢ **https://www.mendeley.com/reference-management/reference-manager**
➢ **https://www.intechopen.com/chapters/68505**

PEDAGOGY

Power point presentation, Quiz, Assignment, Experience Discussion, Brain storming and Activity.

COURSE DESIGNER

Dr.S. Abinaya and Dr.G. Gomathi

DEPARTMENT OF FOOD SERVICE MANAGEMENT AND DIETETICS		
VALUE ADDED COURSE	**PRINCIPLES OF INTERIOR DESIGN**	**HOURS-30**
COURSE CODE - VAFS01	OFFERED TO STUDENTS OF ALL THE PROGRAMMES	**DATE OF INTRODUCTION** **01.10.2021**

Objectives
- To understand the art elements and principles of design in interiors.
- To provide solution to create new ideas and innovation.
- To apply the acquired knowledge on selecting appropriate design to decorate the interiors.

Course outcomes

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

CO Number	CO Statement	Knowledge Level
CO1.	Identify the role of good taste in interior design	K1
CO2.	Classify design	K2

CO3.	Explain the elements of design	K2
CO4.	Apply the principles of design to daily life	K3
CO5.	Make use of design concepts in interior decoration	K3

Syllabus

UNIT-I
INTRODUCTION TO INTERIOR DESIGN (6 Hours)
Introduction to art and design, importance of design, objectives of aesthetic planning, role of good taste and good designer.
Related Experience
Record creation related to good taste in interior design.

UNIT II (6 Hours)
TYPES OF DESIGN
Structural and decorative design. Classification of decorative design- naturalistic, stylized, abstract and geometrical design.
Related Experience
Illustrating the different types of design using various structural and decorative design.

UNIT III (6 Hours)
ELEMENTS OF DESIGN
Line, direction, shape, form, size, texture, space and colour.
Related Experience
Discuss the role of elements of design in interior design.

UNIT IV (6 Hours)
PRINCIPLES OF DESIGN
Harmony, balance, proportion, emphasis and rhythm.
Related Experience
Interpret the role of principles of design in interior design.

UNIT-V (6 Hours)
Application of design concept in interior decoration.
Related Experience
Collection and application of elements and principles of design in daily life.

Text book

S.No.	Author name	Year of publication	Title of the book	Publisher s name
1.	G.Raghubalan & Smritee Raghubalan	2015	Hotel Housekeeping: Operations and Management	Oxford University Press India
2.	Andrews Sudhir	2017	Hotel Housekeeping	New York Mc graw Hill Companies
3.	Singh Malini	2012	Hotel Housekeeping	Delhi: Mcgraw Hill Plt

Reference books

S.No.	Author name	Year of publication	Title of the book	Publishers name
1.	Sushma Gupta	1991	Home Management Hygiene and Physiology	Madras: Kalyani Publishers
2.	Varghese, MA	2005	Home Management	Delhi New Age International Limited
3.	Kappa, Margaret M	1997	Housekeeping Management	Michigan: Educational Institute of the American Hotel & Motel Association

Web links
https://tilen.space/what-are-7-principles-of-interior-design-base-of-each-design/

Pedagogy: Lecture, Power point presentation, E-content, Demonstration, Assignment.
Course designers
- Ms. B.Thanuja
- Ms. M.Vinothini
- Ms. T.R.Revathi

DEPARTMENT OF FOOD SERVICE MANAGEMENT AND DIETETICS		
VALUE ADDED COURSE	**DIETARY COUNSELLING – SKILLS AND TECHNIQUES**	**HOURS-30**
COURSE CODE-VAFS02	OFFERED TO STUDENTS OF DEPARTMENT OF FOOD SERVICE MANAGEMENT AND DIETETICS- III UG, I PG & II PG	**DATE OF INTRODUCTION** **01.10.2021**

Objectives

- To gain knowledge on the basic concept of counselling
- To study the different strategies and approaches used in counselling

- To familiarize and acquaint the students with basic principles of behavioural psychology that is essential for counselling

Course outcomes

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

CO Number	CO Statement	Knowledge Level
CO1.	State the need for counselling	K1
CO2.	Build rapport and implement various other Counselling strategies	K2
CO3.	Examine and design the counselling in a systematic way	K2
CO4.	Differentiate various stages of life and interpret and formulate counselling based on their needs	K3
CO5.	Evaluate individuals and group according to the therapeutic protocols	K3

Syllabus

UNIT - I **(6 Hours)**
INTRODUCTION TO COUNSELLING
Definition, goals, ethics, scope, characteristics of counselling, types of counselling.

UNIT - II **(6 Hours)**
TECHNIQUES IN COUNSELLING
Strategies and Communication Skills, Rapport building and opening techniques, questioning, listening, reflecting, acceptance, silence, leading assurance, non - verbal communication.

UNIT - III **(6 Hours)**
PROCESS OF COUNSELLING
Initiating counselling, establishing structure, termination of counselling.

UNIT - IV **(6 Hours)**
COUNSELLING TECHNIQUES FOR DIFFERENT LIFE STAGES
Counselling techniques for preschool children, school going children, adolescents, adult and old age.

UNIT - V **(6 Hours)**
COUNSELLING FOR THERAPEUTIC GROUPS
Counselling during hospitalization, counselling out patients, Nutrition counselling protocols

Textbooks

S.No.	Author name	Year of publication	Title of the book	Publishers name
1.	Srilakshmi B	2014	Dietetics	New Age International Publishers, New Delhi
2.	Krause M, Kathleen. L Mahan and Sylvia Escott Stump	2004	Food Nutrition and Diet Therapy	W.B Saunders Co, Philadelphia

Reference books

S.No.	Author name	Year of Publication	Title of the book	Publishers name
1.	Raheena Begum M	2008	Textbook of Foods, Nutrition and Dietetics	Sterling Publishers Pvt. Ltd., New Delhi
2.	Kathy King and Bridget Klawitter	2007	Nutrition Therapy: Advanced Counseling Skills	Lippincott Williams and Wilkins

Web links

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6780101/
https://www.sciencedirect.com/topics/food-science/diet-counseling

Pedagogy
E-content, Lecture, Powerpoint, Seminars, Assignments, Group discussion
Course Designers
- Ms.B.Thanuja
- Ms.S.Fathima
- Ms. Mithila.K.S
- Ms. C. Nivetha

DEPARTMENT OF FOOD SERVICE MANAGEMENT AND DIETETICS		
VALUE ADDED COURSE	**NUTRITIONAL CARE FOR PREGNANCY**	**HOURS-30**
COURSE CODE – VAFS03	OFFERED TO STUDENTS OF ALL THE PROGRAMMES	**DATE OF INTRODUCTION** **01.10.2021**

- To able to understand the physiological changes during pregnancy.
- To understand the knowledge about the dietary problems during pregnancy.
- To acquire knowledge about nutritional requirement of pregnancy.

Course Outcomes

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

Co Number	CO statement	Knowledge level
CO 1	Identify the nutritional alterations during pre-conception	K1
CO 2	Classify the nutritional deficiencies of the pregnancy	K2
CO 3	Explain complications of pregnancy	K2
CO 4	Illustrate the nutritional requirements of pregnancy	K3
CO 5	Apply dietary principles in menu planning	K3

Syllabus: .

UNIT I (7 hours)
PRE-CONCEPTION AND CONCEPTION
Introduction, nutritional alterations during pre-conception & conception, balanced diet plan during pre-conception.

UNIT II (6 hours)
PHYSIOLOGICAL CHANGES DURING PREGNANCY
Blood volume and composition, cardiovascular function, pulmonary function, gastro intestinal function, renal function, changes in uterus, breast and body fluids, weight gain.

UNIT III (5 hours)
COMPLICATIONS OF PREGNANCY AND THEIR DIETARY IMPLICATIONS
Obesity management, gestational diabetes mellitus, pregnancy induced hypertension, Ectopic pregnancy.

