HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

Class	Subject
II M.Sc	Nutritional Biochemistry
I M.Sc	Advanced Food Science and Chemistry

Prepared by:Mrs.C.Sathyalakshmi

C Sathya

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY.
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

CLASS	SUBJECT
II M.Sc	FOOD PROCESSING AND PRESERVATION
I M.Sc	BIO CHEMICAL TECHNIQUES

Prepared by: Mrs.Karolin.A

Approved by:

Karolin A

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

Rukku

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

Class	Subject
IM.Sc	Clinical Dietetics -I
II M.Sc	Community Nutrition
II B.Sc	Non-Major Diet Therapy-I

13/8/22

Prepared by: Dr.S.M.D.Mathuravalli

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

Class	Subject
III B.Sc	Nutrition Through Lifecycle
II B.Sc	Food Microbiology and Safety
I B.Sc	Community Nutrition Practical

Prepared by:Mrs.A.Marithangam

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

Class	Subject
III B.Sc	Food Microbiology
II B.Sc	Family Resource Management-I
I B.Sc	Food Science
II B.Com	Non-Major Diet Therapy-I

Prepared by: Mrs.K.Rosy

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

Class	Subject
III B.Sc	Food Service Management
II B.Sc	Food Processing and Preservation
I B.Sc	Human Physiology
I B.Sc	Professional English

Prepared by: Ms.S.Sulochana

S. Sulochana

Approved by: Kavitha A

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

THOOTHUKUDI

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

ODD SEMESTER 2022-2023

Class	Subject
II B.Sc	Essentials of Macronutrients
III B.Sc	Food Chemistry
III B.Sc	Personality Development

Ajitha.G

Prepared by: Ms.Ajitha.G

Approved by: Karalin.A

Head of the Department
Department of Food Science & Nutrition
Holy Cross Homescience College
Thoothukudi

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Re-accredited with 'B' Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

DEPARTMENT OF FASHION DESIGNING & APPAREL MAKING

COURSE PLAN (ODD SEMESTER)

2022-23

CLASS : I FD SUBJECT : FUNDAMENTALS OF APPAREL CONSTRUCTION –I

Total: 30 Hrs

LIST OF EXPERIMENTS

1. Definiton Of Apparel Designing-Seams And Plackets Seam –Definition And Types – Plackets- Definition And Type - Fasteners.
2. Bias- Use Of Bias,Cutting And Joining Bias Strip,Bias Facing And Fitted Facing
3. Designing Of Collars –Types Of Collar- Peterpan Collar,Partial Roll Peter Pan Collar, Cape Collar, Puritan Collar,Scalloped Collar, Sailor Collar, Square Collar, Chinease Collar, Full Shirt Collar, Turtle Neck Collar And Shawl Collar.
4. Fullness- Definition And Types –Darts –Single And Double Pointed Darts, Tucks – Pin Tucks Cross Tucks And Scalloped Tucks

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Seams And Plackets	Marry Mathews/02	1 Hours	1 Hours
2	Plackets	Marry Mathews	2 Hours	3 Hours
3	Type -Fasteners	Marry Mathews/02	2 Hours	5 Hours
4	Use Of Bias	Marry Mathews	2 Hours	7 Hours
5	Cutting And Joning Bias Strip	Marry Mathews/03	1 Hours	8 Hours
6	Bias Facing And Fitted Facing	Marry Mathews	2 Hours	10 Hours
7	Types Of Collar-Peterpan Collar,Partial	Marry Mathews/O1	2Hrs	12 Hrs
8	Roll Peter Pan Collar	Marry Mathews	2Hrs	14 Hrs
9	Cape Collar, Puritan Collar Turtle Neck Collar	Marry Mathews/02	2 Hrs	16 Hrs

	Drawing,Rowing,&Spinning.			
UNIT-IV	Weaves- Weaving mechanism, parts of a loom and basic process,Basic weaves – Plain ,Twill, satin &my weave- Pile, Double Cloth,Leno,Swivel,Dobby&Jacquard.			

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Weaving mechanism, parts of a loom	TB1,OL	3 Hours	3 Hours
2	basic process,Basic weaves – Plain ,Twill, satin	TB1,OL	3 Hours	6 Hours
3	Fancy weave- Pile, Double Cloth,Leno	TB1,OL	2 Hours	8 Hours
4	Swivel,Dobby&Jacquard.	TB1,OL	1 Hours	9 Hours

UNIT-V	Non-wovens -Felting, Lamination, Netting, Braiding and calico, Tatting and crocheting

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Non-wovens -Felting, Lamination	TB1,OL	3 Hours	3 Hours
2	Netting, Braiding and calico	TB1,OL	2 Hours	5 Hours
3	Tatting and crocheting	TB1,OL	4 Hours	9 Hours

CLASS : I FD SUBJECT : FUNDAMENTALS OF APPAREL CONSTRUCTION –I

Total: 30 Hrs

LIST OF EXPERIMENTS

1. Definiton Of Apparel Designing-Seams And Plackets Seam –Definition And Types – Plackets- Definition And Type - Fasteners.
2. Bias- Use Of Bias,Cutting And Joining Bias Strip,Bias Facing And Fitted Facing
3. Designing Of Collars –Types Of Collar- Peterpan Collar,Partial Roll Peter Pan Collar, Cape Collar, Puritan Collar,Scalloped Collar, Sailor Collar, Square Collar, Chinease Collar, Full Shirt Collar, Turtle Neck Collar And Shawl Collar.
4. Fullness- Definition And Types –Darts –Single And Double Pointed Darts, Tucks – Pin Tucks Cross Tucks And Scalloped Tucks

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Seams And Plackets	Marry Mathews/02	1 Hours	1 Hours
2	Plackets	Marry Mathews	2 Hours	3 Hours
3	Type -Fasteners	Marry Mathews/02	2 Hours	5 Hours
4	Use Of Bias	Marry Mathews	2 Hours	7 Hours
5	Cutting And Joning Bias Strip	Marry Mathews/03	1 Hours	8 Hours
6	Bias Facing And Fitted Facing	Marry Mathews	2 Hours	10 Hours
7	Types Of Collar-Peterpan Collar,Partial	Marry Mathews/O1	2Hrs	12 Hrs
8	Roll Peter Pan Collar	Marry Mathews	2Hrs	14 Hrs
9	Cape Collar, Puritan Collar Turtle Neck Collar	Marry Mathews/02	2 Hrs	16 Hrs

10	Scallopped Collar, Sailor Collar And Shawl Collar	Marry Mathews	2 Hrs	18 Hrs
11	Square Collar, Chinease Collar, Full Shirt Collar.	Marry Mathews/01	2 Hrs	20Hrs
12	Single and Double Pointed Darts	Marry Mathews	2 Hrs	22 Hrs
13	Tucks – Pin Tucks Cross Tucks	Marry Mathews/03	4 Hrs	26 Hrs
14	Scalloped Tucks	Marry Mathews	4Hrs	30Hrs

Class: I B.Sc **Subject: Fundamentals of Apparel Construction-II**

Total: 30 Hrs

Topic No	Topic Name	No. of Reference/ Textbook/ Online	Duration	Cumulative Period
1.	Tucks – Pin Tucks Cross Tucks	Marry Mathews/01	1 Hours	1 Hours
2.	Scalloped Tucks	Marry Mathews/03	2 Hours	3 Hours
3.	Knife –Box.	Marry Mathews	2 Hours	5 Hours
4.	Inverted and Pinch Pleats	Marry Mathews/03	2 Hours	7 Hours
5.	Godets,	Marry Mathews	1 Hours	8 Hours
6.	Gathers and Shirring	Marry Mathews/02	2 Hours	10 Hours
7.	Bishop, Circular and Mutton – O – Leg sleeve	Zarnpkar system of cutting	21Hrs	12 Hrs
8.	Construct Sleeveless styles	Mary Mathews	2Hrs	14 Hrs
9.	Construct Bodies and Sleeves with Kimono and Raglan sleeves	Zarnpkar system of cutting	2 Hrs	16 Hrs
10.	Simple yoke Construction	Zarnpkar system of cutting	2 Hrs	18 Hrs
11.	Partial yoke and Midriff yoke construction	Mary Mathews	2 Hrs	20Hrs

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FASHION DESIGNNG & APPAREL MAKING

COURSE PLAN

ODD SEMESTER (2022-2023)

Class :II B.Sc **Subject :Basic Illustration**

Total : 60 Hours

Unit I Line and line drawings- object drawing and perspective view drawing ,enlarging and reducing motifs Learning the usage of various drawing and sketching mediums- pencils, ink, charcoal, brushes, crayons, water colors and poster colors

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Line and drawing-object drawing and perspective view drawing	RB1,RB2/OL	3	3
2	Enlarging and reducing motifs	RB1,RB2/OL	4	7
3	Learning different sketching mediums pencils, ink charcoal	RB1,RB2/OL	5	12
4	Learning different sketching mediums brushes, crayons	RB1,RB2/OL	3	15
5	Water colors and poster colors	RB1,RB2/OL	4	19

Unit II Drawing a stick figure for both normal and fashion figure. Forming a fleshy figure over a stick figure.

S.No	Topic	No.of reference/ Textbook/Online	Duration (Hrs)	Cumulative period (Hrs)
1	Drawing a stick figure for both normal and fashion figure	RB1,RB2/OL	5	5
2	Forming a fleshy figure over a stick figure	RB1,RB2/OL	4	9

Unit III Dividing the figure into various parts using lines like plumb line, center front line, prices line, waist line, side seam, armhole, jewel neckline, party line, bust line etc., practicing the art of creating textures.

S.No	Topic	No.of reference/ Textbook/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Dividing the figure into various parts using lines plumb line, center front line prices line	RB1,RB2/OL	4	4
2	Dividing the figure into various parts lines waist line, side seam, arm hole	RB1,RB2/OL	3	7
3	Dividing the figure into various parts lines jewel neck line, party line, bust line	RB1,RB2/OL	3	10
4	Practicing the art of creating texture	RB1,RB2/OL	3	13

Unit IV Illustrating pattern details- pockets, sleeves, yokes, skirts, trousers, tops, etc., illustrating different types of ornaments and accessories

S.No	Topic	No.of reference/ Textbook/ Online	Duration (Hrs)	Cumulative periods (Hrs)
1	Illustrating pattern details pockets, sleeves yokes	RB1/OL	4	4
2	Pattern details skirts, trousers, tops	RB1/OL	3	7
3	Illustrating different types of ornaments and accessories	RB1/OL	3	10

Unit V Illustrating details of ruffles, cowls, shirring, smocking, quilting, draping, gathers, pleats, frills and flounces. Basic concepts and types of silhouette

S.No	Topic	NO.of reference/ Text book/ Online	Duration (Hrs)	Cumulative periods (Hrs)
1	Illustrative details of ruffles, cowls, shirring	RB1/OL	2	2
2	Illustrative smocking, quilting, draping, gather	RB1/OL	3	5
3	Illustrating pleats, frills	RB1/OL	2	7
4	Basic concepts and types of silhouette	RB1/OL	2	9

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Colour – definition characters of colour	TB1	2 Hours	2 Hours
2	theory, colour schemes, colour psychology,	TB1	1 Hours	3 Hours
3	visual and physical effect of colour, colour& texture,	TB1	2 Hours	5 Hours
4	colour marketing systemsvalue & color	TB1	1 Hours	6 Hours

UNIT – IV Design and Principles of design, Definition, types of design – structural and decorative design, characteristics of a good design, elements of design, principles of design – Definition – Harmony – Proportion – Scale, balance – Rhythm – Emphasis - and its application in dresses.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Design and Principles of design,	TB1	1 Hours	1 Hours
2	Definition, types of design – structural and decorative design,	TB1	1 Hours	2 Hours
3	characteristics of a good design, elements of design	TB1	1 Hours	3 Hours
4	principles of design – Definition – Harmony – Proportion – Scale, balance	TB1	1 Hours	4 Hours
5	– Rhythm – Emphasis - and its application in dresses.	TB1	2 Hours	6 Hours

UNIT – V Components of fashion – Silhouette, Texture, colour, Acceptance change, environment of fashion – Economic factors, sociological factors, Physical factors Psychological factors. Movement of fashion – cycling of fashion, Stages of fashion cycle.