UNIT IV (5 hours)
DIETARY AND DEFICIENCY PROBLEMS DURING PREGNANCY
Nausea, vomiting, constipation, oedema and leg cramps, heart burn, iron deficiency anemia, folic acid deficiency anemia, maternal malnutrition.

UNIT V (7 hours)
NUTRITIONAL REQUIREMENTS AND DIET DURING PREGNANCY
Recommended Dietary Allowances, Macro and micro nutrient requirements – calorie, protein, fat, vitamin – A, D, E, C, B complex, iron, calcium, zinc and folic acid. Foods to be included and avoided.

Text Books

S.No.	Author name	Year of publication	Title of the book	Publishers name
1	Srilakshmi B	2014	Dietetics	New Age International, New Delhi.
2	Gajalakshmi R	2014	Nutrition Science	CBS Publishers Distributors Pvt. Ltd

Reference Books

Reference Books

S.No.	Author name	Year of publication	Title of the book	Publishers name
1	Sari Edelstein	2009	Life cycle nutrition	Jones and Bartlett Publisher
2	Swaminathan M	2012	Handbook of Food and Nutrition	Bangalore Publishing Co Ltd
3	Townsend, Carolynn E	2000	Nutrition and Diet Therapy London:	I.T.P an International Thomson Publishing Company

Web links

- **https://www.moh.gov.sa/en/awarenessplateform/WomensHealth/DuringPregnancy/Documents/Nutrition%20During%20Pregnancy.pdf**
- **https://seasonsmedical.com/pregnancy-nutrition-diet.pdf**

Pedagogy: Lecture, Power point presentation, E-content, Demonstration, Assignment.

Course Designers
- Ms.B.Thanuja
- Ms.S.Agalya
- Ms.E.Agalya

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	SKIN CARE & HYGIENE	Hours- 30
COURSE CODE: VAED01	OFFERED TO STUDENTS OF ALL DEPARTMENTS	DATE OF INTRODUCTION 05.10.2021

Objectives
- ✓ To create an awareness on skin care
- ✓ To generate the hygiene practices of oneself
- ✓ To provide an extensive knowledge in skin anatomy and its importance

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

CO	CO statement	Knowledge
CO1	Explain the anatomical structure of the skin	K2
CO2	State skin care techniques	K3
CO3	Suggest suitable treatments based on their skin disorders	K3
CO4	Describe the public health importance of personal hygiene	K5

SYLLABUS

UNIT I -SKIN THEORY
Skin Structure - Structure of Skin, Layers of Skin, Functions of Skin
Methodology: Power point presentation

UNIT II -BASIC SKIN CARE ROUTINE
Basic Skin Care- Cleansing, Scrubbing, Toning, Moisturising
Methodology: Demonstration and Power point presentation

UNIT III – SKIN CARE DISORDERS AND
Analysis of the Skin Disorders-open pores, acne, pigmentation, cracked heels, under eye dark circles, Symptoms-Causes-Treatment and Prevention
Methodology: Power point presentation

UNIT IV – TREATMENTS AND HOME REMEDIES
Edible skin care recipes- beverages and food control, external application methods and recipes for skin treatments
Methodology: Demonstration and Power point presentation

UNIT V-PERSONAL HYGIENE
Personal care – body image, menstrual hygiene, social practice, health image and motivation
Methodology: Power point presentation

Reference :
THE SKINCARE RULES DOWNLOAD (skinessentialsbymariga.com)
807-beauty-wellness_ClassXII.pdf (cbseacademic.nic.in)
https://pdfroom.com/books/100-organic-skin-care-recipes-make-your-own-fresh-and-fabulous-organic-beauty-products/Y6g

Course Designers
Dr.S.Sowmya, Assistant Professor in Commerce
Dr.R.Subha, Assistant Professor in Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**BRIDAL MAKEOVER - FOUNDATION LEVEL**	**Hours- 30**
COURSE CODE: VAED02	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To enrich the student's knowledge with basics of bridal touch ups
- ➢ To create awareness on the available market products and their usage to customers
- ➢ To gain ideas about blushing, contouring and eye shadow practices

Course outcome

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

CO	CO statement	Knowledge
CO1	To initiate the steps for personal hygiene of customers	K2
CO2	To understand the usage of brushes on skin types of customers	K3
CO3	Importance of various types of make ups as per requirement from customers	K3
CO4	To signify the usage of less toxic cosmetic products	K5

SYLLABUS

List of Experiments to be carried out   **(30 hours)**
1. Awareness on products available and personal hygiene
2. Knowledge on Brush, Skin type and Skin tone
3. Make up knowledge- Contouring, Blusher and Eye shadow application
4. Day makes up
5. Different types of Eye makeup
6. Nude makeup or Corporate make up
7. Party make up
8. Night party make up
9. Festival makeup
10. Engagement make up

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Navneet	2017	ADVANCE MAKE-UP & HAIRSTYLE	Navneet Educations
2	*Morris, Rae*	2018	Makeup: The Ultimate Guide	Antique and collectors book

Pedagogy: Kinesthetic learning, Powerpoint Presentation, Videos, training on shadowing practice

Course Designers :
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**BRIDAL MAKEOVER-ADVANCED LEVEL**	Hours- 30
COURSE CODE: VAED03P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To enrich the students knowledge with application of cosmetics to eye shadow
- ➢ To create awareness on different styles of dresses with make up
- ➢ To gain ideas about blushing, contouring and eye shadow practices

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

CO	CO statement	Knowledge
CO1	To initiate the steps for personal hygiene of customers	K2
CO2	To understand the usage of brushes on skin types of customers	K3
CO3	Importance of various types of make ups as per requirement from customers	K3
CO4	To signify the usage of less toxic cosmetic products	K4

SYLLABUS
List of Experiments to be carried out   **(30 hours)**
1. Theory of make ups and Foundations
2. Foundation application
3. Shadow application
4. Glitter application
5. Kajal and Liner application
6. Lipstick application
7. Practice in Eye makeup
8. Full bridal wears
9. Self makeup
10. Practice in Saree dupatta draping

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Navneet	2017	ADVANCE MAKE-UP & HAIRSTYLE	Navneet Educations

2	Morris, Rae	2018	Makeup: The Ultimate Guide	Antique and collectors book

Pedagogy: Kinesthetic learning, Powerpoint Presentation, Videos, training on shadowing practice.

Course Designers :
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**HAIR STYLING – FOUNDATION LEVEL**	**Hours- 30**
COURSE CODE: VAED04P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- To make students practice with the different hair styles
- To create awareness on the hair styles available in the market
- To understand the different style of hair cut

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

CO	CO statement	Knowledge
CO1	Examine the cutting style for the required customer	K2
CO2	Updation of cutting styles regularly	K3
CO3	Importance of various types of hair styles as per requirement from customers	K3
CO4	To signify the usage of less toxic colors to the hair	K5

SYLLABUS

List of Experiments to be carried out   **(30 hours)**
1. Understanding Hair textures
2. Hair Consultation
3. Product knowledge
4. Hair drying Practice
5. Hair sectioning
6. Welcro setting

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Abhy smith	2019	The Ultimate Hairstyle Handbook: With Over 40 Step-by-step	Imusti publishers
2	Steph	2017	The Ultimate Hairstyle Handbook: Everyday Hairstyles	Thistookmoney

Pedagogy: Kinesthetic learning, PowerPoint Presentation, Videos, training on shadowing practice,

Course Designers:
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**HAIR STYLING ADVANCED LEVEL**	**Hours- 30**
COURSE CODE: VAED05P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
  ➢ To make students practice with the different hair styles
  ➢ To create awareness on the hair styles available in the market
  ➢ To understand the different style of hair cuts

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

CO	CO statement	Knowledge
CO1	Examine the cutting style for the required customer	K2
CO2	Update the cutting styles regularly	K3
CO3	Importance of various types of hair styles as per requirement from customers	K3
CO4	To signify the usage of bridal ware to customer	K5

SYLLABUS

List of Experiments to be carried out   **(30 hours)**
  1. Incurls and Out curls
  2. Straightening
  3. Curls with Ironing and tings
  4. Bridal buns
  5. Hot rollers setting

6. Applying hair extensions
7. Vintage buns
8. Different types of Braiding

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Abhy smith	2019	The Ultimate Hairstyle Handbook: With Over 40 Step-by-step	Imusti publishers
2	Steph	2017	The Ultimate Hairstyle Handbook: Everyday Hairstyles	Thistookmoney

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in baking skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.
Course Designers:
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**TAILORING BASIC LEVEL**	**Hours- 30**
COURSE CODE: VAED06P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
  ➢ To create interest among the students in practicing basic tailoring skills
  ➢ To provide entrepreneurial support in imparting stitching skills
  ➢ To Master the use of sewing machine and take care of the machine.
Course outcome
On the successful completion of the course, students will be able to

CO	CO statement	Knowledge
CO1	Practice the basic skills required in tailoring	K2
CO2	Learn and apply the measurement skills using tape	K3
CO3	Learn and apply hand stitching skills	K3
CO4	Demonstrate fitting of sewing machine components	K4

SYLLABUS
List of Practices to be carried out   **(30 hours)**

1. Practice in using Scissors, pencil, inch tape, scale
2. Practice in taking measurements using tape - Sequencing of measurement.
3. Hand stitches- Hemming visible and invisible
4. Hand stitches-running stitch
5. Hand stitches-hook stitch
6. Hand stitches-button stitch & Eye stitch
7. Hand stitches- Button hole & Practice stitching a handkerchief
8. Hand stitches-Stitching of mask
9. Introduction to Sewing Machine- Operating machine
10. Introduction to Sewing Machine- Removing parts & practice in refixing
11. Adjusting the parts for proper functioning & Practice in cleaning and oiling

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Denier Franz	2016	A Complete Handbook of Tailoring and Shop Management on the Sectional	Paper back books
2	Alison smith	2021	The Dressmaking Book: Over 80 Techniques	Cloud Tail India

Web Links:
cutting & tailoring-azmat-1-117.p65 (usha.com)
Pedagogy: Kinesthetic learning, Videos, training on design practice, Demonstration, Hands on training with sewing machines
Course Designers:
1. Dr.S.Sowmya, Assistant Professor, Department of Commerce
2. Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**TAILORING-BLOUSE STITCHING**	**Hours- 30**
COURSE CODE: VAED07P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
➢ To create interest among the students in practicing blouse stitching skills
➢ To promote self employability competencies through blouse stitching skills
Course outcome
On the successful completion of the course, students will be able to

CO	CO statement	Knowledge
CO1	Practice the blouse stitching skills	K2
CO2	Learn and apply the hand stitching skills to stitch a blouse	K3
CO3	Learn and apply machine stitching skills	K3

SYLLABUS
List of Practices to be carried out   **(30 hours)**
1. Sequencing the blouse fabric cuts
2. Practice Hand stitching- Seam stitching
3. Practice Hand stitching- Drafts & Tucks
4. Practice Hand stitching- Pleats
5. Practice Hand stitching -Buttons Hole
6. Practice Hand stitching- Buttons Hooks
7. Practice Hand stitching- double cloth stitching
8. Machine stitching practices

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Denier Franz	2016	A Complete Handbook of Tailoring and Shop Management on the Sectional	Paper back books
2	Alison smith	2021	The Dressmaking Book: Over 80 Techniques	Cloud Tail India

Pedagogy: Kinesthetic learning, Videos, training on design practice, Demonstrations, Hands on training with sewing machines and hand stitches.
Course Designers:
3. Dr.S.Sowmya, Assistant Professor, Department of Commerce
4. Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**ZARDHOSI DESIGNING LEVEL I**	**Hours- 30**
COURSE CODE: VAED08	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES

- ➢ To gain knowledge on basics of stitching
- ➢ To impart the various stitching patterns with knots.
- ➢ To enrich the work done for customer satisfaction

Course outcome

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

CO	CO statement	Knowledge
CO1	To learn about the importance of stitching in cumulative patterns	K2
CO2	To create awareness on various types of designs	K3
CO3	Design making with various types of knots	K3
CO4	Impendent of beads, zardoshi and silk thread on design	K5

SYLLABUS

UNIT I Basics of Aria Design (6 Hrs)

Fix Aria iron stand –fix cloth in Aari frame-Arai basic chain stitch-Different shape using chain stitch-knot in Arai-stone chain stitch-bead work-Zig zag stitch

UNIT II Zig zag stitches (6 Hrs)

Zig zag stitch-Load stitch-Buttonhole stitch-Double Button hole stitch-Leaf stitch I-Leaf stitch –II, Long and short stitch-wheat stitch, Back stitch and cross stitch.

UNIT III Bose stistches and its applications (6 Hrs)

Bose stitch-Fish stitch-Stripped button stitch-Y stiutch-Fern Stitch-Water fillingt stitch-Feather stitch-Heering bone stitch

UNIT IV French Knots (6 Hrs)

French Knot-Longfrench Knot- Ring Knot-Arrow Stitch-Load Filling Stitch In Flower-Sevron Stitch-Butterfly Stitch 1 And 2

UNIT V Pattern stitch (6 Hrs)

Pattern stitch-Thamboor stitch-measure sleeve fro aari-measure back and front neck-mark measurement in blouse for aria work

TEXTBOOKS

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Charan Sita gupta	1996	Zardoshi-Glittering Gold Embryoidery	Abhinav Publications
2	Carter Houk	2018	White work: techniques and 188 Designs	Trans infoprenuer

Pedagogy: Lecture, Powerpoint Presentation, Videos, OHP Presentation,

Course Designers

5. Dr.S.Sowmya, Assistant Professor, Department of Commerce
6. Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE
ENTREPRENEURSHIP DEVELOPMENT CELL

VALUE ADDED COURSE	MEHANDI- TRADITIONAL	Hours- 30
COURSE CODE: VAED09P	OFFERED TO STUDENTS OF ALL DEPARTMENTS	DATE OF INTRODUCTION 05.10.2021

OBJECTIVES
➢ To create awareness on the usage of fresh mehandi leaves for designing
➢ To update the market available products regularly for practice
➢ To minimize the usage of toxic chemicals for healthy life

Course outcome

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

CO	CO statement	Knowledge
CO1	Proper time management for completion of the design	K2
CO2	Preparation of mehandi powder with less chemicals	K3
CO3	Knowledge to avoid the usage of expired products for personal care	K3
CO4	Enrichment of various designs as per customer satisfaction	K4

SYLLABUS
List of Practices to be carried out   **(30 hours)**

1. Preparation of Fresh Leaves
2. Drying process for Powder form
3. How to Use a Mehandi Cone For Perfect Application
4. How to Make Mehendi Cone Darker
5. **Indian Mehandi Designs**
6. Arabic Mehandi Designs - Types of Mehendi Designs

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Vinita Kalyani	2016	Mehandi: The Creativity	Paper back books
2	Henna shah	2019	Mehnadi design Textbook	Antique & Collectors book

Pedagogy: Kinesthetic learning, Videos, training on design practice,
Course Designers:
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

<u>**VALUE ADDED COURSE**</u>

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**MEHANDI – MODERN ART**	**Hours- 30**
COURSE CODE: VAED10P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To create awareness on various types of mehandi for designing
- ➢ To update the market available products regularly for practice
- ➢ To minimize the usage of toxic chemicals for healthy life

Course outcome

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

CO	CO statement	Knowledge
CO1	Proper time management for completion of the design	K2
CO2	Imparting and selection of design as per customer requirement	K3
CO3	Knowledge to avoid the usage of expired products for personal care	K3
CO4	Enrichment of various designs as per customer satisfaction	K4

<u>**SYLLABUS**</u>

List of Practices to be carried out   **(30 hours)**

1.Indo- Arabic Mehandi Designs

2.Pakistan Mehndi Design

3.Western Mehandi Designs - Types of Mehandi Designs

4.Indo Western Mehndi Design

5.Moroccan Mehndi Designs

6.Full bridal mehandi

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Vinita Kalyani	2016	Mehandi: The Creativity	Paper back books
2	Henna shah	2019	Mehnadi design Textbook	Antique & Collectors book

Pedagogy: Kinesthetic learning, Videos, training on design practice.