UNIT – I Fashion – Style – Fad Definition – Sources of Fashion – Terms related to Fashion Industry – Boutique, Collection, Classic Chic Fashion Show, Fashion Trends and High Fashion.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Fashion – Style – Fad Definition	TB,1,OL	1Hours	1Hours
2	Sources of Fashion	TB,1,OL	2 Hours	3 Hours
3	Terms related to Fashion Industry – Boutique, Collection,	TB,1,OL	1 Hours	4 Hours
4	Classic Chic Fashion Show, Fashion Trends and High Fashion	TB,1,OL	2 Hours	6 Hours

UNIT – II Role of designer – Researching the market. Design process, sample production. Sources of design inspiration. Types of designer – High fashion designer, Moderate designer, Stylist and free – lance designer.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Role of designer	TB 1	1 Hours	1 Hours
2	Researching the market. Design process, sample production	TB 1	1 Hours	2 Hours
3	. Sources of design inspiration.	TB 1	2 Hours	4 Hours
4	Types of designer – High fashion designer, Moderate designer, Stylist and free – lance designer.	TB 1	2 Hours	6 Hours

UNIT – III Colour – definition characters of colour, theory, colour schemes, colour

	Definition			
2	Types Of Floor Covering – Hard, Soft And Resilient Floor Coverings	TB 1	2 Hours	4 Hours
3	Uses And Care And Maintenance Of Floor Coverings	TB 1	3 Hours	7 Hours
4	Wall Covering – Definition, Uses, Care And Maintenance Of Wall Coverings.	TB 1	5 Hours	12 Hours

UNIT – III: Doors and Windows: Door and window treatments – definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies – swags. Accessories – rods hook, rails, racks, curtain tape pins.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Door And Window Treatments – Definition	TB 1	2Hours	2 Hours
2	Parts Of Doors And Windows, Curtains And Draperies	TB 1	4 Hours	6 Hours
3	Definition And Materials Used For Curtains And Draperies	TB 1	2 Hours	8 Hours
4	Swags, Accessories – Rods Hooks, Rails, Racks, Curtain Tape Pins.	TB 1	4 Hours	12 Hours

UNIT – IV: Living room furnishing: Soft furnishings for living and bedlinen. Introduction to living and bedroom linens. types – sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blanket, blankets covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Soft Furnishings For Living And Bedlinen	TB1	2 Hours	2 Hours
2	Introduction To Living And Bedroom Linens. Types – Sofa, Sofa Covers	TB1	2 Hours	4 Hours
3	Wall Hangings.	TB 1	2 Hours	6 Hours

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Components of fashion	TB1	1 Hours	1 Hours
2	– Silhouette, Texture, colour, Acceptance change	TB1	2 Hours	3 Hours
3	Environment of fashion – Economic factors, sociological factors,	TB1	1 Hours	4 Hours
4	Physical factors Psychological factors. Movement of fashion	TB1	1 Hours	5 Hours
5	Cycling of fashion, Stages of fashion cycle	TB1	1 Hours	6 Hours

CLASS : III FD **SUBJECT : HOME TEXTILES**

UNIT – I: Different types of furnishing materials: Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Introduction To Home Textiles, Definition	TB 1	2 Hours	2 Hours
2	Types Of Home Textiles	TB 1	4 Hours	6 Hours
3	Factors Influencing Selection Of Home Textiles	TB 1	3 Hours	9 Hours
4	Recent Trends In Home Textiles	TB 1	4 Hours	13 Hours

UNIT – II: Floor coverings: Floor and wall coverings – definition, types of floor covering – hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering – definition, uses, care and maintenance of wall coverings.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Floor And Wall Coverings –	TB 1	2 Hours	2 Hours

CLASS : I FD **SUBJECT : FIBRE TO FABRIC**

UNIT-I Introduction to the field of textiles – classification of Fibres- natural and chemical – primary and secondary characteristics of textile fibre

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Introduction to the field of textiles	TB 1	2 Hours	2 Hours
2	classification of Fibres- natural and chemical	TB 1	4 Hours	6 Hours
3	primary and secondary characteristics of textile fibre	TB1 /OL	3 Hours	9 Hours

UNIT-II Manufacturing process, properties and uses of natural fibres –cotton ,jute ,linen,pineapple,hemp,Hair fibres-silk &wool,Man –made fibres -Viscose rayon,Acetate rayon,Nylon,polyester,&Acrylic

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Manufacturing process, properties and uses of natural fibres –cotton ,jute	TB1 /OL	2 Hours	2 Hours
2	linen,pineapple,hemp,Hair fibres-silk &wool	TB1 /OL	2 Hours	4 Hours
3	Man –made fibres –Viscose rayon, Acetate rayon	TB1 /OL	4 Hours	8 Hours
4	Acetate rayon,Nylon,polyester,&Acrylic	TB1 /OL	1 Hours	91 Hours

Unit-III Spinning-Definition, classification –chemical& Mechanical spinning-Blending,opening, cleaning, Doubling, carding, combing, Drawing,Roving,&Spinning.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Spinning-Definition ,classification –chemical& Mechanical spinning-	TB1 /OL	2 Hours	2 Hours
2	Blending,Blending,opening, cleaning, Doubling	TB1	3 Hours	5 Hours
3	carding, combing.	TB1 /OL	4 Hours	9 Hours

	Cushion, Cushion Covers, Upholsteries			
4	Bolster And Bolster Covers, Bed Sheets, Covers, Blankets, Blankets Covers	TB 1	2 Hours	8 Hours
5	Comfort And Comfort Covers, Bed Spreads, Mattress	TB 1	2 Hours	10 Hours
6	Mattress Covers, Pillow And Pillow Covers, Pads, Uses And Care.	TB 1	2 Hours	12 Hours

UNIT – V: Kitchen and Table Linens: Soft furnishings for kitchen and dining , types of kitchen linens-kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders – their uses and care. Types of dining –table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels – uses and care.Bathroom linens – types, uses and care

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Soft Furnishings For Kitchen And Dining , Types Of Kitchen Linens	TB 1	2 Hours	2 Hours
2	Kitchen Towel, Aprons, Dish Cloth, Fridge, Grinder And Mixie Covers	TB 1	2 Hours	4 Hours
3	Mittens, Fridge Holders – Their Uses And Care.	TB 1	3 Hours	7 Hours
4	Types Of Dining – Table Mat, Dish/Pot Holders, Cutlery Holder, Fruit Baskets, Hand Towels	TB 1 Hours	2 Hours	9 Hours
5	Usesandcare.Bathroom Linens – Types, Uses And Care	TB 1 Hours	2 Hours	11 Hours

	Cushion, Cushion Covers, Upholsteries			
4	Bolster And Bolster Covers, Bed Sheets, Covers, Blankets, Blankets Covers	TB 1	2 Hours	8 Hours
5	Comfort And Comfort Covers, Bed Spreads, Mattress	TB 1	2 Hours	10 Hours
6	Mattress Covers, Pillow And Pillow Covers, Pads, Uses And Care.	TB 1	2 Hours	12 Hours

UNIT – V: Kitchen and Table Linens: Soft furnishings for kitchen and dining , types of kitchen linens-kitchen towel, aprons, dish cloth, fridge, grinder and mixie covers, mittens, fridge holders – their uses and care. Types of dining –table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels – uses and care.Bathroom linens – types, uses and care

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Soft Furnishings For Kitchen And Dining , Types Of Kitchen Linens	TB 1	2 Hours	2 Hours
2	Kitchen Towel, Aprons, Dish Cloth, Fridge, Grinder And Mixie Covers	TB 1	2 Hours	4 Hours
3	Mittens, Fridge Holders – Their Uses And Care.	TB 1	3 Hours	7 Hours
4	Types Of Dining – Table Mat, Dish/Pot Holders, Cutlery Holder, Fruit Baskets, Hand Towels	TB 1 Hours	2 Hours	9 Hours
5	Usesandcare.Bathroom Linens – Types, Uses And Care	TB 1 Hours	2 Hours	11 Hours

12.	Patch pockets construction	Zarapkar system of cutting	2 Hrs	22 Hrs
13.	Set-in pockets construction	Mary Mathews	4 Hrs	26 Hrs
14.	Pocket set into seam construction	Zarapkar system of cutting	4Hrs	30Hrs

PREPARED BY

(J.Hilda Yernest)

APPROVED BY

(Dr.S.M.D.Mathuravalli)

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

FASHION DESIGNING

UNIT: I

Terms related to the fashion industry:, Fashion, style, fad, classic, collection, chic, custom made, mannequin, fashion show, trend, forecasting, high fashion, fashion cycle, haute couture, culture, couturier, fashion director, fashion editor, line, knock-off avant-garde, bridge, buying house, fashion merchandising, pre-a-porter, sample.

S.No	Topic	No. of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Terms related to the fashion industry- Fashion, style, fad, classic, collection, chic, custom made	RB 1	3	3
2	Mannequin, fashion show, trend, forecasting, high fashion, fashion cycle	OL 1	3	6
3	Haute couture, culture, couturier, fashion director, fashion editor, line	OL 2	3	9
4	Knock-off avant-garde, bridge, buying house	RB1,OL2	2	11
5	Fashion merchandising, pre-a-porter, sample	TB 1	2	13

UNIT: II

Design: Design- Definition and types – structural and decorative design. Elements of design – line, shape or form, color, size and texture. Application of structural and decorative designs in a dress. Selection and application of trimmings and decorations. Fashion accessories- shoes, handbags, hats, ties – different types/shapes. Principles of design- balance- formal and informal, rhythm- through repetition, radiation and gradation, emphasis, harmony and proportion. Applications of principles of design in a dress.

S.No	Topic	No. of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Design- Definition and types – structural and decorative design.	TB1.RB1	2	2
2	Elements of design – line, shape or form, color, size and texture	RB2,OL	3	5
3	Application of structural and decorative designs in a dress. Selection and application	TB1,OL	3	8

	of trimmings and decorations			
4	Fashion accessories- shoes, handbags, hats, ties – different types/shapes. Principles of design- balance- formal and informal	RB2	2	10
5	Rhythm- through repetition, radiation and graduation, emphasis, harmony and proportion. Applications of principles of design in a dress	RB2,OL	2	12

UNIT: III

Color: Color- definition, color theories- prang color chart and mussel color system. Dimensions of color hue, value and intensity. Standard color harmonies- color in principles of design- application of the same in dress design.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Color- definition, color theories	TB1,OL	2	2
2	Prang color chart and munsell color system	TB 1	2	4
3	Dimensions of color hue, value and intensity	TB1,RB1	3	7
4	Dimensions of colorhue, value and intensity. Standard color harmonies-	RB2,OL	3	10
5	Color in principles of design- application of the same in dress design.	RB1,OL	2	12

UNIT: IV

Designing dresses for unusual figures: Designing dresses for unusual figures types - stout figure, slender figure, narrow shoulder, broad shoulder, round shoulder, large bust, flat chest, large hip, large abdomen, round face, large face, and small face.

S.No	Topic	No. of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Designing dresses for unusual figure types	TB1,OL	2	2
2	Stout figure, slender figure, thin figure	TB 1	2	4
3	Shoulder, broad shoulder, round shoulder	TB1,RB1	3	7
4	Large bust, flat chest, large hip	RB2,OL	3	10
5	Large abdomen, round face, large face, small face	RB1,OL	2	12

UNIT: V

Designers: Designer- Role & function, Types of designer. Fashion and season, Designing dresses for different occasions – business meetings, parties/dinners, evenings, leisure hours, marriage functions, sports, airhostess & hoteliers.

S.No	Topic	No. of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Designer- Role & function	RB1,OL	2	2
2	Types of designer	TB 1	1	3
3	Fashion and season	RB1,OL	3	6
4	Designing dresses for different occasions – business meetings, parties/dinners	RB2,OL	3	9
5	Leisure hours, marriage functions, sports, airhostess & hoteliers	RB1,OL	2	11

FASHION AND CLOTHING PSYCHOLOGY

UNIT – I

Fashion Accessories – Shoes, handbags, jewelry, hats, ties and other. Prepare an album for accessories.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Fashion Accessories	RB1,OL	2	2
2	Shoes, handbags	RB1	1	3
3	Jewelry, hats	TB1,OL	3	6
4	Ties and other.	RB2,OL	3	9
5	Prepare an album for accessories	TB1,OL	2	11

UNIT – II

Figure irregularities – stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face and broad face, prominent chin and jaw and prominent forehead.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Figure irregularities – stout figure, thin figure, slender figure unusual figure types	TB1,OL	2	2
2	Narrow shoulders, broad shoulders, round shoulders	TB 1	2	4
3	Large bust, flat chest, large hip, large abdomen,	TB1,RB1	3	7
4	Round face, large face, small face and broad face	RB2,OL	3	10
5	Prominent chin and jaw and prominent forehead.	RB1,OL	2	12

UNIT – III

Factors affecting fashion charges – Psychological needs of fashion, psychology of fashion, Technology, Economical, Political, legal and seasonal.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Factors affecting fashion charges	TB1,OL	2	2
2	Psychological needs of fashion	OL	2	4
3	Psychology of fashion	TB1,RB1	3	7
4	Technology, Economical,	RB2,OL	3	10
5	Political, legal and seasonal	RB1,OL	2	12

UNIT – IV

Recurring silhouettes – changes in silhouettes; fashion cycle; Prediction fashion; Role of costumers as status symbol, clothes as sex appeal, self identity, cultural value.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Recurring silhouettes – changes in silhouettes	TB1,OL	2	2
2	Fashion cycle	OL	2	4
3	Prediction fashion	TB1,RB1	3	7
4	Role of costumers as status symbol, clothes as sex appeal	RB2,OL	3	10
5	Self identity, cultural value.	RB1,OL	3	13

UNIT – V

Understanding Fashion Designer: Designer types – Classicist, idealist, Influenced, Realist Thinking poet.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Understanding Fashion Designer	RB1,OL	2	2
2	Designer types – Classicist	RB1	1	3
3	Idealist, Influenced	TB1,OL	3	6
4	Realist Thinking poet	RB2,OL	3	9

Class :I B.Sc **Subject: Sewing technology**

Total :75

Unit I

Sewing machine- classification of sewing machines, parts functions of single needle machine, over lock machine, bar tacking machine , button hole machine, button fixing machine, blind stitching machine, special attachments, care and maintenance, common problems and remedies

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Sewing machine classification, parts function of single needle machine	TB 1	3	3
2	Over lock machine, bar machine, button hole machine	TB 1	3	6
3	Button fixing machine, blind stitching machine	TB 1	3	9
4	Special attachments	TB 1	3	12
5	Care and maintenance, common problems and remedies	TB 1	3	15

Unit II

Stitching mechanism- needle, bobbin and bobbin case, bobbin winding, loops and loop spreader, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs- upper and lower thread tension, stitching auxiliaries, pressure foot and its types

S.No	Topic	No.of reference/ Textbook/ Online	Duration (Hrs)	Cumulative (Hrs)
1	Stitching mechanism needle, bobbin case winding	TB 1	3	3
2	Loops and loop spreader, upper and lower threading	TB 1	3	6
3	Auxiliary hooks, throat plates, take ups	TB 1	3	9
4	Tension discs upper and lower thread tension	TB 1	3	12
5	Stitching auxiliaries, pressure foot and its types	TB 1	3	15

Unit III

Cutting technology- definition, function, scope, cutting equipment and tools vertical reciprocity cutting machine, rotary cutting machine, band knife cutting machine, die cutters types of spread and its quality, spreading equipment and tools used for spreading methods

S.No	Topic	No.of reference/ Text book/Online	Duration (Hrs)	Cumulative period (Hrs)
1	Cutting technology definition, function scope	TB 1	3	3
2	Cutting equipment and tools vertical reciprocity cutting machine	TB 1	3	6
3	Rotary cutting machine, band knife cutting machine	TB 1	3	9
4	Die cutters types of spread and its quality	TB 1	3	12
5	Spreading equipment and tools used for spreading methods	TB 1	3	15

Unit IV

Marking methods, positioning marking, types of marking, efficiency of a market plan, and requirements of marker planning .

Pressing equipments- purpose, pressing equipments and methods- iron, stream press, stream air finisher, steam tunnel, special types- pleating permanent press.