Course Designers:

1.Dr.R. Subha, Assistant Professor, Department of Chemistry

2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

VALUE ADDED COURSE	ENTREPRENEURSHIP DEVELOPMENT CELL	
VALUE ADDED COURSE	**BAKING SKILLS - BREAD MAKING - I**	**Hours- 30**
COURSE CODE: VAED11	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
> ➢ To enhance the knowledge on basic baking practices
> ➢ To promote extensive knowledge in bread making practices

Course outcome

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

CO	CO statement	Knowledge
CO1	Learn the basic terms, process with different flours	K2
CO2	Identify the methods of handling the baking oven	K3
CO3	Identify the usage of raw materials in bread making	K3

SYLLABUS   (30 hours)

Unit I Introduction to basics

Introduction to baking skills- scope of bakery and confectionary, Bakery Terms, Organisation chart of bakery, Measurement basics in baking

Unit II Wheat and Flour

Different types of flours, Constituents of flour, PH value of flour, Water absorption power, Impact of Gluten, Grades of flour.

Unit III Basics of Yeast

elementary knowledge of yeast, fermentation role of the yeast, Effects of over and under fermentation, underproofing of dough and other fermented goods.

Unit IV Raw material for Bread making

Role of water, flour, yeast and salt, sugar, milk and fats, Bread improvers - improving physical quality

Unit V Oven and Baking

Knowledge of various types of oven, impact of different baking temperatures for breads and confectionaries

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	*Bretherton, Caroline*	2015	Step-By-Step Baking	Buttaba Books
2	Cauvain Stanley	2018	Baking Technology and Nutrition	Paper books

Weblinks

013524014X.pdf(Pearsonhighered.com)

01 Bakery student Manual-Cover page(CBSEACADEMIC. Nic in)

Baking 3.pdf(lcmrschooldistrict.com)
Pedagogy
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in baking skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.
Course Designers :
      Dr.S.Sowmya, Assistant Professor, Department of Commerce
      Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**BAKING SKILLS - BREAD MAKING - II**	**Hours- 30**
COURSE CODE: VAED12P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
> ➢ To enhance the knowledge on basic baking practices
> ➢ To make students equip with bread making skills
> ➢ To promote quality products through entrepreneurial skills

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

CO	CO statement	Knowledge
CO1	Practice the basic terms, process with different flours	K2
CO2	Learn the methods of handling the baking oven	K3
CO3	Regular practice on usage of raw materials	K4
CO4	Apply the practice to make different types of bread	K5

SYLLABUS

List of experiments to be carried out
1. Identification and uses of baking equipments
2. Scaling of measurements
3. Application of required materials
4. Mixing methods
5. Kneading strokes
6. 6.Fermentation process
7. Different modes of temperature settings
8. Bread making recipes- Milk bread
9. Bread making recipes- Salt bread
10. Bread making recipes- masala bread
11. Bread making recipes- Wheat bread
12. Bread making recipes- burger buns
13. Bread making recipes- pizza base

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name

1	*Bretherton, Caroline*	2015	Step-By-Step Baking	Buttaba Books
2	Cauvain Stanley	2018	Baking Technology and Nutrition	Paper books

Web Links:
013524014X.pdf (pearsonhighered.com)
01 Bakery Student Manual - Cover Page (cbseacademic.nic.in)
baking3.pdf (lcmrschooldistrict.com)

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in baking skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.

Course Designers:

Dr.S.Sowmya, Assistant Professor, Department of Commerce

Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**CAKE DECORATION SKILL - I**	**Hours- 30**
COURSE CODE: VAED13	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
  ➢ To enhance the knowledge on basic cake decorating skills
  ➢ To make students equip with icing methods and practices
  ➢ To promote quality products through entrepreneurial skills

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

CO	CO statement	Knowledge
CO1	Practice the basic terms, process with different methods of icing	K2
CO2	Learn the methods of handling the decorating accessories	K3
CO3	Regular practice on usage of raw materials	K4

SYLLABUS

List of experiments to be carried out
Unit I: Essentials of cake decoration
        6Hrs
Introduction, Kinds of decorinting accessories, Types of nozzles, Icing Consistency, Correct Bag Position, 90 degree angle, 45 degree angle and clock position, Pressure Control techniques
Unit II: Icing consistency
        6Hrs

Thin consistency, Thick Consistency, medium consistency
Unit III: Nozzle design techniques
        6Hrs
Kinds of decorating techniques with types of nozzles

Unit IV: Icing Bag preparation
        6Hrs
Methods of making a piping bag, Assembling and Techniques in bag filling, types of piping bags

Unit V: Types of Icing Techniques
        6Hrs
Icing types- buttercream, royal, fondant, whipped cream, methods of preparation, application of decorating techniques

Reference Books
013524014X.pdf (pearsonhighered.com)
01 Bakery Student Manual - Cover Page (cbseacademic.nic.in)
baking3.pdf (lcmrschooldistrict.com)
https://www.decora.it/cataloghiflash/Brochure-Decora-2017-Decorazioni-al-Cornetto-Piping-Deco/Brochure-Decora-2017-Piping-Dec
Microsoft Word - ChristianJolene_CakeDecoratingBasics.doc (uen.org)
Beginners Class in Cake Making and Decoration - NAOSAM Delightful Cakes and Events

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in baking skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.
Course Designers:
Dr.S.Sowmya, Assistant Professor, Department of Commerce
Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**BRIDAL FLOWER MAKING**	**Hours- 30**
COURSE CODE: VAED14P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
> ➢ To enhance the knowledge on basic flower decorations kills
> ➢ To make students equip with creative skills

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

CO	CO statement	Knowledge
CO1	Practice the basic terms, process with different methods of flower designing	K2
CO2	Learn the methods of handling the decorating accessories	K3
CO3	Regular practice on usage of raw materials	K4

SYLLABUS

List of experiments to be carried out
1. **Identification of color combinations**
2. **Methods of flower patterns-Natural flowers**
3. **Methods of flower patterns-Artificial flowers**

4. **Methods of mixing different types of flower combinations**
5. **Combination of Natural flowers with artificial flowers**
6. **Simple decorative methods with paper flowers**
7. **Simple bridal decorations with Natural and Artificial flowers**

Reference Books
013524014X.pdf (pearsonhighered.com)
01 Bakery Student Manual - Cover Page (cbseacademic.nic.in)
baking3.pdf (lcmrschooldistrict.com)
https://www.decora.it/cataloghiflash/Brochure-Decora-2017-Decorazioni-al-Cornetto-Piping-Deco/Brochure-Decora-2017-Piping-Dec
Microsoft Word - ChristianJolene_CakeDecoratingBasics.doc (uen.org)
Beginners Class in Cake Making and Decoration - NAOSAM Delightful Cakes and Events

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in baking skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.
Course Designers:
Dr.S.Sowmya, Assistant Professor, Department of Commerce
Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**CAKE DECORATION SKILL - II**	**Hours- 30**
COURSE CODE: VAED15P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
➢ To enhance the knowledge on basic cake decorating skills
➢ To make students equip with icing methods and practices
➢ To promote quality products through entrepreneurial skills

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

CO	CO statement	Knowledge
CO1	Practice the basic terms, process with different methods of icing	K2
CO2	Learn the methods of handling the decorating accessories	K3
CO3	Apply the techniques and create designs	K4

SYLLABUS
List of experiments to be carried out (30Hrs)

- Identification of decorating accessories
- Preparation of different types of icing:
  - Butter cream
  - Whipped cream

- - Royal icing
    - Icing syrup
- Levelling of the cake
- Frosting and combining
- Bag positioning
- Pressure control
- Icing Techniques
    - Star design
    - Rosette
    - Zig- Zag using star tip
    - Leaf design
    - Writing skill
    - Decorating a cup cake

Reference Books

013524014X.pdf (pearsonhighered.com)
01 Bakery Student Manual - Cover Page (cbseacademic.nic.in)
baking3.pdf (lcmrschooldistrict.com)
https://www.decora.it/cataloghiflash/Brochure-Decora-2017-Decorazioni-al-Cornetto-Piping-Deco/Brochure-Decora-2017-Piping-Dec
Microsoft Word - ChristianJolene_CakeDecoratingBasics.doc (uen.org)
Beginners Class in Cake Making and Decoration - NAOSAM Delightful Cakes and Events

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in cake decorating skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.
Course Designers:

Dr.S.Sowmya, Assistant Professor, Department of Commerce
Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**PASTRY SKILL SETS**	**Hours- 30**
COURSE CODE: VAED16P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
➢ To enhance the knowledge on basic pastry dough making
➢ To make students equip with pastry making skills
➢ To promote quality products through entrepreneurial skills

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

CO	CO statement	Knowledge
CO1	Practice the	K2
CO2	Learn the methods of handling the baking oven	K3

CO3	Regular practice on usage of raw materials	K4
CO4	Apply the practice to make different types of pastries-savouries/confectionaries	K5

SYLLABUS

List of experiments to be carried out   **30Hrs**

1. Basic Pastry Dough making
2. Basic Pie Dough
3. Preparing Pies and Tarts
4. Lining a Pie Plate or Tart Mold
5. Fillings for Pies and Tarts
6. Topping Pies and Tarts
7. Baking Pies and Tarts
8. Roll-in Doughs
9. Puff Pastry - Rolling, Folding and Shaping the Finished Dough, Fillings for Pastries

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	***Bretherton, Caroline***	2015	Step-By-Step Baking	Buttaba Books
2	Cauvain Stanley	2018	Baking Technology and Nutrition	Paper books

Web Links:

013524014X.pdf (pearsonhighered.com)
01 Bakery Student Manual - Cover Page (cbseacademic.nic.in)
baking3.pdf (lcmrschooldistrict.com)

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in pastry baking skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.
Course Designers:
Dr.S.Sowmya, Assistant Professor, Department of Commerce
Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**SELF GROOMING**	**Hours- 30**
COURSE CODE: VAED17P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

Objectives
- ✓ Personal grooming is important in today's era as it makes one feel more confident in his corporate, day-to-day, and traditional approach.

- ✓ The certificate course in Self grooming is designed to hone the skills needed to understand and appreciate the appropriate style of self-presentation.
- ✓ This program is aimed to train the students to practice self-grooming skills and develop their personality

Course outcome

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

CO	CO statement	Knowledge
CO1	Identify personality traits	K2
CO2	Explore their individual styles whilst understanding the importance of making a flawless first impression on any occasion.	K3
CO3	Perform self-defensive skill techniques	K3
CO4	Will gain improved self-confidence which is an essential life skill for future success.	K5

SYLLABUS

List of experiments to be carried out

1. Self-evaluation with self-image projection worksheet
2. Confidence check
3. Body language evaluation
4. Introspection
5. Image - Personal projection
6. Routine body fitness practices
7. Basic yoga practices
8. Standing and sitting postures
9. Fitness of mind – Mind fitness physical exercises

10. Corporate Look

11. Self-Hair styling

12. Self-Cleanup.

13. Self-Waxing

14. Self-Manicure and Pedicure.
15. Self-defence - Hammer strike, Groin kick, Heel palm strike, Elbow strike, Alternative elbow strikes, escape from a 'bear hug attack Safety precautionary tips.

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Seema Gupta	2014	A Woman's Guide To Personality Development: An Effective Self-Grooming Guide for Woman	V&S Publishers; Latest Revised Edition (1 January 2014)
2	Hudson Kathleen	1977	Every Woman's Guide To Self Defence	Coins

Pedagogy:

Power point, worksheets/ role play, Confidence check – role play, Body language evaluation -role play

Reference:
87 Self-Reflection Questions for Introspection [+Exercises] (positivepsychology.com)
8 Self-Defense Moves Every Woman Should Practice (healthline.com)

Course Designers:
Dr.S.Sowmya, Assistant Professor, Department of Commerce
Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**SILK THREAD JEWELLERY**	**Hours- 30**
COURSE CODE: VAED18P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To create awareness on production of silk thread products
- ➢ To impart creativity on jewellery items

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

CO	CO statement	Knowledge
CO1	Learning of Silk thread leads to entrepreneurial skills	K2
CO2	Updation of products available in the market	K3
CO3	Implantation of creative designs develops entrepreneurial competencies	K3

SYLLABUS

List of Practices to be carried out (30 hours)
1.Materila Handling
2.Rapping Techniques
3. Designing Techniques
4. Assembly Process
5. Maintenance of Jewellery
6. Marketing Tips
7. Client Handling techniques
8. Customization

Reference web links

https://www.youtube.com/watch?v=SBJ1-F1GY_8
https://www.youtube.com/watch?v=_QfsfbCWkk4
https://www.youtube.com/watch?v=8UWPW-f43OA

Pedagogy: Kinesthetic learning, Videos, training on design practice,
Course Designers :

1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

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VALUE ADDED COURSE
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ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**PEDICURE**	**Hours- 30**
COURSE CODE: VAED19P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To create awareness on the cleanliness of your nails for healthy life
- ➢ To impart the knowledge on the available method for clean up
- ➢ To minimize the pains caused for adults from comfortable walk

Course outcome

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

CO	CO statement	Knowledge
CO1	Personal care of the nail for cleaning should be maintained	K2
CO2	Updation of products available in the market	K3
CO3	Knowledge to avoid the usage of expired products for personal care	K3
CO4	To minimize the usage of toxic chemicals for health care	K4

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SYLLABUS
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List of Practices to be carried out   **(30 hours)**

1.Arrangement of Materials

2.Prepare Toes and remove any existing nail polish from nails.

3.Soak and find a relaxing place to work

4.Rubbing process to dry your feet with that big plush bath towel.

5.Exfoliate the work

6.Rinsing process with water

7.Painting of Piggies

8.Completion of the work

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Elaine Almond	2018	**Manicure, Pedicure And Advanced Nail Techniques**	Shiny Owl books

2	Milady	2019	**Milady's Art And Science Of Nail Technology**	Antique & Collectors book

Pedagogy: Kinesthetic learning, Videos, training on design practice,
Course Designers :
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

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VALUE ADDED COURSE

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ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**MANICURE**	**Hours- 30**
COURSE CODE: VAED20P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To create awareness on the cleanliness of your nails for healthy life
- ➢ To impart the knowledge on the available method for clean up
- ➢ To enhance various styles of nail growth for designing process

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

CO	**CO statement**	**Knowledge**
CO1	Personal care of the nail for cleaning should be maintained	K2
CO2	Updation of products available in the market	K3
CO3	Knowledge to avoid the usage of expired products for personal care	K3
CO4	To minimize the usage of toxic chemicals for health care	K4

SYLLABUS
List of Practices to be carried out   **(30 hours)**
1. Clean your nails with polish remover.
2.Clip, file, and buff.
3.Push back your cuticles.
4.Exfoliate your hands.
5.Moisturize your hands and cuticles.
6.Apply a base coat.
7.Apply your first coat of color.