S.No	Topic	No.of reference /Text book/Online	Duration (Hrs)	Cumulative period (Hrs)
1	Marking method, positioning marking types of marking	TB 1	3	3
2	Efficiency of a market plan and requirements of marker planning	TB 1	3	6
3	Pressing equipments purpose, pressing equipement and methods	TB 1	3	9
4	Iron pressing stream press steam air finisher	TB 1	3	12
5	Stream tunnel, special types, pleating permanent press	TB 1	3	15

Unit V

Sewing federal standards for stitch and stitch classification, federal standards for seam and seam classification, fabric suability, sewing threads- types, essential qualities of sewing thread manufacturing process of cotton and synthetic threads, twisting process

S.No	Topic	No.of reference/Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Sewing federal standards for stitch and stitch classification	TB 1	3	3
2	Federal standard for seam and classification, fabric suability	TB 1	4	7
3	Sewing threads, types, essential qualities of sewing thread	TB 1	4	11
4	Thread manufacturing process of cotton and synthetic threads, twisting process	TB 1	4	15

CLASS: II FD

SUBJECT: TECHNICAL TEXTILES

UNIT: I

Technical Textiles – Definition and Scope, Categories of Technical Textiles

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumu Period

1	Technical Textile	LTPC(12L)	2Hour	2 Hours
2	Definition and Scope of technical Textiles.	LTPC(12L)	3 Hours	5 Hours
3	Categories of Technical Textiles.	LTPC(12L)	3 Hours	8 Hours

Unit-II

Medical Textiles – Classification, Fibers used and their properties required, Medical textile Products – Properties, functions.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Classification of Medical Textiles.	LTPC(12L)	2 Hours	2 Hours
2	Fibers used and their properties required.	LTPC(12L)	1 Hours	3 Hours
3	Medical Textile Products.	LTPC(12L)	3 Hours	6 Hours
4	Properties and functions	LTPC(12L)	5 Hours	11 Hours

Unit-III

Geo Textiles – Definition, Fibers used in geo textiles – requirement of fibers. Functions of Geo Textiles – Separation, Filtrations, Drainage, Reinforcement

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Geo Textiles-Definition, Fiber used in geo textiles.	LTPC(13L)	2 Hours	2 Hours
2	Requirement of fibers.	LTPC(13L)	4 Hours	6 Hours
3	Functions of Geo Textiles- Separation, Filtrations, Drainage, Reinforcement.	LTPC(13L)	6 Hours	12 Hours

Unit-IV

Textiles for Textiles for automotive industry. Suitable fibers for automotive industry Safety devices – Airbags – Materials used – Types of fabric – Seat belts – Types, Fabrics used.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Suitable fibers for automotive industry.	LTPC(11L)	1Hours	1 Hours
2	Safety devices-airbags- Materials used.	LTPC(11L)	3 Hours	4 Hours
3	Types of fabric	LTPC(11L)	4 Hours	8 Hours
4	Seatbelts- Types, Fabrics used.	LTPC(11L)	3 Hours	11 Hours

Unit-V

Brief study on Protective textiles – Bullet Proof fabrics – fire retarding fabrics – high temperature fabrics – High visibility clothing. Fibers used and properties of fabrics, smart textiles and intelligent textiles.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Brief study on Protective Textiles.	LTPC(12L)	2 Hours	2 Hours
2	Bullet Proof fabrics, Fire retarding fabrics.	LTPC(12L)	2 Hours	4 Hours
3	High visibility clothing, Fibers used and properties of Fabrics.	LTPC(12L)	2 Hours	6 Hours
4	Smart Textiles and intelligent textiles.	LTPC(12L)	4 Hours	10 Hours

Prepared by

(Ms.Ruzaina Sulthana)

Approved by

(Dr.S.M.D. Mathuravalli)

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 002

APPAREL COSTING

UNIT –I

Principles of costing – requirement of good costing system – cost unit- types of cost – Fixed cost – Variable cost – Semi variable cost – Conversion cost – Replacement cost – Differential cost – Imputed cost – Sunk cost – Research cost – Development cost – Policy cost – Shutdown cost

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Principles of costing – requirement of good costing system,cost unit	TB1,OL	5	5
2	Types of cost – Fixed cost, Variable cost	RB1.OL	4	9
3	Semi variable cost – Conversion cost, Replacement cost	TB1,RB1	3	12
4	Differential cost – Imputed cost ,Sunk cost	RB2,OL	3	15
5	Research cost – Development cost – Policy cost,Shutdown cost	RB1,OL	3	18

UNIT-II

Elements of cost – Direct material cost – Direct expenses – Direct wages – Indirect material cost – Indirect expenses – Indirect labour overheads- Production overhead – Administrative overhead –selling overhead – Distribution overhead – Prime cost – Work cost – Cost of production – Total cost.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Elements of cost – Direct material cost – Direct expenses	TB1,OL	3	3
2	Direct wages – Indirect material cost – Indirect expenses	RB1.OL	3	6
3	Indirect labour overheads- Production overhead	TB1,OL	3	9
4	Administrative overhead – selling overhead – Distribution overhead	RB2,OL	4	13
5	Prime cost – Work cost – Cost of production – Total cost	RB1,OL	5	18

UNIT – III

Cost estimation of yarn, fabric and components, dyeing, printing and finishing. Cost estimation for cutting, stitching, checking, packing, forwarding, shipping and insurance.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Cost estimation of yarn, fabric and components	RB2,OL	5	5
2	Dyeing, printing and finishing	RB1.OL	3	8
3	Cost estimation for cutting, stitching	TB1,OL	4	12
4	Checking, packing, forwarding	TB1,OL	3	15
5	Shipping and insurance	RB2,OL	3	18

UNIT –IV

Cost of product development. Analysis of Design cost- profit design – product profitability. Function of cost control – Apparel manufacturing cost categories – sales cost control – purchasing cost control – production cost control.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Cost of product development	TB2,OL	2	2
2	Analysis of Design cost- profit design – product profitability	RB1.OL	5	7
3	Function of cost control	TB1,OL	4	11
4	Apparel manufacturing cost categories – sales cost control	TB1,OL	4	15
5	Production cost control	RB2,OL	3	18

UNIT- V

Costing of various garments – Children's wear , Women's wear, Men's wear.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Costing of various garments	RB1,OL	5	5
2	Children's wear	RB2.OL	5	10
3	Women's wear	TB2.OL	4	14
4	Men's wear.	TB1,OL	4	18

Class :II B.Sc **Subject: Computer In The Garment Industry**

Total :45

UNIT – I Classification of computers: Classification of computers, computer generations, computer specification, organization of computer sections. Types of storage devices (Primary and Secondary), input devices, output devices. (10L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Classification of computers	TB 1	2	2
2	computer generations	TB 1	2	4
3	computer specification organization of computer sections	TB 1	2	6
4	Organization of computer sections	TB 1	2	8
5	Types of storage devices (Primary and Secondary), input devices, output devices	TB 1	2	10

UNIT – II Role of computers: Role of computers in fashion industry-Information flow – CAD,CAM,CIM,CAA, PDC – Definition and Functions. Computers in production planning and production scheduling, computerized colour matching system. (8L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Role of computers in fashion industry	TB 1	2	2
2	Information flow – CAD,CAM,CIM,CAA, PDC – Definition and Functions	TB 1	2	4
3	Computers in production planning	TB 1	1	5
4	Production scheduling	TB 1	1	6
5	Computerized colour matching system devices, output devices	TB 1	2	8

UNIT – III CAD in Designing: CAD in Designing Textile designing – Weaving, knitting and printing. Creating embroidery designs. Garment designing -2D and 3D forms. (8L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	CAD in Designing Textile designing – Weaving	TB 1	2	2
2	knitting and printing	TB 1	2	4
3	Creating embroidery designs	TB 1	1	5
4	Garment designing -2D	TB 1	1	6
5	3D forms	TB 1	2	8

UNIT – IV CAD in Pattern making and grading: CAD in Pattern making and grading – system description – information flow – process involved pattern making, process involved in pattern grading. (10L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	CAD in Pattern making and grading	TB 1	2	2
2	system description	TB 1	2	4
3	information flow	TB 1	2	6
4	process involved pattern making	TB 1	2	8
5	process involved in pattern grading	TB 1	2	10

UNIT – V Computer application : Computer application in fabric defect checking, laying / spreading, cutting marker planning, labelling –parts and functions. Computerized sewing machines. (9L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Computer application in fabric defect checking	TB 1	2	2
2	laying / spreading	TB 1	2	4
3	cutting marker planning	TB 1	2	6
4	labelling –parts and functions	TB 1	2	8

5	Computerized sewing machines	TB 1	1	9

Class :III B.Sc **Subject: Care and maintenance of textiles**

Total :75 Hours

Unit I Types of water- hard water and soft water- temporary and permanent hardness. Problems caused by hard water. Methods of softening water. Care and labeling.

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Types of water hard and soft water	TB 1	4	4
2	Temporary and permanent hardness., problems caused hard water	TB 1	3	7
3	methods of softening water and care and lebeling	TB 1	5	12

Unit II Soap and detergents- definition, manufacturing process, properties and their cleansing action. Indigenous cleaning agents like rita nut, shikkakai and bran. Dry cleaning- using absorbents using grease solvents.

S.No	Topic	No. of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Soap and detergent definition, manufacturing process	TB 1	2	2
2	Properties and their cleansing.	TB 1	2	4
3	Indigenous cleaning agents like rita nut, shikkakai and bran	TB 1	2	6
4	Dry cleaning using absorbents	TB 1	5	11
5	Dry cleaning using grease solvents	TB 1	4	15

Unit III Stiffening agents- natural and commercial starches. Bleaching agents, bluing agents optical brighteners. Additional laundering agent- acidic, alkaline and others. Stain removal.

S.No	Topic	No.of reference /Text book/Online	Duration (Hrs)	Cumulative period (Hrs)
1	Stiffening agents natural and commercial starches	TB 1	3	3
2	Bleaching agents, bluing agents optical brighteners	TB 1	3	6
3	Additional laundering agent acidic, alkaline and others	TB 1	5	11
4	Stain removal	TB 1	4	15

Unit IV laundry equipment- for storage, for steeping and washing-wash board, suction washer, wash boiler, washing machine. Drying equipment- outdoor and indoor types. Iron and ironing board –types of iron (box, flat, automatic, steam iron). Ironing board- different types.

S.No	Topic	No.of reference/Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Laundry equipment storage, sleeping, washing	TB 1	4	4
2	Laundry wash-board, suction washer, wash boiler, washing machine	TB 1	5	9
3	Drying equipment out door and indoor types	TB 1	3	12
4	Iron and ironing board,types of iron	TB 1	3	15
5	Ironing board different types	TB 1	3	18

Unit V Principles of washing- suction washing, washing by kneading, rubbing, scrubbing and squeezing, washing by machine- process details and machine details. Laundering of different fabrics- cotton, linen, woolen, silk, rayon, nylon, and colored fabric. Special types of laundry – water proof coats, silk ties, leather goods, furs and laces.

S.No	Topic	No.of reference/ text book /Online	Duration (Hrs)	Cumulative period (Hrs)
1	Principle of wasing suction washing, washing kneading, rubbing	TB 1	2	2
2	Principle scrubbing,squez	TB 1	2	4
3	Washing machine process details and machine details	TB 1	3	7
4	Laundering different fabric- cotton, linen, woolen, silk,	TB 1	3	10

	rayon			
5	Special types of laundry water proof coats, silk ties, furs and laces	TB 1	5	15

Class :III B.Sc **Subject: Designing And Constructing Men's Wear**

Total :60

Topic No	Topic Name	No.of Reference/ Textbook/ online	Duration	Cumulative Period
1	Construct Slack Shirt	Zarapkar system of cutting	5 Hrs	5 Hrs
2	Construct T – Shirt	Zarapkar system of cutting	5 Hrs	10 Hrs
3	Construct Full Sleeve	Zarapkar system of cutting	5 Hrs	15 Hrs
4	Construct Pleated Trousers	Zarapkar system of cutting	5 Hrs	20 Hrs
5	Construct Bell Bottom	Zarapkar system of cutting	5 Hrs	25Hrs
6	Narrow Bottom Construction	Zarapkar system of cutting	5 Hrs	30 Hrs
7	Kalidar – Kurta construction	Zarapkar system of cutting	5 Hrs	35 Hrs
8	Nehru Kurta construction	Zarapkar system of cutting	5 Hrs	40 Hrs
9	Jeans construction	Zarapkar system of cutting	5 Hrs	45 Hrs
10	Pajamas construction	Zarapkar system of cutting	5 Hrs	50 Hrs
11	Single Breast Coat construction	Zarapkar system of cutting	5 Hrs	55 Hrs
12	Night Dress construction	Zarapkar system of cutting	5 Hrs	60 Hrs

Prepared by

(V. Vishaga lakshmi)

Approved by

(Dr.S.M.D. Mathuravalli)

PRINCIPAL

PRINCIPAL
HOLY CROSS HORTICHIE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

		cutting/OL		
12	Ladies Shirt Stitching	Zarapkar system of cutting/OL	4	52
13	Surwar Stitching	Zarapkar system of cutting/OL	4	56
14	Kameez Stitching	Zarapkar system of cutting/OL	4	60

Class :II B.Sc **Subject: Fashion Concept**

Total: 30

UNIT – I Fashion – Style – Fad Definition – Sources of Fashion – Terms related to Fashion Industry – Boutique, Collection, Classic Chic Fashion Show, Fashion Trends and High Fashion. (6L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Fashion – Style – Fad Definition – Sources of Fashion	TB 1	2	2
2	Terms related to Fashion Industry – Boutique, Collection	TB 1	1	3
3	Classic Chic Fashion Show	TB 1	1	4
4	Fashion Trends	TB 1	1	5
5	High Fashion	TB 1	1	6

UNIT – II Role of designer – Researching the market. Design process, sample production. Sources of design inspiration. Types of designer – High fashion designer, Moderate designer, Stylist and free – lance designer. (6L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Role of designer – Researching the market	TB 1	2	2
2	Design process, sample production	TB 1	1	3
3	Sources of design inspiration	TB 1	1	4
4	Types of designer – High fashion designer, Moderate designer	TB 1	1	5
5	Stylist and free – lance designer	TB 1	1	6