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name

1	Elaine Almond	2018	Manicure, Pedicure And Advanced Nail Techniques	Shiny Owl books
2	Milady	2019	Milady's Art And Science Of Nail Technology	Antique & Collectors book

Pedagogy: Kinesthetic learning, Videos, training on design practice,
Course Designers:
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

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VALUE ADDED COURSE

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ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**NAIL ART**	**Hours- 30**
COURSE CODE: VAED21P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
  ➢ To gain knowledge on the methods of removing the design from nails
  ➢ To create awareness on the types of designed nail art available in the market
  ➢ To impart the knowledge on refilling of nails

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

CO	CO statement	Knowledge
CO1	Personal care of the nail for designing should be maintained	K2
CO2	Updation of refilling and removal techniques of nail art regularly	K3
CO3	Importance of various designs of nail art as per requirement from customers	K3
CO4	To maintain less toxic chemicals for designing as well as personal care	K4

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SYLLABUS

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List of Experiments to be carried out   **(30 hours)**
1.Basic knowledge of nails
2. Shape of Nails
3. Product knowledge
4. Pre and Post care
5. Gel extension
6. Acrylic extension
7. Gel applications
8. Chrome nail art
9.Glitter art

10. Stamping Art Foil effect
11. Sticker art
12. Refilling knowledge
13. Removal techniques

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Catherine Rodgers	2017	DIY Nail Art: Easy, Step-by-Step Instructions for 75 Creative Nail Art Designs	Paper back books
2	Larit Levy	2014	Spectacular Nail Art: A Step-by-Step Guide to 35 Gorgeous Designs	Self help books

Pedagogy: Kinesthetic learning, Powerpoint Presentation, Videos, training on design practice,
Course Designers :
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**TAILORING-CUTTING SKILL**	**Hours- 30**
COURSE CODE: VAED22P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
  ➢ To create interest among the students in practicing fabric cutting skills
  ➢ To promote self employability competencies through fabric cutting skills

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

CO	CO statement	Knowledge
CO1	Practice the basic paper patterns, designing and cutting	K2
CO2	Learn and apply the cutting skills in different patterns	K3
CO3	Learn and apply blouse cutting skills	K3

SYLLABUS
List of Practices to be carried out   **(30 hours)**
1.Paper drawing
2. Marking with different measurement
3. Drafting, paper pattern making
4. Practice cutting with paper
5. Cutting the cloth as per marking,leaving margin for inlays and turnings.
6. Cutting of Pillow cover

7. Blouse cutting- Back
8. Blouse cutting- Hand
9. Blouse cutting- Front
10. Blouse cutting- Dart point
11. Blouse cutting- Patti

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Denier Franz	2016	A Complete Handbook of Tailoring and Shop Management on the Sectional	Paper back books
2	Alison smith	2021	The Dressmaking Book: Over 80 Techniques	Cloud Tail India

Pedagogy: Kinesthetic learning, Videos, training on design practice, Demonstration and Hands on training

Course Designers :
      Dr.S.Sowmya, Assistant Professor, Department of Commerce
      Dr.R.Subha, Assistant Professor, Department of Chemistry

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VALUE ADDED COURSE

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ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**INDIAN SNACK MAKING**	**Hours- 30**
COURSE CODE: VAED23P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
➢   To enhance the knowledge on basic Indian snack making skills
➢   To make students equip with Indian snack recipes
➢   To promote quality products through entrepreneurial skills

Course outcome

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

CO	CO statement	Knowledge
CO1	Enrichment with knowledge and techniques in Indian snack making skill	K2
CO2	To gain knowledge in usage of traditional snack recipes of different regions	K3
CO4	Examine and innovate healthy Indian snacks	K3

CO5	Apply the concepts and prepare the snack recipes	K4

List of experiments to be carried out
1. Innovative practices in snack making
2. Healthy snack recipes – millet savouries and sweets
3. Festival influence on Indian snacks
4. Snack recipes of western India
5. Snack recipes of Eastern India
6. Snack recipes of Northern India
7. Snack recipes of Southern India
8. Packaged food processing system
9. Convenient food

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	*Dr. Himadri. Panda*	2013	The complete technology book on snack foods	NIIR project consultancy services
2	Kumar Sonali	2010	he Ultimate Guide to Preparing Snacks the Indian Way	Independently Published

Web Links
Traditional Snack and Savoury Maker PH, PG, TG and FG - Course (ficsi.in)
Snacks Recipes By Master Chef Sanjeev Kapoo (sanjeevkapoor.com)
Super Indian Snack and Street food recipes [PDF] (pdfroom.com)

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in snack making skills, Discussion with professional experts
Visual Learning: Demonstration, Displays, online / offline Industrial visit.

Course Designers:
7. Dr.S.Sowmya, Assistant Professor, Department of Commerce
8. Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**KITCHEN SKILLS**	**Hours- 30**
COURSE CODE: VAED24P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
This program is aimed to train the students to practice their culinary skills and become more comfortable and proficient using the knife and also develop entrepreneurial competencies in culinary skills.

Course outcome

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

CO	CO statement	Knowledge
CO1	Understand how to manage the kitchen environment	K2
CO2	Learn how to select a knife and knife set	K3
CO3	Become comfortable in cutting with a chef's knife with proper safety measures	K3
CO4	Confidently execute a number of different types of cuts	K4

SYLLABUS

List of experiments to be carried out (30 Hrs)

Dining Table setting
Identification of basics knife types
Sharpening of knife
Knife cuts:
- Chiffonade
- Mince, Slice
- Supreme, Dice
- Rondelle, Diagonal
- Oblique
- Paysanne, Batonnet,
- Julienne, Brunoise

Basics in napkin folding
French pleat, The Bowtie Napkin Fold
The Standing Fan
The Pinwheel Napkin
The Heart Napkin Fold
The Single Pocket Fold
Rose fold, The Napkin Pouch

References:
Catering Science & Food Safety, Sumitra Deshmukh & Dr. Asmita Thakur
Food Hygiene& Sanitation, Rodey S, Tata Mcgraw Hill
Food Hygiene for Food, Trickett, Jill, Macmillion Handlers
Napkin Folding – James Ginders (Harmony Books)
The Practical Guide to Napkins & Napkin Folding – Rick Beech – Hermes House
Basic Knife Skills PDF (sunriseproduce.com)
Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in knife skills and napkin folds
Visual Learning: Demonstration, Displays.
Course Designers
1.Dr.R. Subha
2. Dr.S.Sowmya

ENTREPRENEURSHIP DEVELOPMENT CELL

VALUE ADDED COURSE	HERBAL SANITARY NAPKIN	Hours- 30
COURSE CODE: VAED25P	OFFERED TO STUDENTS OF ALL DEPARTMENTS	DATE OF INTRODUCTION 05.10.2021

OBJECTIVES
- ➢ To minimize the sanitary waste generated in society
- ➢ To create awareness on ecofriendly sanitary napkins

Course outcome

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

CO	CO statement	Knowledge
CO1	To resolve the solid waste management problem	K2
CO2	To make reusable sanitary napkins	K3
CO3	Demonstration of making of napkins using sufficient raw material	K3
CO4	After proper validation, market survey of the products for commercial purpose	K4

SYLLABUS

List of experiments to be carried out

1. Preparation of Raw materials for Napkin Making
2. Assembly of sewing machine for cutting and Stitching
3. Making of outer body of the napkin
4. Cutting of wings in the flannel for napkin
5. Mixing of raw materials in appropriate proportion
6. Layer by Layer filling of raw material in cotton
7. Stitching of napkin and Proper Packing process

References

Training_manual_SNE.pdf (sujal-swachhsangraha.gov.in)

Pedagogy: Visual learning, Powerpoint Presentation, Videos, OHP Presentation, Seminar, Group Discussion, training on product formation, Assignment and Quiz.