UNIT – III Colour – definition characters of colour, theory, colour schemes, colour psychology, visual and physical effect of colour, colour& texture, colour marketing systems. Value & intensity of colour. (6L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
		TB 1	2	2
1	Colour – definition characters of colour	TB 1	1	3
2	Theory, colour schemes, colour psychology	TB 1	1	4
3	Visual and physical effect of colour	TB 1	1	5
4	colour& texture, colour marketing systems	TB 1	1	6
5	Value & intensity of colour			

UNIT – IV Design and Principles of design, Definition, types of design – structural and decorative design, characteristics of a good design, elements of design, principles of design – Definition – Harmony – Proportion – Scale, balance – Rhythm – Emphasis - and its application in dresses. (6L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
		TB 1	2	2
1	Design and Principles of design	TB 1	1	3
2	types of design – structural and decorative design	TB 1	1	4
3	characteristics of a good design	TB 1	1	5
4	elements of design	TB 1	1	6
5	principles of design and its application in dresses			

UNIT – V Components of fashion – Silhouette, Texture, colour, Acceptance change, environment of fashion – Economic factors, sociological factors, Physical factors Psychological factors. Movement of fashion – cycling of fashion, Stages of fashion cycle. (6L) (Total: 30L)

S.No	Topic	No.of reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
		TB 1	2	2
1	Components of fashion - Silhouette, Texture, colour, Acceptance change	TB 1	1	3
2	environment of fashion	TB 1	1	4
3	Economic factors, sociological factors, Physical factors			
	Psychological factors	TB 1	1	5
4	Movement of fashion	TB 1	1	6
5	cycling of fashion, Stages of fashion cycle			

Prepared by

(Ms.B.K.Binisha Joji)

Approved by

(Dr.S.M.D. Mathuravalli)

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
53, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Odd Semester)

R. Waheetha

Prepared by

Mrs. R.Waheetha
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

R. Waheetha

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Dept of Computer Science

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : **C PROGRAMMING**

Subject Handled by : **Mrs. R. Waheetha**

Unit – I: INTRODUCTION

C Declarations:- Character Set – C tokens – Keywords and Identifiers – Identifiers – Constants – Variables – Data types – Declaration of Variables – Declaration of Storage Class – Assigning Values to Variables – Defining Symbolic Constants – Declaring Variable as Constant. Operators and Expressions:- Introduction – Arithmetic Operators – Relational Operators – Logical Operators – Assignment Operators – Increment and Decrement Operators – Conditional Operator – Bitwise Operators – Special Operators – Arithmetic Expressions – Evaluation of Expressions – Precedence of Arithmetic Expressions. Managing Input and Output Operations:- getchar( ) – putchar( ) – scanf( ) – printf( ).

LM	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cummulative Period (hrs)	Teaching Methodology
1	Character Set , C tokens , Keywords and Identifiers , Identifiers , Constants , Variables	T/1,R/1	2	2	LM, ppt,
2	Data types , Declaration of Variables, Declaration of Storage Class , Assigning Values to Variables, Defining Symbolic Constants , Declaring Variable as Constant	T/1,R/1	2	4	LM, ppt, Program writing
3	Operator: Introduction , Arithmetic Operators , Relational Operators	T/1,R/2	1.30	5.30	LM, ppt, demonstration
4	Logical Operators , Assignment Operators	T/1,R/1	1.30	7	LM, ppt, demonstration
5	Increment and Decrement Operators , Conditional Operator,	T/1,R/1	2.30	9.30	LM, ppt, demonstration

	Bitwise Operators , Special Operators				
6	Arithmetic Expressions, Evaluation of Expressions	T/1	1.30	11	LM, ppt, demonstration
	getchar( ), putchar( )	T/1,R/1	1.30	12.30	LM, ppt, demonstration
7	scanf( ), printf( )	T/1,R/1	1.30	14	LM, ppt, demonstration

Unit – II: CONTROL STRUCTURES

Decision Making and Branching:- Decision Making with IF Statement – Simple IF statement – The IF…Else Statement – Nesting of IF…Else Statements – The ELSE IF ladder – The Switch Statement – The ?: Operator – The GOTO statement. Decision Making and Looping:- The WHILE Statement – The DO Statement – The FOR statement.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cummulative Period(hrs)	Teaching Methodology
1	Decision Making with IF Statement – Simple IF statement – The IF…Else Statement	T/1	1	1	LM, ppt, demonstration
2	Nesting of IF…Else Statements – The ELSE IF ladder	T/1	1	2	LM, ppt, demonstration
3	The Switch Statement	T/1, R/1	1	3	LM, ppt, demonstration
4	The ?: Operator, The GOTO statement	T/1	1	4	LM, ppt, demonstration
5	The WHILE Statement	T/1, R/1	2	6	LM, ppt, demonstration
7	The DO Statement	T/1, R/1	2	8	LM, ppt, demonstration
8	The FOR statement	T/1, R/1	2	10	LM, ppt, demonstration

Unit – III: ARRAYS

One-dimensional arrays – Declaration of One-dimensional arrays – Initialization of One-dimensional arrays - Two-dimensional arrays – Initialization of Two-dimensional arrays – Multi-dimensional arrays. Character Arrays and Strings:- Declaring and Initializing String Variables – Reading Strings from Terminal – Writing Strings to Screen – String Handling Functions.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cummulative Period(hrs)	Teaching Methodology
1	One-dimensional arrays – Declaration of One-dimensional arrays – Initialization of One-dimensional arrays	T/1, R/1	2	2	LM, ppt, demonstration
2	Two-dimensional arrays – Initialization of Two-dimensional arrays	T/1, R/1	2	4	LM, ppt, demonstration
3	Multi-dimensional arrays	T/1, R/1	1	5	LM, ppt, demonstration
4	Declaring and Initializing String Variables	T/1, R/1	1	6	LM, ppt, demonstration
5	Reading Strings from Terminal	T/1, R/1	1	7	LM, ppt, demonstration
7	Writing Strings to Screen	T/1, R/1	1	8	LM, ppt, demonstration
8	String Handling Functions	T/1, R/1	2	10	LM, ppt, demonstration

Unit – IV: FUNCTIONS

User-Defined functions:- Need for User-defined functions – Definition of functions – Return Values and their Types – Function Calls – Function Declaration – Category of functions – No Arguments and No return values – Arguments but No return Values – Arguments with return values – No arguments but a return a value – Recursion – Passing Arrays to functions – Passing Strings to functions – The Scope, Visibility and lifetime of a variables. Structures and Unions:-

Defining a Structure – Declaring Structure Variables – Accessing Structure Members – Structure Initialization – Arrays of structures –Unions.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cummulative Period(hrs)	Teaching Methodology
1	Need for User-defined functions , Definition of functions, Return Values and their Types	T/1, R/1	2	2	LM, ppt, demonstration
2	Function Calls, Function Declaration	T/1, R/1	2	4	LM, ppt, demonstration
3	Category of functions , No Arguments and No return values, Arguments but No return Values, Arguments with return values, No arguments but a return a value	T/1, R/1	2	6	LM, ppt, demonstration
4	Recursion	T/1, R/1	1	7	LM, ppt, demonstration
5	Passing Arrays to functions, Passing Strings to functions	T/1, R/1	2	9	LM, ppt, demonstration
7	The Scope, Visibility and lifetime of a variables	T/1, R/1	1	10	LM, ppt, demonstration
8	Defining a Structure, Declaring Structure Variables	T/1, R/1	1	11	LM, ppt, demonstration
9	Accessing Structure Members	T/1, R/1	1	12	LM, ppt, demonstration
10	Structure Initialization, Arrays of structures	T/1, R/1	1	13	LM, ppt, demonstration
11	Unions	T/1, R/1	1	14	LM, ppt, demonstration

Unit – V: POINTERS AND FILES

Pointers:- Understanding pointers – Accessing the Address of a Variable – Declaring Pointer Variables – Accessing a variable through its pointer – Pointer Expressions –Pointers as

function arguments. File Management in C:- Defining and Opening a file – Closing a File – Input/output Operations on files – Error Handling during I/O Operations.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cummulative Period(hrs)	Teaching Methodology
1	Understanding pointers, Accessing the Address of a Variable	T/1, R/1	2	2	LM, ppt, demonstration
2	Declaring Pointer Variables, Accessing a variable through its pointer	T/1, R/1	1	3	LM, ppt, demonstration
3	Pointer Expressions	T/1, R/1	2	5	LM, ppt, demonstration
4	Pointers as function arguments	T/1, R/1	1	6	LM, ppt, demonstration
5	Defining and Opening a file	T/1, R/1	2	8	LM, ppt, demonstration
7	Closing a File	T/1, R/1	1	9	LM, ppt, demonstration
8	Input/output Operations on files	T/1, R/1	2	11	LM, ppt, demonstration
9	Error Handling during I/O Operations	T/1, R/1	1	12	LM, ppt, demonstration

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Dept of Computer Science

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : **C PROGRAMMING LAB**

Subject Handled by : **Mrs R. Waheetha**

Topic No	Topic Name	Duration (hrs)	Teaching Method	Cummulative Period(hrs)
1	To find all possible roots of a quadratic equation using if statement	4	Demo	4
2	Program to check vowel or consonant using switch case statement	4	Demo	8
3	Evaluate Sine series using while loop Sin (x) = $x - x^3/3! + x^5/5! - \ldots x^n/n$	4	Demo	12
4	Sort a list of numbers in ascending order	4	Demo	16
5	Search an element in an array	4	Demo	20
6	Reverse a number	4		24
7	Check the given string is palindrome or not	4	Demo	28
8	Find the binomial coefficient (nC_r) value using recursion	4	Demo	32
9	Multiply two matrices (check for compatibility)	4	Demo	36
10	Transpose of a matrix	4	Demo	40
11	Find the sum of 'n' numbers by making function call	4	Demo	44
12	Alphabetical sorting (passing array as argument to function)	4	Demo	48
13	Exchange values using pointers and function	4	Demo	52
14	Prepare the student details using structure	4	Demo	56
15	Prepare mark sheet using file	4	Demo	60

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : **Digital Design**

Subject Handled by : **Mrs . R. Waheetha**

Unit I Number Systems : Codes and Digital LogicBinary Number System –Binary to Decimal Conversion – Decimal to Binary Conversion –Octal Numbers –Hexadecimal Numbers –The ASCII Code –The Excess3 Code –The Gray Code. Digital Logic:The Basic gates NOT, OR , AND –Universal Logic Gates NOR,NAND –AND-OR Invert Gates.(12L)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Methods	Cumulative Period(hrs)
1	Codes and Digital Logic :Binary Number System	T/1,R/1	2	Problem Solving	2
2	Binary to Decimal Conversion, Decimal to Binary Conversion	T/1	2	Problem Solving	4
3	Octal Numbers, Hexadecimal Numbers	T/1,R/1	2	Problem Solving	6
4	The ASCII Code, The Excess3 Code, The Gray Code.	T/1,R/1	2	LM	8
5	Digital Logic: The Basic gates NOT, OR , AND	T/1	2	Problem Solving	10
6	Universal Logic Gates NOR,NAND –AND-OR Invert Gates	T/1	2	LM	12

Unit II Combinational Logic: Circuits Boolean Laws and Theorems –Sum of Products Method– Truth Table to Karnaugh Map –Pairs, Quads and Octets –Karnaugh Simplifications –Don't Care Conditions –Product of Sums Method –Product of Sums Simplification.(12L)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Methods	Cumulative Period(hrs)
1	Circuits Boolean Laws and Theorems	T/1	2	LM	2
2	Sum of Products Method	T/1	2	Problem Solving	4
3	Truth Table to Karnaugh Map – Pairs, Quads and Octets	T/1, R/1	2	Problem Solving	4
4	Karnaugh Simplifications	T/1	3	Problem Solving	4
5	Don't Care Conditions	T/1, R/1	1	Problem Solving	4
7	Product of Sums Method – Product of Sums Simplification	T/1, R/1	2	Problem Solving	4

Unit III Data Processing and Arithmetic circuits : Multiplexers –De-multiplexers –1-of-16-Decoders –BCDto-Decimal Decoders –Seven-Segment decoders –Encoders –Exclusive-OR gates. Arithmetic Circuits:Binary Addition –Binary Subtraction –Unsigned Binary Numbers – Sign-Magnitude Numbers – 2's Complement Representation –2's Complement Arithmetic.(14L)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Method	Cumulative Period(hrs)
1	Multiplexers, De-multiplexers, 1-of-16 Decoders	T/1, R/1	2	LM	2
2	BCD to-Decimal Decoders , Seven-Segment decoders	T/1, R/1	2	LM	4
3	Encoders, Exclusive-OR gates.	T/1, R/1	1	LM	5
4	Arithmetic Circuits:Binary Addition	T/1, R/1	1		6
5	Binary Subtraction, Unsigned Binary Numbers	T/1, R/1	2		8
7	Sign Magnitude Numbers	T/1, R/1	1		9
8	2'sComplement Representation, 2's Complement Arithmetic.	T/1, R/1	1		10

Unit IV: Flip-Flops:RS Flip Flops –Edge Triggered RS Flip Flops -Edge Triggered D Flip Flops -Edge Triggered JK Flip Flops –JK Master Slave Flip Flops. (10L)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Methodology	Cumulative Period(hrs)
1	RS Flip Flops	T/1, R/1	2	LM	2
2	Edge Triggered RS Flip Flops	T/1, R/1	2	LM	4
3	Edge Triggered D Flip Flops	T/1, R/1	2	LM	6
4	Edge Triggered JK Flip Flops	T/1, R/1	2	LM	8
5	JK Master Slave Flip Flops.	T/1, R/1	2	LM	10

Unit V: Registers :Types of Registers –Serial in serial out –serial in parallel out –parallel in serial out –parallel in parallel out–Universal Shift Register.(12L)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Methodology	Cumulative Period(hrs)
1	Serial in serial out	T/1, R/1	2	LM	2
2	Serial in parallel out	T/1, R/1	2	LM	4
3	Parallel in serial out	T/1, R/1	2	LM	6
4	Parallel in parallel out	T/1, R/1	3	LM	9
5	Universal Shift Register	T/1, R/1	3	LM	12

Department of Computer Science

Course Plan

Class : III B.Sc (Computer Science)