Course Designers :

1.Dr.R.Subha, Assistant Professor, Department of Chemistry

2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	DIY CRAFTS	Hours- 30
COURSE CODE: VAED26P	OFFERED TO STUDENTS OF ALL DEPARTMENTS	DATE OF INTRODUCTION 05.10.2021

OBJECTIVES
➢   To make crafts by reusing or recycling items that may have affected the environment
➢   To make effective decisions by facing and solving artistic challenges
➢   To promote quality products through entrepreneurial skills

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

CO	CO statement	Knowledge
CO1	Understanding the benefits of true technology by making crafts	K2
CO2	It improves their coordination and fine motor skills	K3
CO3	Makes the students more creative and productive	K4
CO4	Inspiration of entrepreneurial critical thinking skills	K4

SYLLABUS

List of experiments to be carried out   **(30Hrs)**
   1. Wealth out of waste
   2. Creative inputs
   3. Craft cutting
   4. Observational Invention and outputs
   5. Incorporating Innovation
   6. Formation of Art
   7. Balancing forms

Web Links:
https://youtu.be/rvab5GEoSPM
https://youtu.be/g1-NkPg-vMg
https://youtu.be/LAyUTHTBDxw
https://youtu.be/IxZL5fEZOEs
https://youtu.be/NjuDsQbu8DM

Pedagogy:
Auditory learning: Videos, E contents, Lecture, PowerPoint Presentation, Group Discussion
Kinesthetic learning: Hands on training in DIY Crafts, Discussion with professional experts
Visual Learning: Demonstration, Displays.
Course Designers:
Dr.S.Sowmya, Assistant Professor, Department of Commerce
Dr.R.Subha, Assistant Professor, Department of Chemistry

VALUE ADDED COURSE	ENTREPRENEURSHIP DEVELOPMENT CELL	
VALUE ADDED COURSE	ZARDHOSI DESIGNING LEVEL II	Hours- 30
COURSE CODE: VAED27P	OFFERED TO STUDENTS OF ALL DEPARTMENTS	DATE OF INTRODUCTION 05.10.2021

OBJECTIVES
- ➢ To gain knowledge on various types of aria work
- ➢ To impart the basic learnt in aria work applications
- ➢ To enrich the work done for customer satisfaction

Course outcome

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

CO	CO statement	Knowledge
CO1	To learn about the importance of stitching with silk thread and beads	K2
CO2	To create awareness on various types of designs	K3
CO3	Design making with various types of knots	K3
CO4	Impendent of beads, zardoshi and silk thread on design	K5

SYLLABUS
1. How to cut zardhoshi
2. How to stitch zardhoshi for beginners
3. 3.How to stitch Laisy daisy with zardhoshi
4. How to embossed load stitch with silk thread, Bead zardhosi
5. How to make knot with normal needle in aari work (zardhosi and beads stitching with normal needle)
6. How to stitch French knot, ring knot, long French knot using zardhosi
7. How to make embossing or padding
8. How to stitch filling with beads, zardhosi, French knot
9. How to fill peacock feathers using three types of stitches-
10. Embassement of load stitch for U neck and PA neck
11. Embossment of load stitch with double colour thread, double line zardhosi and double line beads
12. Kundan Stone work –Outline with zari, thread and zardhosi
13. How to do cut work and patch work
14. Design making using mirror and coin
15. How to do mat filling using silk thread and zardhosi

TEXTBOOKS

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Charan Sita gupta	1996	Zardoshi-Glittering Gold Embryoidery	Abhinav Publications
2	Carter Houk	2018	White work: techniques and 188 Designs	Trans infopreneur

'**Pedagogy:** Virtual learning, Lecture, PowerPoint Presentation, Videos, Demonstration
Course Designers
     Dr.R.Subha,   Assistant Professor, Department of Chemistry
     Dr.S.Sowmya, Assistant Professor, Department of Commerce

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VALUE ADDED COURSE

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ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**ARDUINO CODING BASICS**	**Hours- 30**
COURSE CODE: VAED28	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
This program focuses on importance of IOT and AI in day-to-day life style changes and knowledge sharing of Arduino resolves in technology growth.
Course outcome
On the successful completion of the course, students will be able to

CO	CO statement	Knowledge
CO1	Enrichment with new innovations in IOT applications	K2
CO2	To gain knowledge in usage of LED, Buzzer and RGP-LED	K3
CO3	Generation of Ideas related to IOT and AI	K3
CO4	Examine and validate the ideas for startup ecosystem	K4

SYLLABUS
UNIT I Light Emitting Diode   **(6 Hrs)**
     Definition, need for LED in the market, Types of LED, Methods of preparations and its applications

UNIT II Buzzer   **(6 Hrs)**
     Definition, scope for Buzzer in the market, classification of Buzzers, development process and its applications

UNIT III RGP LED   **(6 Hrs)**
     Importance of RGP LED, definition, types and methods, colour development process and its applications.
UNIT IV IR Sensor   **(6 Hrs)**
     IR radiatiosn, Range of IR, pricniple and its working, applications in sensor areas
UNIT V Transmitter and modulation   **(6 Hrs)**
     Transmitter and its types, methods, significance in IOT and AI, modulation of all assembled system in coding pattern

TEXTBOOKS

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name

1	James Arthur	2019	Arduino: Complete guide for Begineers	Repro Books
2	Cummings Johny	2019	Arduino for Beginners	Paper book

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Masssimo Banzi	2014	Making Getting started with Arduino	Shroff Publishers
2	Amit Kermar Mishra et al	2021	Ardunio Fundmanetals and its applications	BFC publishers

Pedagogy: Visual learning, Powerpoint Presentation, Videos, OHP Presentation, Seminar, Group Discussion, training on product formation, Assignment and Quiz.

Course Designers :
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**PICKLE MAKING**	**Hours- 30**
COURSE CODE: VAED29P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
- ➢ To create awareness among the students the methodology involved in pickle making
- ➢ To validate the prepared pickles by standard methods
- ➢ To gain knowledge on storage and packing of the product.

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

CO	CO statement	Knowledge
CO1	To prepare and maintain work area and process machineries for pickle making,	K2
CO2	To execute the preparation for pickle making	K3
CO3	Complete documentation and record keeping related to pickle making	K3
CO4	To analyze and apply food safety and hygiene standards related to pickle making.	K5

SYLLABUS

List of Experiments to be carried out   **(30 hours)**

1. Preparation of general raw materials
2. Preparation of Mango pickle
3. Production of Mixed vegetable pickle (sweet)
4. Processing of Lime Pickle and Anola Pickle
5. Estimation of Oil content in pickle
6. Preparation of Jack fruit Pickle
7. Production of Avocado Pickle
8. Preparation of Tint and Lasora pickle
9. Production of Traditional Pickles –Garlic and Tomato
10. Preparation of Adamant creeper Pickle
11. Production of Goose berry pickle
12. Preparation of Citron pickle

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Trace elements	2018	Handmade pickles &preservatives	Pavillion books
2	Usha R Prabhakaran	1998	Usha's Pickle digest-the perfect pickle receipe book	Peeble Green Publications

Pedagogy: Kinesthetic learning, Powerpoint Presentation, Videos, OHP Presentation, Seminar, Group Discussion, training on product formation, Assignment and Quiz.

Course Designers :
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

VALUE ADDED COURSE

ENTREPRENEURSHIP DEVELOPMENT CELL		
VALUE ADDED COURSE	**JAM MAKING**	**Hours- 30**
COURSE CODE: VAED30P	**OFFERED TO STUDENTS OF ALL DEPARTMENTS**	**DATE OF INTRODUCTION 05.10.2021**

OBJECTIVES
 ➢ To create awareness among the students the methodology involved in jam making
 ➢ To validate the prepared jams by standard methods
 ➢ To gain knowledge on storage and packing of the product.