Subject Name : Relational Database Management System

Handled by : Mrs. R. Waheetha

Unit - I

Introduction: Database - System applications-Purpose of Database Systems - View of Data- Database languages -Relational Databases - Database Design - Data Storage and Querying - Transaction Management - Database Architecture - Data Mining and Information Retrieval- Specialty Databases - Database Users and Administrators. **12 hrs**

Topic No.	Topic Name	No. of Ref/Text/ Website	Duration	Teaching Methods	Cumulative Time
1.	Database - Introduction	T1	1hr	LM	1 hr
2.	System applications	T1	1hr	LM	2 hrs
3.	Purpose of Database Systems	T1	1 hr	LM	3 hrs
4.	View of Data	T1	1 hr	Ppt	4 hrs
5.	Database languages	T1	1 hr	Discussion	5 hrs
6.	Relational Databases and Database Design			LM	
7.	Data Storage and Querying	T1	1 hr	PPt	6 hrs
8.	Transaction Management	T1 T1	1 hr 1 hr	LM	7 hrs 8 hrs
9.	Database Architecture	T1	1 hr	LM	9 hrs
10.	Specialty Databases	T1	1 hr		10 hrs
11.	Database Users and Administrators.	T1	1 hr	Demo	11 hrs
12.	RDBMS Concepts	T1	1 hr		12 hrs

Unit II

Introduction to the Relational Model and Introduction to SQL: Structure of Relational Databases -Database Schema-Keys-Schema Diagrams- Relational Query Languages- Relational Operations- Overview of the SQL Query Language -SQL Data Definition-Basic Structure of SQL Queries

12hrs

Topic No.	Topic Name	No. of Ref/ Text/ Website	Duration	Teaching Method	Cumulative Time
1.	Structure of Relational Databases	T1	1 hr	LM	1hr
					2 hrs
2.	Database Schema	T1	1 hr	Demo	3 hrs
3.	Keys	T1	1hr	LM	4 hrs
4.	Schema Diagrams	T1	1 hr	Demo	5 hrs
5.	Relational Query	T1	1 hr	LM	6 hrs
6.	Languages	T1	1 hr	Ppt	7 hrs
7.	Overview of the SQL	T1	1 hr	LM	8 hrs
8.	Query Language	T1	1 hr	Demo	9 hrs
9.	SQL Data Definition	T1	1 hr	LM	10 hrs
10.	Basic Structure of SQL	T1	1 hr	Demo	11 hrs
11.	Queries	T1	1 hr	Demo	12 hrs
12.	SELECT with Where Clause	T1	1 hr	Demo	
	Group by, Order By Clauses	R4/R5/R6			
	Rename, String Operation				

Unit III

SQL operations and Intermediate SQL : Additional Basic Operations-Set Operations-Null values-Aggregate functions- Nested Sub queries- Views - Integrity Constraints - SQL Data Types and Schemas

15hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Teaching Methods	Cumulative Time
1.	Additional Basic SQL	T1/R1	1hrs	Demo	1 hrs
2.	Operations	T1/R1	1 hr	Demo	2 hrs
3.	Set Operations	T1/R1	1 hr	Ppt	3 hrs
4.	Null values	T1/R1	1 hr	LM	4 hrs
5.	Aggregate functions	T1/R1	2 hrs	LM	6 hrs
6.	Nested Sub queries	T1/R1	1 hr	LM	7 hrs
7.	Views	T1/R1	2 hrs	Demo	9 hrs
8.	Integrity Constraints	T1/R1	1 hr	LM	10 hrs
9.	SQL Data Types	T1/R1	1 hr	LM	11 hrs
10.	Schemas	R4/R5/R6	1 hrs	Demo	12 hrs
	Tutorial on SQL Operations				

Unit IV

Database Design using E-R Model & Relational Database Design: Overview – E-R Moel – Complex attributes – Mapping Cardinalities – Primary key – Removing redundant attributes – Reducing E-R diagrams to schema –Extended E-R features –Features of good Relational design – Decomposition – Normal forms – Functional Dependency – Decomposition Functional & Multi value Dependencies – More Normal Forms. (12L)

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Teaching Methods	Cumulative Time
1.	E-R Model , Complex attributes Mapping Cardinalities	T1	2 hrs	LM	2
2.	Primary key, removing redundant attributes	T1	2 hrs	Ppt	4
3.	Removing redundant attributes	T1	1 hrs	Ppt	5
4.	Reducing E-R diagrams to schema –Extended E-R features Tutorial on Features of good Relational design	T1	1 hrs	Demo	6
5.	Normal forms	T1	2 hr	Problem solving	8
6.	Functional Dependency	T1	1hrs	LM	9
7.	Decomposition Functional &	T1/Online	1 hrs	LM	10
8.	Multi value Dependencies	T1	1 hrs	Ppt	11
9.	More Normal Forms	T1/R1	1hrs	LM	12

Unit V

Implementation using Oracle: Creating Table - Modifying Table - Creating SEQUENCE- PL/SQL - Stored procedures and Functions **15 hrs**

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Teaching Method	Cumulative Time
1.	Creating Table	T2	1 hr		1 hr
2.	Modifying Table	T2	1 hr		2 hrs
3.	Creating SEQUENCE	T2	2 hrs		4 hrs
4.	PL/SQL	T2	3 hrs		7 hrs
5.	Stored procedures and	T2	2 hrs		9 hrs
6.	Functions	T2	3 hrs		12 hrs
	Exercise on Oracle commands				

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Odd Semester)

X. Della

Prepared by

Mrs. X. Della
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

R. Lara

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : Professional English for Physical Science - I

Handled by : Mrs. X. Della

UNIT 1: COMMUNICATION

Listening: Listening to audio text and answering questions - Listening to Instructions

Speaking: Pair work and small group work.

Reading: Comprehension passages –Differentiate between facts and opinion

Writing: Developing a story with pictures.

Vocabulary: Register specific - Incorporated into the LSRW tasks

Topic No	Topic Name	No.of Ref/text/ online	Teaching Methodology	Duration (hrs)	Cumulative Period (hrs)
1	**Listening**: Listening to audio text and answering questions - Listening to Instructions	T/1,R/1, Online	YouTube/ Reading	3	3
2	**Speaking**: Pair work and small group work.	T/1	Group Activity	4	7
3	**Reading:** Comprehension passages –Differentiate between facts and opinion	T/1,R/1	Group Activity	2	9
4	**Writing:** Developing a story with pictures.	T/1,R/1	Assignment	3	12
5	**Vocabulary:** Register specific - Incorporated into the LSRW tasks	T/1	Quiz	3	15

UNIT 2: DESCRIPTION

Listening: Listening to process description.-Drawing a flow chart.

Speaking: Role play (formal context)

Reading: Skimming/Scanning- Reading passages on products, equipment and gadgets.

Writing: Process Description –Compare and Contrast Paragraph-Sentence Definition and Extended definition- Free Writing.

Vocabulary: Register specific -Incorporated into the LSRW tasks.

Topic No	Topic Name	No.of Ref/text/ online	Teaching Methodology	Duration (hrs)	Cumulative Period (hrs)
1	**Listening:** Listening to process description.-Drawing a flow chart.	T/1, Online	YouTube/ Group Activity	2	2
2	**Speaking:** Role play (formal context)	T/1	Group Activity	4	6
3	**Reading:** Skimming/Scanning- Reading passages on products, equipment and gadgets.	T/1, R/1	Reading	3	9
4	**Writing:** Process Description – Compare and Contrast Paragraph-Sentence Definition and Extended definition- Free Writing.	T/1	Assignment	4	13
5	**Vocabulary:**Register specific - Incorporated into the LSRW tasks.	T/1, R/1	Group Discussion	2	15

UNIT 3: NEGOTIATION STRATEGIES

Listening: Listening to interviews of specialists / Inventors in fields (Subject specific)

Speaking: Brainstorming. (Mind mapping). Small group discussions (Subject- Specific)

Reading: Longer Reading text.

Writing: Essay Writing (250 words)

Vocabulary: Register specific - Incorporated into the LSRW tasks

Topic No	Topic Name	No.of Ref/text/ online	Teaching Methodology	Duration (hrs)	Cumulative Period (hrs)
1	**Listening:** Listening to interviews of specialists / Inventors in fields (Subject specific)	T/1, R/1	YouTube/ Group Discussion	2	2
2	**Speaking**: Brainstorming. (Mind mapping). Small group discussions (Subject- Specific)	T/1, R/1	Group Activity	2	4
3	**Reading:** Longer Reading text.	T/1, R/1	Group Activity	2	6
4	**Writing:** Essay Writing (250 words)	T/1, R/1	Assignment	3	8
5	**Vocabulary:** Register specific - Incorporated into the LSRW tasks	T/1, R/1	Group Discussion	2	10

UNIT 4: PRESENTATION SKILLS

Listening: Listening to lectures.

Speaking: Short talks.

Reading: Reading Comprehension passages

Writing: Writing RecommendationsInterpreting Visuals inputs

Vocabulary: Register specific -Incorporated into the LSRW tasks

Topic No	Topic Name	No.of Ref/text/ online	Teaching Methodology	Duration (hrs)	Cumulative Period (hrs)
1	**Listening**: Listening to lectures.	T/1, R/1	LM	2	2
2	**Speaking:** Short talks.	T/1, R/1	Group Discussion	2	4
3	**Reading:** Reading Comprehension passages	T/1, R/1	Group Activity	2	6
4	**Writing:** Writing RecommendationsInterpreting Visuals inputs	T/1, R/1	Group Assignment	3	8

5	**Vocabulary:** Register specific - Incorporated into the LSRW tasks	T/1, R/1, Online	Quiz	2	10

UNIT 5: CRITICAL THINKING SKILLS

Listening: Listening comprehension- Listening for information.

Speaking: Making presentations (with PPT- practice).

Reading: Comprehension passages –Note making. Comprehension: Motivational article on Professional Competence,Professional Ethics and Life Skills)

Writing: Problem and Solution essay– Creative writing –Summary writing

Vocabulary: Register specific - Incorporated into the LSRW tasks

Topic No	Topic Name	No.of Ref/text/ online	Teaching Methodology	Duration (hrs)	Cumulative Period (hrs)
1	**Listening:** Listening comprehension- Listening for information.	T/1, R/1, Online	YouTube	2	2
2	**Speaking**: Making presentations (with PPT- practice).	T/1, R/1	Group Discussion	2	4
3	**Reading**: Comprehension passages –Note making. Comprehension: Motivational article on Professional Competence,Professional Ethics and Life Skills)	T/1, R/1	Group Activity	2	6
4	**Writing:** Problem and Solution essay– Creative writing –Summary writing	T/1, R/1	Assignment	3	8
5	**Vocabulary:** Register specific - Incorporated into the LSRW tasks	T/1, R/1, Online	Group Assignment	2	10

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI.

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : III B.Sc (Computer Science)

Subject Name : Programming with PHP & MySQL

Handled by : Mrs. X. Della

UNIT-I

Introduction: Introduction- Open source PHP – PHP history- features-variables- statements operators conditional statements-if-switch-nesting conditions-merging forms with conditional statements-loops-while-do-for – loop iteration with break and continue. (12L)

Topic No.	Topic name	No. of Ref/Text/ website	Teaching Methodology	Duration	Cumulative Period
1.	Introduction	T/1	LM	1hr	1hr
2.	Open source PHP	T/1	LM	2 hr	3hrs
3.	PHP history	T/1	LM	1 hr	4hrs
4.	Features, Variables	T/1	LM	2 hr	6hrs
5.	Statements operators conditional statements, if-switch	T/1	Demo	2 hr	8 hrs
6.	Nesting conditions-merging forms with conditional statements	T/1	Demo	2 hr	10 hrs
7.	Loops-while-do	T/1	Demo	1hr	11 hrs
8.	For – loop iteration with break and continue.	T/1	Demo	1 hr	12 hrs

UNIT-II

Arrays and Functions: Arrays: Creating an array- modifying array-processing array-grouping form with arrays- using array functions- creating user defined functions- using files- sessions-cookies- executing external programs- Creating sample applications using PHP.(12L)

Topic No.	Topic name	No. of Ref/Text/website	Teaching Methodology	Duration	Cumulative Period
1.	Arrays: Creating an array	T/1	LM	1hrs	1 hr
2.	Modifying array	T/1	Spoken Tutorial	1hrs	2hrs

3.	Processing array	T/1	Spoken Tutorial	1hrs	3hrs
4.	Using array functions, creating user defined functions	T/1	Demo	3hrs	6 hrs
5.	Using files	T/1	LM	1hrs	7 hrs
6.	Sessions, cookies	T/1	LM	2 hrs	9hrs
7.	Executing external programs- Creating sample applications using PHP	T/1	LM	3 hr	12 hrs

UNIT-III

File Handling: Opening files using fopen - looping over a files content with feof- reading text from a file using fgets - closing a file- reading character with fgetc- reading whole file with file_get contents reading a file in an array with file-checking if a file exists-fscanf-parse_ini_file-Getting file information with stat-fseek- copying files with copy- deleting files-writing to a file-reading and writing binary files –locking files. (12L)

Topic No.	Topic name	No. of Ref/Text/website	Teaching Methodology	Duration	Cumulative Period
1.	Opening files using fopen - looping over a files content with feof	T/1	LM	2 hrs	2hr
2.	Reading text from a file using fgets - closing a file	T/1	LM	1 hrs	3 hrs
3.	Reading character with fgetc- reading whole file with file_get contents reading a file in an array with file	T/1	LM	2 hrs	5 hrs
4.	Checking if a file exists-fscanf	T/1	LM	1 hrs	6 hrs
5.	Parse_ini_file- Getting file information with stat-fseek	T/1	LM	2 hrs	8 hrs
6.	Copying files with copy-deleting files	T/1	LM	2 hrs	10 hrs
7.	Writing to a file-reading and writing binary files – locking files	T/1	LM	2 hr	12 hrs

UNIT-IV

MySQL: Effectiveness of MySQL -MySQL Tools-Prerequisites for MySQL connection-Databases and tables- MySQL data types-Creating and manipulating tables-Insertion-updation and deletion of rows in tables -Retrieving data- Sorting and filtering retrieved data -Advanced data filteringData manipulation functions-Aggregate functions -Grouping data- Sub queries-Joining Tables- Set operators-Full text searching.(12L)