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

CO	CO statement	Knowledge
CO1	To prepare and maintain work area and process machineries for jam making,	K2
CO2	To execute the preparation for jam making	K3

CO3	Complete documentation and record keeping related to jam making	K3
CO4	To analyze and apply food safety and hygiene standards related to jam making.	K5

SYLLABUS
List of Experiments to be carried out (30 hours)
1. Preparation of general raw materials
2. Preparation of sugar syrup with consistent level
3. Preparation of Mixed fruit jam
4. Production of mango jam
5. Preparation of apple jam
6. Production of lemon jam
7. Preparation of Pineapple jam
8. Production of Orange and Ginger jam
9. Preparation of carrot jam

Reference Books

S.NO	Author Name	Year of Publication	Title of the book	Publishers Name
1	Jennifer Merrill	2016	Homemade Jam cook book: A Great selection of Delicious Homemade jams recipes	Grub Street publishers
2	Hilanine Walden	2017	Sensational Preserves: 250 recipes for making and using preserves	Leura Books

Pedagogy: Kinesthetic learning, PowerPoint Presentation, Videos, OHP Presentation, Seminar, Group Discussion, training on product formation, Assignment and Quiz.

Course Designers:
1.Dr.R.Subha, Assistant Professor, Department of Chemistry
2. Dr.S.Sowmya, Assistant Professor, Department of Commerce

Cauvery College for Women (Autonomous), Tiruchirappalli – 620018		
Value Added Course	**Introduction to Job oriented Competitive Examinations**	**40 Hours**
Course Code : VAPS01	**Offered to students of all Programmes**	**Course Introduction date 09.10.2021**

Objectives :
➢ To create awareness and enthusiasm about Job oriented Competitive Examinations
➢ To give insights of Job oriented Competitive Examinations
➢ To provide the basic knowledge of necessary Pre- Examination preparations
➢ To acquire the knowledge of collecting Current Affairs

Course Outcomes :

On the successful completion of this course, students will able to:

CO No.	CO Statement	Knowledge Level
CO1	Understand the basics of Job oriented Competitive Examinations	K1
CO2	Explain the syllabus structure of Job oriented Competitive Examinations	K2
CO3	Classify various types of Job oriented Competitive Examinations	K3
CO4	Apply the guidelines to collect the current affairs	K3

Unit I :   **(6 Hours)**

Competitive Examinations - Importance - Types - Job oriented   Competitive Examinations - levels

Staff Selection Commission - History - Functions - Examinations   - CGL - CHSL - GD - CPO - MTS - Stenographer - FCI - Eligibity - Syllabus Orientation - Question Paper Pattern

Unit II :   **(6 Hours)**

Union Public Service Commission - History - Functions - Examinations - Eligibility

Civil Service Examinations - Syllabus orientation - Preliminary Examination - Main Examination - Interview - Guidelines to choose Optional Subject - Question Paper Pattern

Unit III :   **(6 Hours)**

Railway Recruitment Board - Functions - Examinations - NTPC - Group D - Eligibility - Syllabus Orientation - Question Paper Pattern

ISRO Examination - Defence Examinations - Postal Examinations - Court Recruitment - TNEB Recruitment - Eligibility - Syllabus Orientation - Question Paper Pattern

Unit IV :   **(6 Hours)**

Bank Requirement Exams - IBPS Exams - SBI Exams - NABARD Exam - RBI Exams - Private Bank Exams - Eligibility - Syllabus Orientation - Question Paper Pattern

Life Insurance Companies Exams - Eligibility - Syllabus Orientation - Question Paper Pattern

Unit V :   **(10 Hours)**

Structure of Tamilnadu Public Service Commission - History - Functions - Group Examinations - Eligibility - Syllabus orientation - Question Paper Pattern

Unit VI :   **(6 Hours)**

Guidelines to collect Current Affairs - Daily Submission of Current Affairs

Books for Reference :

S.No	Author	Book	Publisher	Year
1	Nishant Jain IAS	All about UPSC Civil Services Exam	Prabhat Prakashan Publications, NewDelhi	Jan 2017
2	M.S.Narayan	How to prepare UPSC Examination	Notion Press, Chennai.	July 2020

Reference Links :

https://ssc.nic.in/

https://upsc.gov.in/

http://www.rrbcdg.gov.in/
https://www.isro.gov.in/careers
http://defenceexam.com/
https://www.indiapost.gov.in/VAS/Pages/Content/Recruitments.aspx?Category=Recruitment
https://www.tangedco.gov.in/
https://ibps.in/
https://sbi.co.in/web/careers
https://www.nabard.org/careers-notices1.aspx?cid=693&id=26
https://www.rbi.org.in/
https://licindia.in/Bottom-Links/careers
https://www.tnpsc.gov.in/
https://www.mhc.tn.gov.in/recruitment/login
 https://www.thehindu.com/
https://indianexpress.com/
https://timesofindia.indiatimes.com/
https://www.readersdigest.in/

Pedagogy

Lecture, Power Point Presentation, Group Discussion, Seminar, Quiz, Assignment

Course Designer

Dr.M.Asiathara, Assistant Professor, Department of Tamil.

VALUE ADDED COURSE
NCC FOR YOUTH
2021-2022 Onwards

COURSE CODE : VANC01	NCC FOR YOUTH	HOURS:30

COURSE OBJECTIVE

To enable the learners to understand the training curriculum of the NCC is primarily focused on character building, inculcating leadership qualities and skill enhancement through structured academic syllabi.

COURSE OUTCOME

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

CO. NO	CO STATEMENT	KNOWLEDGE LEVEL
CO1	Understand the history of NCC, its organisation, the concept of national integration and its importance.	K1
CO2	Acquire the awareness about the basic concepts of health science.	K2
CO3	Recall the concepts of History, Geography and Topography of Border/ Coastal areas.	K3
CO4	Explain the life history and leadership qualities of personalities who have contributed in Nation Building.	K4

NCC SYLLABUS

UNIT I - NCC GENERAL   **(6 Hours)**

Introduction to NCC - Motto, Cardinal Principles, History, Aims & Objectives of NCC, Organization of NCC, Equivalent ranks, NCC camps & Types, Advantages of NCC.

UNIT II - NATIONAL INTEGRATION   (6 Hours)

Introduction - Motto, Definition, Importance & Necessity, Factors affecting National Integration, Role of NCC in Nation Building**.**

UNIT III - HEALTH AND HYGIENE   (6 Hours)
Introduction of Health and Hygiene, First aid - Motto, Definition, Principles, First aid kids, Common Medical Emergencies - Fractures, Bruises,Burn, Scald, Dislocation, Sprain, Strain, Wound, Asphyxia, Artificial respiration, Hemorrhage.

UNIT IV – MAP READING, FIELD CRAFT & BATTLE CRAFT   (6 Hours)
MR :Introduction - Definition, Uses of Map, Types, Conventional Signs, Cardinal points & Kinds of North, Grid System.
FC/BC : Introduction - Definition &Principles, Camouflage, Concealment, Judging Distance, Types of Ground & Target.

UNIT V – ARMED FORCES, MILITARY HISTORY AND DRILL   (6 Hours)
ARMED FORCES: Introduction -Branches - Elaboration of Army, Navy & Air force.
MILITARY HISTORY: Introduction, Aim, War & Types, Brief on INDO - PAK Conflict in 1965, INDO - PAK War in 1971 & Kargil War**.**
DRILL: Drill - Aims of Drill, Types of Command, National Salute & General Salute.

STUDY MATERIAL
Textbooks
    a. Cadet Hand Book (Common Subjects), published by DGNCC.
    b. Cadet Hand Book (special Subjects), published by DGNCC.
    c. ANO Precis.
REFERENCE BOOKS
    a. Gromming tomorrow's Leaders, published by DGNCC.
    b. Youth in Action, published by DGNCC.
    c. The Cadet, Annual Journal of the NCC.
    d. Precis Issued by respective Service Headquarters on specialized
        subject available to PI staff as reference material.
PEDAGOGY
    Power point presentations, Quiz, Assignment, Experience Discussion, Brain storming and activity.

COURSE DESIGNER
    Captain.Dr.P.Kavitha– Associate NCC Officer.