Topic No.	Topic name	No. of Ref/Text/website	Teaching Methodology	Duration	Cumulative Period
1.	Effectiveness of MySQL -MySQL Tools-Prerequisites for MySQL connection	T/1/2/3	LM	2 hrs	2 hrs
2.	MySQL data types	T/1/2/3	LM	1 hrs	3 hrs
3.	Creating and manipulating tables	T/1/2/3	LM	1 hrs	4 hrs
4.	Insertion-updation and deletion of rows in tables	T/1/2/3	LM	2 hrs	6 hrs
5.	Retrieving data- Sorting and filtering retrieved data -Advanced data filteringData manipulation functions	T/1/2/3	LM	2 hrs	8 hrs
6.	Aggregate functions -Grouping data- Sub queries	T/1/2/3	LM	2 hrs	10 hrs
7.	Joining Tables- Set operators-Full text searching	T/1/2/3	LM	2 hrs	12 hrs

UNIT-V

PHP with MySQL: Working MySQL with PHP-database connectivity- usage of MYSQLcommands in PHPprocessing result sets of queries- handling errors-debugging and diagnostic functionsvalidating user input through Database layer and Application layer-formatting query output with Character- Numeric- Date and time –sample database applications.(12L)

Topic No.	Topic name	No. of Ref/Text/website	Teaching Methodology	Duration	Cumulative Period
1.	Working MySQL with	T/1/2/3	LM	2hrs	2 hrs

	PHP-database connectivity				
2.	Usage of MYSQLcommands in PHPprocessing result sets of queries	T/1/2/3	LM	2 hrs	4 hrs
3.	Handling errors	T/1/2/3	LM	2 hrs	6 hrs
4.	Debugging and diagnostic functionsvalidating user input through Database layer and Application layer	T/1/2/3	Demo	2 hrs	8 hrs
5.	Formatting query output with Character- Numeric	T/1/2/3	Demo	2 hrs	10 hrs
6.	Date and time –sample database applications.	T/1/2/3	Demo	2 hrs	12 hrs

Text Books:

1. VIKRAM VASWANI- "PHP and MySQL"- McGraw-Hill- 2005

2. BEN FORTA - "MySQL Crash course " SAMS- 2006.

3 . Steven Holzner , The Complete reference PHP, Tata McGraw Hill,2008

Reference Books:

• Tim Converse- Joyce Park and Clark Morgan- "PHP 5 and MySQL" -Wiley India reprint - 2008.

• Robert Sheldon- Geoff Moes- "Beginning MySQL"-Wrox- 2005

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI
Department of Computer Science
COURSEPLAN

Class :III B.Sc (Computer Science)

Subject Name : PHP & MySQL Lab

Handled by : Mrs. X. Della

1. Create a simple HTML form and accept the user name and display the name through PHP echo statement.
2. Write a PHP script to redirect a user to a different page.
3. Write a PHP function to test whether a number is greater than 30, 20 or 10 using ternary operator
4. Create a PHP script which display the capital and country name from the given array. Sort the list by the name of the country
5. Write a PHP script to calculate and display average temperature, five lowest and highest temperatures.
6. Create a script using a for loop to add all the integers between 0 and 30 and display the total.
7. Write a PHP script using nested for loop that creates a chess board.
8. Write a PHP function that checks if a string is all lower case.
9. Write a PHP script to calculate the difference between two dates.
10. Write a PHP script to display time in a specified time zone

Topic No	Topic Name	Duration (hrs)	Cumulative Period(hrs)
1	Create a simple HTML form and accept the user name and display the name through PHP echo statement	6	6
2	Write a PHP script to redirect a user to a different page	6	12
3	Write a PHP function to test whether a number is greater than 30, 20 or 10 using ternary operator	6	18
4	Create a PHP script which display the capital and country name from the given array. Sort the list by the name of the country	6	24
5	Write a PHP script to calculate and display average temperature, five lowest and highest temperatures.	6	30
6	Create a script using a for loop to add all the integers between 0 and 30 and display the total.	6	36
7	Write a PHP script using nested for loop that creates a chess board	6	42
8	Write a PHP function that checks if a string is all lower case.	6	48
9	Write a PHP script to calculate the difference between two dates.	6	54
10	Write a PHP script to display time in a specified time zone	6	60

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Odd Semester)

Prepared by

Dr. N.N. Krishnaveni
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : Scripting Languages

Handled by : Dr.N.N.Krishna Veni

Unit – I

Introduction to Web programming and HTML Examining the Pieces of Web Programming: Creating a Simple Web Page - Creating a Dynamic Web Page - Storing Content. **The Basics of HTML5**: Diving into Document Structure - Looking at the Basic HTML5 Elements - Marking Your Text - Working with Characters - Making a List - Building Tables

12 Hours

Topic No.	Topic Name	No. of Ref/Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	Introduction to Web	T1	1 hr	1 hr	GD
2.	programming and HTML	T1	1 hr	2 hrs	GD
3.	Creating a Simple Web Page	T1	1 hr	3 hrs	PPT
4.	Creating a Dynamic Web Page	T1	1 hr	4 hrs	PPT
5.	Storing Content.	T1	1 hr	5 hrs	LM
6.	The Basics of HTML5	T1	1 hr	6 hrs	LM
7.	Diving into Document Structure	T1	1 hr	7 hrs	LM
8.	Looking at the Basic HTML5 Elements	T1	1 hr	8 hrs	GD
9.	Marking Your Text	T1	1 hr	9 hrs	GD
10.	Working with Characters	T1	1 hr	10 hrs	LM
11.	Making a List	T1	1 hr	11 hrs	LM
12.	Building Tables	T1	1 hr	12 hrs	LM

Unit - II

CSS and HTML Forms The Basics of CSS3: Understanding Styles - Styling Text - Working with the Box Model - Styling Tables - Positioning Elements. **HTML5 Forms:** Understanding HTML5 Forms - Using Input Fields - Adding a Text Area - Using Drop-Down Lists - Enhancing HTML5 Forms - Using HTML5 Data Validation

12 Hours

Topic	Topic Name	No. of	Duration	Cumulative	Teaching

No.		Ref/Text/ Website		Time	Methodology
1.	The Basics of CSS3	T1	1 hr	1 hr	GD
2.	Understanding Styles	T1	1 hr	2 hrs	GD
3.	Styling Text	T1	1 hr	3 hrs	GD
4.	Working with the Box Model	T1	1 hr	4 hrs	LM
5.	Styling Tables	T1	1 hr	5 hrs	LM
6.	Positioning Elements	T1	1 hr	6 hrs	LM
7.	Understanding HTML5 Forms	T1	1 hr	7 hrs	LM
8.	Using Input Fields	T1	1 hr	8 hrs	LM
9.	Adding a Text Area	T1	1 hr	9 hrs	LM
10.	Using Drop- Down Lists	T1	1 hr	10 hrs	LM
11.	Enhancing HTML5 Forms	T1	1 hr	11 hrs	LM
12.	Using HTML5 Data Validation	T1	1 hr	12 hrs	LM

Unit – III

Advanced CSS3: Rounding Your Corners - Using Border Images - Looking at the CSS3 Colors- Adding Shadows. HTML5 and Multimedia: Working with Images - Playing Audio - Watching Videos

12 Hours

Topic No.	Topic Name	No. of Ref/Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	**Advanced CSS3:** Rounding Your Corners	T1	1 hr	1 hr	GD
2.	Using Border Images	T1	2 hr	3 hrs	GD
3.	Looking at the CSS3 Colors	T1	1 hr	4 hrs	GD
4.	Adding Shadows.	T1	2 hr	6 hrs	LM
5.	HTML5 and Multimedia	T1	1 hr	7 hrs	LM
6.	Working with Images	T1	1 hr	8 hrs	LM
7.	Playing Audio	T1	2 hr	10 hrs	LM
8.	Watching Videos	T1	2 hr	12 hrs	LM

Unit – IV

JAVASCRIPT: Knowing Why You Should Use JavaScript - Seeing Where to Put Your JavaScript Code - The Basics of JavaScript - Controlling Program Flow - Working with Functions. Advanced JavaScript Coding: Understanding the Document Object Model - Finding Your Elements

12 Hours

Topic	Topic Name	No. of	Duration	Cumulative	Teaching

No.		Ref/Text/ Website		Time	Methodology
1.	Knowing Why You Should Use JavaScript Seeing	T1	1 hr	1 hr	GD
2.	Where to Put Your JavaScript Code	T1	2 hr	3 hrs	GD
3.	The Basics of JavaScript	T1	1 hr	4 hrs	GD
4.	Controlling Program Flow	T1	2 hr	6 hrs	LM
5.	Working with Functions.	T1	1 hr	7 hrs	LM
6.	Advanced JavaScript Coding:	T1	1 hr	8 hrs	LM
7.	Understanding the Document	T1	2 hr	10 hrs	LM
8.	Object Model Finding Your Elements	T1	2 hr	12 hrs	LM

Unit – V

Introduction to jQuery Using jQuery: Using jQuery Functions - Finding Elements - Replacing Data - Changing Styles Reacting to Events with JavaScript and jQuery: Understanding Events - Focusing on JavaScript and Events - Looking at jQuery and Events

12 Hours

Topic No.	Topic Name	No. of Ref/Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	Using jQuery	T1	1 hr	1 hr	GD
2.	Using jQuery Functions	T1	2 hr	3 hrs	GD
3.	Finding Elements	T1	1 hr	4 hrs	GD
4.	Replacing Data	T1	2 hr	6 hrs	LM
5.	Changing Styles	T1	1 hr	7 hrs	LM
6.	Understanding Events	T1	1 hr	8 hrs	LM
7.	Focusing on JavaScript and Events	T1	2 hr	10 hrs	LM
8.	Looking at jQuery and Events	T1	2 hr	12 hrs	LM

Text Book:

1. PHP, MySQL & Javascript for dummies - Richard Blum, Wiley Publishing – 2018 (Book:Chapter - 1:1, 2:1, 2:2, 2:3, 2:4, 2:5, 3:1, 3:2, 3:3, 3:4)

Reference Books:

1. MASTERING HTML, CSS & JavaScript Web Publishing – Laura Lemay, Rafe Coburn and Jennifer Kyrnin – BPB publishing – 2016

2. Beginning HTML, XTML, CSS and Java script - Jon Duckett - Wiley Publishing

3. Web Technologics for Beginners - Ashwin Mehta - Shroff Publishers & Distributors Pvt. Ltd.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI-1

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : Scripting Languages Lab

Handled by : Dr.N.N.Krishna Veni

1. Create a web page with HTML5 media elements.
2. Use CSS script to display different background-color for different tags including header, footer, nav etc. in a form. Use HTML5 data validation.
3. Develop a HTML Form, which accepts any Mathematical expression. Write JavaScript code to Evaluates the expression and Displays the result.
4. Write a JavaScript code to find the sum of N natural Numbers. (Use user-defined function)
5. Create a web page using two image files, which switch between one another as the mouse pointer moves over the image. Use the on Mouse Over and on Mouse Out event handlers.
6. Create a form having number of elements (Textboxes, Radio buttons, Checkboxes, and so on). Write JavaScript code to count the number of elements in a form.
7. Create a HTML form that has number of Textboxes. When the form runs in the Browser fill the textboxes with data. Write JavaScript code that verifies that all textboxes has been filled. If a textboxes has been left empty, popup an alert indicating which textbox has been left empty.
8. Create a form for Student information. Write JavaScript code to find Total, Average, Result and Grade.

60 Hrs

Topic No.	Topic name	Duration	Cumulative Period	Teaching Methodology
1.	Create a web page with HTML5 media elements	5 hrs	5 hrs	Demo
2.	Use CSS script to display different background-color for different tags including header, footer, nav etc. in a form. Use HTML5 data validation.	5 hrs	10 hrs	PPT & Demo
3.	Develop a HTML Form, which accepts any Mathematical expression. Write JavaScript code to Evaluates the expression and Displays the result.	10 hrs	20 hrs	PPT & Demo
4.	Write a JavaScript code to find the sum of N natural Numbers. (Use user-defined	5 hrs	25 hrs	PPT & Demo

	function)			
5.	Create a web page using two image files, which switch between one another as the mouse pointer moves over the image. Use the on Mouse Over and on Mouse Out event handlers.	10 hrs	30 hrs	PPT & Demo
6.	Create a form having number of elements (Textboxes, Radio buttons, Checkboxes, and so on). Write JavaScript code to count the number of elements in a form.	5 hrs	35 hrs	PPT & Demo
7.	Create a HTML form that has number of Textboxes. When the form runs in the Browser fill the textboxes with data. Write JavaScript code that verifies that all textboxes has been filled. If a textboxes has been left empty, popup an alert indicating which textbox has been left empty.	10 hrs	45 hrs	PPT & Demo
8.	Create a form for Student information. Write JavaScript code to find Total, Average, Result and Grade.	15 hrs	60 hrs	PPT & Demo

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI-1

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : III B.Sc (Computer Science)

Subject Name : Machine Learning Lab

Handled by : Dr.N.N.Krishna Veni

1. Data Visualization with Python Matplotlib
2. Pandas and Data frames
3. Datasets – Training Data, Test Data, Data Normalization
4. Linear Regression with Gradient Descent Optimizer
5. Logistic Regression
6. Support Vector Machines
7. K-Nearest Neighbors
8. Decision Trees
9. Naïve – Bayes
10. K-means Clustering

Topic No.	Topic name	Duration	Cumulative Period	Teaching Methodology
1.	Data Visualization with Python Matplotlib	5 hrs	5 hrs	Demo
2.	Pandas and Data frames	5 hrs	10 hrs	Demo
3.	Datasets – Training Data, Test Data, Data Normalization	10 hrs	20 hrs	Demo
4.	Linear Regression with Gradient Descent Optimizer	10 hrs	30 hrs	Demo
5.	Logistic Regression	10 hrs	40 hrs	Demo
6.	Support Vector Machines	5 hrs	45 hrs	Demo
7.	K-Nearest Neighbors	5 hrs	50 hrs	Demo
8.	Decision Trees	15 hrs	65 hrs	Demo
9	Naïve – Bayes	5 hrs	70 hrs	Demo
10.	K-means Clustering	5 hrs	75 hrs	Demo

Department of Computer Science

Course Plan

Class : III B.Sc (Computer Science)

Subject Name : Data Communication and Computer Networks

Handled by : Dr.N.N.Krishna Veni

Unit I:

Introduction - Data communication – Networks-the Internet –Protocols and Standards. **Network Models** –Layered tasks –OSI model- layers in OSI model-TCP/IP protocol Suit-Addressing.

12hrs

Topic No.	Topic Name	No. of Ref/Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	Introduction	T1	1 hr	1 hr	GD
2.	Data Communication	T1	1 hr	2 hrs	GD
3.	Networks	T1	1 hr	3 hrs	PPT
4.	The Internet	T1	1 hr	4 hrs	PPT
5.	Protocols and Standards	T1	1 hr	5 hrs	LM
6.	Network Models	T1	1 hr	6 hrs	LM
7.	Layered tasks	T1	1 hr	7 hrs	LM
8.	OSI model	T1	1 hr	8 hrs	GD
9.	Layers in OSI model	T1	1 hr	9 hrs	GD
10.	TCP/IP Protocol Suit	T1	1 hr	10 hrs	LM
11.	Addressing	T1	1 hr	11 hrs	LM
12.	Addressing	T1	1 hr	12 hrs	LM

Unit II:

Physical Layer – Analog and digital – Transmission Impairment – Data Rate limits – Performance – Transmission mode – Bandwidth Utilization – Multiplexing – Spread Spectrum – Transmission Media – Guided and Unguided Media

12hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology

1.	**Physical Layer** – Introduction	T1	1 hr	1 hr	GD
2.	Analog and digital	T1	1 hr	2 hrs	GD
3.	Transmission Impairment	T1	1 hr	3 hrs	PPT
4.	Data Rate limits	T1	1 hr	4 hrs	PPT
5.	Performance	T1	1 hr	5 hrs	LM
6.	Transmission mode	T1	1 hr	6 hrs	LM
7.	Bandwidth Utilization	T1	1 hr	7 hrs	LM
8.	Multiplexing	T1	1 hr	8 hrs	GD
9.	Spread Spectrum	T1	1 hr	9 hrs	GD
10.	Transmission Media	T1	1 hr	10 hrs	LM
11.	Guided	T1	1 hr	11 hrs	LM
12.	Unguided Media	T1	1 hr	12 hrs	LM

Unit III:

Switching – Circuit Switched Network – Datagram Network – Virtual Circuit Network – Structure of a switch – Using Telephone and Cable Networks – Telephone Network – Dial-Up modem – Digital Subscriber line – Cable TV Network and Cable TV for Data transfer

12hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	Switching, an Introduction	T1/R2	1hr	1 hr	GD
2.	Circuit Switched Network	T1/R2	1hr	2 hrs	GD
3.	Datagram Network	T1/R2	1hr	3 hrs	PPT
4.	Virtual Circuit Network	T1	1hr	4 hrs	PPT
5.	Structure of a switch	T1	1hr	5 hrs	LM
6.	Using Telephone and Cable Networks	T1	1hr	6 hrs	LM
7.	Telephone Network	T1	1hr	7 hrs	LM
8.	Dial-Up modem	T1	1hr	8 hrs	GD
9.	Digital Subscriber line	T1	1hr	9 hrs	GD
10.	Cable TV Network & Cable	T1	2hr	11 hrs	LM
11.	TV for Data transfer	T1/R1	1hr	12 hrs	LM

Unit IV:

Data Link Layer – Error Detection and Correction – Introduction – Checksum. Data Link Control – Framing – Flow and Error Control – Protocols – Noiseless channels – Noisy

Channels – Wired LANs – IEEE Standards – Standard Ethernet – Changes in the Standard – Fast Ethernet – Gigabit Ethernet

12hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	Data Link Layer – Error Detection and Correction	T1/R2	1hr	1 hr	GD
2.	Introduction – Checksum.	T1/R2	1hr	2 hrs	GD
3.	Data Link Control	T1/R2	1hr	3 hrs	PPT
4.	Framing	T1/R2	1hr	4 hrs	PPT
5.	Flow and Error Control	T1	1hr	5 hrs	LM
6.	Protocols	T1	1hr	6 hrs	LM
7.	Noiseless channels	T1	1hr	7 hrs	LM
8.	Noisy Channels	T1	1hr	8 hrs	GD
9.	Wired LANs – IEEE	T1	1hr	9 hrs	GD
10.	Standards Standard Ethernet - Changes in the Standard	T1	1hr	10 hrs	LM
11.	Fast Ethernet - Gigabit Ethernet	T1	2hr	12 hrs	LM

Unit V:

Wireless LANs : IEEE802.1– Bluetooth, Connecting LANs : Connecting devices, Backbone Networks, Wireless WANs : Cellular Telephony, Satellite Networks. Network layer – IPv4 Address – IPv6 Address – Internetworking. Transport Layer – Process to Process delivery – UDP – TCP Application Layer – Name Space – DNS – DNS in the Internet

12hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	WirelessLANs:IEEE802.1– Bluetooth	T1/R1	1 hr	1 hr	GD
2.	Connecting LANs : Connecting devices, Backbone Networks,	T1/R1	1 hr	2 hrs	GD
3.	Wireless WANs : Cellular	T1/R1	1 hr	3 hrs	PPT
4.	Telephony Satellite Networks	T1/R1	1 hr	4 hrs	PPT
5.	Network Layer – IPv4 Address	T1/R1	1 hr	5 hrs	LM
6.	IPv6 Address	T1/R1	1 hr	6 hrs	LM
7.	Internetworking	T1/R1	1 hr	7 hrs	LM
8.	Transport Layer – Process to Process	T1/R1	1 hr	8 hrs	GD

9.	UDP	T1/R1	1 hr	9 hrs	GD
10	TCP	T1/R1	1 hr	10 hrs	LM
11	Application Layer – Name Space	T1/R1	1 hr	11 hrs	LM
12	DNS in the Internet	T1/R1	1 hr	12 hrs	LM

Text Book

1. Data Communications and Networking, Behrouz A Forouzan, 4th Edition , McGraw Hill

Ref Books

1. Data Communications and Computer Networks" – PRAKASH C. GUPTA
2. Computer Networks Protocols , Standards and Interfaces – Uyless Black
3. Data Communications and Computer Networks" –Brijendra Singh

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : Machine Learning

Handled by : Dr.N.N.Krishnaveni

Unit I

INTRODUCTION : Introduction to analytics an Machine Learning – Why Machine Learning – Framework for Developing Machine Learning Models – Why Python - Python Stack for Data Science. **DESCRIPTIVE ANALYTICS:** Working with Data Frames in Python – Handling Missing vales – Exploration of Data using Visualization, Exercises.

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Cumulative Period(hrs)
1	Introduction to analytics an Machine Learning	T/1, R/1	1	1
2	Why Machine Learning Framework for Developing Machine Learning Models	T/1	2	3
3	Why Python Python Stack for Data Science.	T/1	1	4
4	Working with Data Frames in Python	T/1, R/1	1	6
5	Handling Missing vales	T/1, R/1	1	7
6	Exploration of Data using Visualization	T/1	1	8
7	Exercises	T/1	1	9

Unit II

LINEAR REGREION: Simple Linear Regression – Steps in Building a Regression Model - Building Simple Linear Regression Model – Model Diagnostics – Multiple Linear Regression - Exercises. **CLASSIFICATION PROBLEM**: Classification – Binary Logistic Regression – Credit Classification - Decision Tree - Exercises

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Cumulative Period(hrs)
1	Simple Linear Regression – Steps in Building a Regression Model	T/1	1	1
2	Building Simple Linear Regression Model – Model Diagnostics	T/1	2	3
3	Multiple Linear Regression - Exercises.	T/1,R/1	2	5
4	Classification – Binary Logistic	T/1, R/1	1	6
5	Regression	T/1, R/1	1	7
6	Credit Classification	T/1	1	8
7	Decision Tree - Exercises	T/1	3	9

Unit III

ADVANCED MACHINE LEARNING: Overview – Gradient r Algorithm – Scikit-Learn Library for Machine Learning – Advanced Regression Model – Advanced Machined Machine Learning Algorithm – Exercises.

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Cumulative Period(hrs)
1	**ADVANCED MACHINE LEARNING:** Overview – Gradient r Algorithm	T/1	1	1
2	Scikit- Learn Library for Machine Learning	T/1,R/1	1	2
3	Advanced Regression Model	T/1,R/1	2	4
4	Advanced Machined Machine	T/1	2	6
5	Learning Algorithm	T/1, R/1	1	7
6	Exercises.	T/1	2	9

Unit IV

CLUSTERING: Overview – How does Clustering works – K-Means clustering - Creating Product Segments Using Clustering – Hierarchical Clustering. RECOMENDER SYSTEMS: Datasets – Association Rules – Collaborative Filtering – Matrix Factorization – Exercises.

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Cumulative Period(hrs)
1	**LUSTERING**: Overview – How does Clustering works	T/1, R/1	1	1
2	K-Means clustering - Creating	T/1	2	3

	Product Segments Using Clustering			
3	Hierarchical Clustering.	T/1	1	4
4	RECOMENDER SYSTEMS: Datasets	T/1, R/1	1	5
5	Association Rules – Collaborative Filtering	T/1, R/1	2	7
6	Matrix Factorization	T/1, R/1	1	8
7	Exercises.	T/1, R/1	1	9

Unit V

TEXT ANALYTICS: Overview - Sentiment Classification – Naïve-Bayes Model for Sentiment Classification - Using Tf-IDF Vectorizer – Challenges – Exercises.

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Cummulative Period(hrs)
1	TEXT ANALYTICS: Overview - Sentiment Classification	T/1	1	1
2	Naïve-Bayes Model for Sentiment Classification	T/1	1	2
3	Using Tf	T/1	2	4
4	IDF Factorize	T/1, R/1	2	6
5	Challenges	T/1, R/1	1	7
6	Exercises.	T/1	2	9

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Odd Semester)

X. R. Jenifer

Prepared by

Mrs. X. R.Jenifer
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

R. Wal

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI
DEPARTMENT OF COMPUTER SCIENCE
COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : Discrete Mathematics

Handled by : Mrs. X.R.Jennifer

Unit – I: RELATIONS Introduction to Relations – Binary relation – Classification of Relations – Composition of Relations – Inverse of Relation – Closure operation on Relations – Matrix representation of Relation - digraphs.

Hours : 9

Topic No.	Topic Name	No. of Ref./Textbook/Web Site	Duration	Cumulative Period	Teaching Methodology
1.	Introduction to Relations	T/1, R/1	1 Hour	1 Hour	LM
2.	Binary relation	T/1, R/1	1 Hour	2 Hours	LM
3.	Classification of Relations	T/1, R/1	1 Hour	3 Hours	LM
4.	Composition of Relations	T/1, R/1	1 Hour	4 Hours	LM
5.	Inverse of Relation	T/1, R/1	1 Hour	5 Hours	LM
6.	Closure operation on Relations	T/1, R/1	1 Hour	6 Hours	LM
7.	Matrix representation of Relation	T/1, R1	1 Hour	7 Hours	LM
8.	Digraphs	T/1, R1	2 Hours	9 Hours	LM

Unit – II: FUNCTIONS Introduction to Functions – Addition and Multiplication of Functions - Classifications of Functions – Composition of Function – Inverse Function.

Hours : 6

Topic No.	Topic Name	No. of Ref./Textbook/Web Site	Duration	Cumulative Period	Teaching Methodology
1.	Introduction to Functions	T/1	1 Hour	1 Hour	LM
2.	Addition and Multiplication of Functions	T/1	1 Hour	2 Hours	LM
3.	Classifications of Functions	T/1	1 Hour	3 Hours	LM
4.	Composition of Function	T/1	1 Hour	4 Hours	LM
5.	Inverse Function	T/1	2 Hours	6 Hours	LM

Unit – III: MATHEMATICAL LOGIC Introduction – Statement (Propositions) – Laws of Formal Logic –Basic Set of Logical operators/operations - Propositions and Truth Tables –

Algebra Propositions - Tautologies and Contradictions – Logical Equivalence – Logical Implication – Normal Forms.
Hours :10

Topic No.	Topic Name	No. of Ref./Textbook /Website	Duration	Cumulative Period	Teaching Methodology
1.	Introduction	T/1	1 Hour	1 Hour	LM
2.	Statement (Propositions)	T/1	1 Hour	2 Hours	LM
3.	Laws of Formal Logic	T/1	1 Hour	3 Hours	LM
4.	Basic Set of Logical operators/operations	T/1	1 Hour	4 Hours	LM
5.	Propositions and Truth Tables	T/1	1 Hour	5 Hours	LM
6.	Algebra Propositions	T/1	1 Hour	6 Hours	LM
7.	Tautologies and Contradictions	T/1	1 Hours	7 Hours	LM
8.	Logical Equivalence	T/1	1 Hours	8 Hours	LM
9.	Logical Implication	T/1	1 Hours	9 Hours	LM
10.	Normal Forms	T/1	1 Hours	10 Hours	LM

Unit – IV: MATRIX ALGEBRA Introduction – Definition of a Matrix - Types of Matrices – Operations on Matrices – Related Matrices – Transpose of a Matrix – Symmetric and Skew-symmetric Matrices – Complex Matrix – Conjugate of a Matrix – Determinant of a Matrix – Typical Square Matrices – Adjoint and Inverse of a Matrix – Singular and Non-singular Matrices – Adjoint of a Square Matrix – Properties of Adjoint of a Matrix – Properties of Inverse of a Matrix. **(10L)**

Hours : 10 Hours

Topic No.	Topic Name	No. of Ref./Textbook /Website	Duration	Cumulative Period	Teaching Methodology
1.	Introduction, Definition of a Matrix, Types of Matrices	T/1	1 Hour	1 Hour	LM
2.	Operations on Matrices, Related Matrices, Transpose of a Matrix	T/1	1 Hour	2 Hours	LM
3.	Symmetric and Skew-symmetric Matrices, Complex Matrix	T/1	1 Hour	3 Hours	LM
4.	Conjugate of a Matrix	T/1	1Hour	4 Hours	LM

5.	Determinant of a Matrix,Typical Square Matrices	T/1	1 Hour	5 Hours	LM
6.	Adjoint and Inverse of a Matrix	T/1	1 Hour	6 Hours	LM
7.	Singular and Non-singular Matrices	T/1	1 Hour	7 Hours	LM
8.	Adjoint of a Square Matrix	T/1	1 Hour	8 Hours	LM
9.	Properties of Adjoint of a Matrix	T/1	1 Hour	9 Hours	LM
10.	Properties of Inverse of a Matrix	T/1	1 Hour	10 Hours	LM

Unit – V: GRAPH Introduction – Graph and Basic Terminologies – Types of Graphs – Sub Graph and Isomorphic Graph – Operations on Graphs – Representation of Graph.

Hours :10 Hours

Topic No.	Topic Name	No. of Ref./Textbook /Website	Duration	Cumulative Period	Teaching Methodology
1.	Introduction	T/1,R/2	1 Hour	1 Hour	PPT
2.	Graph and Basic Terminologies	T/1,R/2	1 Hour	2 Hours	PPT
3.	Types of Graphs	T/1,R/2	1 Hour	3 Hours	PPT
4.	Sub Graph and Isomorphic Graph	T/1,R/2	2 Hours	5 Hours	PPT
5.	Operations on Graphs	T/1,R/2	3 Hours	8 Hours	PPT
6.	Representation of Graph.	T/1,R/2	2 Hours	10 Hours	PPT

Text Book: DISCRETE MATHEMATICS, Swapan Kumar Chakraborty and Bikash Kanti Sarkar, OXFORD University Press.

Reference Books:

1. DISCRETE MATHEMATICS, Third Edition, Seymour Lipschutz and Marc Lars Lipson, Tata McGraw Hill Education Private Limited.

2. Discrete Mathematical Structures with Aplications to Computer Science by J.P.Tremblay, R.Manohar TMH edition

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : Java Programming

Handled by : Mrs. X.R.Jenifer

UNIT I

Class, Objects, Inheritances, Arrays, Strings:

Classes, Objects and methods: Defining A Class – Fields Declaration – Methods Declaration – Creating Objects – Accessing Class Members – Constructors – Methods Overloading – Static Members – Nesting Of Methods. Extending a Class – Overriding Methods – Final – Variables, Methods And Classes – Finalizer Methods. (12L+3T)

S.No	Topic	Number of Ref/Textbook	Duration	Cumulative Period	Teaching Methodology
1.	Classes, Objects and methods	T/1	1 Hr	1 Hr	LM
2.	Defining A Class	T/1	1 Hr	2 Hrs	LM
3.	Fields Declaration – Methods Declaration	T/1	1 Hr	3 Hrs	Demo
4.	Creating Objects	T/1	1 Hr	4 Hrs	LM
5.	Accessing Class Members	T/1	1 Hr	5 Hrs	LM
6.	Constructors	T/1	2 Hr	7 Hrs	LM/Demo
7.	Methods Overloading	T/1/Online	1 Hr	8 Hrs	LM/Tutorial
8.	Static Members	T/1	1 Hr	9 Hrs	LM
9.	Nesting Of Methods	T/1	1Hr	10 Hrs	LM
10.	Extending a Class	T/1/Online	1 Hr	11 Hrs	LM/Tutorial
11.	Overriding Methods	T/1	1 Hr	12 Hrs	LM
12.	Final – Variables, Methods And Classes	T/1/Online	2 Hr	14 Hrs	LM/Tutorial
13.	Finalizer Methods	T/1	1 Hr	15 Hrs	LM

UNIT II

Arrays, Strings, Interfaces and Packages: One-Dimensional Arrays – Creating An Array – Two-Dimensional Arrays – Strings. Interfaces: Defining Interfaces – Extending Interfaces – Implementing Interfaces – Accessing Interface Variables. Java API Packages – Using System Packages – Naming Conventions – Creating Packages - Accessing A Package – Using A Package – Adding Classes To A Package – Using a Package – Adding class to a Package – Hiding Classes – Static Import.

(12L+3T)

S.No.	Topic	Number of Ref/Textbook	Duration	Cumulative Period	Teaching Methodology
1.	One-Dimensional Arrays	T/1	1 Hr	1 Hr	LM
2.	Creating An Array	T/1	1 Hr	2 Hrs	LM
3.	Two-Dimensional Arrays	T/1	1 Hr	3 Hrs	LM
4.	Strings	T/1	1 Hr	4 Hrs	LM/Demo
5.	Interfaces: Defining	T/1	1 Hr	5 Hrs	LM

	Interfaces				
6.	Extending Interfaces – Implementing Interfaces - Accessing Interface Variables	T/1/Online	1 Hr	6 Hrs	LM/Tutorial
7.	Java API Packages	T/1	1 Hr	7 Hrs	LM
8.	Using System Packages	T/1	1 Hr	8 Hrs	LM
9.	Naming Conventions – Creating Packages —	T/1	1 Hr	9 Hrs	LM/Demo
10.	Accessing A Package – Using A Package	T/1/Online	2 Hr	11 Hrs	LM/Tutorial
11.	Adding Classes To A Package	T/1	1 Hr	12 Hrs	LM
12.	Using a Package – Adding class to a Package	T/1/Online	2 Hr	14 Hrs	LM/Tutorial
13.	Hiding Classes – Static Import	T/1	1 Hr	15 Hrs	LM

UNIT III

Multithreading and Exceptions: Creating Threads – Extending Thread Class – Stopping And Blocking A Thread – Life Cycle Of A Thread – Using Thread Methods – Thread Exceptions – Thread Priority – Synchronization – Implementing Runnable Interface. Managing Errors and Exceptions: Types Of Errors – Exceptions – Syntax Of Exception Handling Code – Multiple Catch Statements – Finally Statement – Throwing Our Own Exceptions – Using Exceptions For Debugging. (12L+3T)

S.No	Topic	Number of Ref/Textbook	Duration	Cumulative Period	Teaching Methodology
1.	Creating Threads	T/1	1 Hr	1 Hr	LM
2.	Extending Thread Class	T/1/Online	2 Hr	3 Hrs	LM/Tutorial
3.	Stopping And Blocking A Thread	T/1	1 Hr	4 Hrs	LM
4.	Life Cycle Of A Thread	T/1	1 Hr	5 Hrs	LM
5.	Using Thread Methods	T/1	1 Hr	6 Hrs	LM/Demo
6.	Thread Exceptions	T/1	1 Hr	7 Hrs	LM
7.	Thread Priority – Synchronization	T/1	1 Hr	8 Hrs	LM
8.	Implementing Runnable Interface.	T/1/Online	1 Hr	9 Hrs	LM/Tutorial
9.	Managing Errors and Exceptions:	T/1	1 Hr	10 Hrs	LM
10.	Types Of Errors – Exceptions	T/1/Online	2 Hr	12 Hrs	LM/Tutorial
11.	Exceptions – Syntax Of Exception Handling Code	T/1	1 Hr	13 Hrs	LM
12.	Multiple Catch Statements – Finally Statement	T/1	1 Hr	14 Hrs	LM
13.	Throwing Our Own Exceptions – Using Exceptions For Debugging	T/1	1 Hr	15 Hrs	LM/Demo

UNIT IV

Applet Programming

Applet Programming: How Applets Differ From Applications? – Preparing Applets – Building Applet Code – Applet Life Cycle – Creating An Executable Applet – Designing A Web Page – Applet Tag – Adding Applet To HTML File – Running Applet - More About Applet Tag - Passing Parameters To Applets – Aligning The Display – Displaying Numerical Values. (12L+3T)

S.No	Topic	Number of Ref/Textbook	Duration	Cumulative Period	Teaching Methodology
1.	Applet Programming: How Applets Differ From Applications?	T/1	1 Hr	1 Hr	LM
2.	Preparing Applets	T/1/Online	2 Hr	3 Hrs	LM/Tutorial
3.	Building Applet Code	T/1	1 Hr	4 Hrs	LM
4.	Applet Life Cycle	T/1	1 Hr	5 Hrs	LM
5.	Creating An Executable Applet	T/1	1 Hr	6 Hrs	LM/Demo
6.	Designing A Web Page	T/1/Online	1 Hr	7 Hrs	LM/Tutorial
7.	Applet Tag	T/1	1 Hr	8 Hrs	LM
8.	Adding Applet To HTML File	T/1/Online	1 Hr	9 Hrs	LM/Tutorial
9.	Running Applet	T/1	2 Hr	11 Hrs	LM/Demo
10.	More About Applet Tag	T/1	1 Hr	12 Hrs	LM
11.	Passing Parameters To Applets	T/1	1 Hr	13 Hrs	LM
12.	Aligning The Display	T/1	1 Hr	14 Hrs	LM
13.	Displaying Numerical Values	T/1	1 Hr	15 Hrs	LM/Demo

UNIT V

Event Handling and Graphics Programming

Getting Input from User – Event Handling. The Graphics Class – Drawing Lines, Rectangles, Circles, Ellipses, Arcs, Polygons – Line Graphs – Using Control Loops in Applets – Drawing Bar Charts – Introducing to AWT Package. (12L+3T)

S.No.	Topic	Number of Ref/Textbook	Duration	Cumulative Period	Teaching Methodology
1.	Getting Input from User-Event Handling.	T/1	2 Hr	2 Hr	LM
2.	The Graphics Class	T/1/Online	2 Hr	4 Hrs	LM/Tutorial
3.	Drawing Lines, Rectangles, Circles, Ellipses, Arcs, Polygons	T/1	2 Hr	6 Hrs	LM
4.	Line Graphs	T/1	2 Hr	8 Hrs	LM
5.	Using Control Loops in Applets	T/1/Online	2 Hr	10 Hrs	LM/Tutorial
6.	Drawing Bar Charts	T/1	2 Hr	12 Hrs	LM/Demo
7.	Introducing to AWT Package.	T/1/Online	3 Hr	15 Hrs	LM/Tutorial

TEXT BOOK: Programming with Java A Primer – E.Balagurusamy, McGraw Hill- Fourth Edition

REFERENCE BOOKS: Java2 – Complete Reference – Herbert Schildt, McGraw Hill Publications

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class: II B.Sc (Computer Science)

Subject Name: Java Programming Lab

Handled by: Mrs. X.R.Jenifer

1. Write a JAVA program using Multiple Constructors.
2. Write a JAVA program using different types of inheritance.
3. Write a JAVA program using Overriding Methods.
4. Write a JAVA program using one-dimensional arrays.
5. Write a JAVA program using Two-dimensional arrays.
6. Write a JAVA program implementing interface(s).
7. Write a JAVA program to create and import package.
8. Write a JAVA program to create and deal multiple threads
9. Write a JAVA program with throwing your own exception.
10. Write a JAVA program using Applet to Design a Web Page.
11. Write a JAVA program using Applet to Display.
12. Write a JAVA program for handling mouse events.
13. Write a JAVA program for handling keyboard events.

S.no	Topic	Duration	Cumulative Period	Teaching Methodology
1.	Multiple Constructors	2 hrs	2 hrs	Demo
2.	Types of inheritance	2 hrs	4 hrs	Demo
3.	Overriding Methods	2 hrs	6 hrs	Demo
4.	One-dimensional arrays.	2 hrs	8 hrs	Demo
5.	Two-dimensional arrays	2 hrs	10 hrs	Demo
6.	Implementing interface(s)	2 hrs	12 hrs	Demo
7.	Create and import package	2 hrs	14 hrs	Demo
8.	Multiple threads	2 hrs	16 hrs	Demo
9.	Throwing your own exception	2 hrs	18 hrs	Demo
10.	Applet to Design a Web Page	2 hrs	20 hrs	Demo
11.	Applet to Display	2 hrs	22 hrs	Demo
12.	Handling mouse events	2 hrs	24 hrs	Demo
13.	Handling Keyboard events	2 hrs	26 hrs	Demo

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : III B.Sc (Computer Science)

Subject Name : Cloud Computing

Handled by : Mrs. X.R.Jenifer

UNIT-I

Introduction to cloud computing- History of cloud computing. Fundamentals of the cloud computing ecosystem. Cloud computing characteristics. Technical characteristics of cloud computing Basic characteristics of cloud computing- Advantages and disadvantages of cloud computing. Comparison of traditional and cloud computing paradigms. Cluster computing- Grid computing.. Cloud computing Evaluating the cloud's business impact and economics Business drivers of cloud computing adoption. Future of the cloud (FoC). Cloud Services and Deployment Models. Objectives. Cloud deployment models. Public (external) cloud. Private/Internal/Corporate cloud. Hybrid cloud. Cloud Service Models- Infrastructure-as-a Service (laas) Platform-as-a-Service (Paas). Software as a-Service (Saas) Cloud infrastructure mechanisms Logical network perimeter (LNP) Virtual server. Cloud storage devices (CSD) Cloud usage monitor -Resource replication. Ready-made environment. Cloud service management. **(12 hrs)**

Topic No.	Topic name	No. of Ref/Text/website	Duration	Cumulative Period	Teaching Methodology
1.	Introduction to cloud computing- History of cloud computing. Fundamentals of the cloud computing ecosystem	T/1	1hr	1 hrs	LM
2.	Cloud computing characteristics. Technical characteristics of cloud computing Basic characteristics of cloud computing	T/1	1 hr	2 hrs	LM
3.	Advantages and disadvantages of cloud computing. Comparison of traditional and cloud computing paradigms	T/1	1 hr	3 hrs	GD
4.	Cluster computing- Grid computing	T/1	1 hr	4 hrs	LM
5.	Cloud computing Evaluating the cloud's business	T/1	1 hr	5 hrs	GD

	impact and economics Business drivers of cloud computing adoption.				
6.	Future of the cloud (FoC). Cloud Services and Deployment Models.	T/1	1 hr	6 hrs	LM
7.	Cloud deployment models. Public (external) cloud. Private/Internal/Corporate cloud. Hybrid cloud.	T/1	1 hrs	7 hrs	GD
8.	Cloud Service Models-Infrastructure-as-a Service (laas) Platform-as-a-Service (Paas). Software as a-Service (Saas)	T/1	1 hrs	8 hrs	LM
9	Cloud infrastructure mechanisms	T/1	1 hr	9 hrs	LM
10	Logical network perimeter (LNP) Virtual server.	T/1	1 hr	10 hrs	LM
11	Cloud storage devices (CSD) Cloud usage monitor	T/1	1 hrs	11hrs	LM
12	Resource replication. Ready-made environment. Cloud service management.	T/1	1 hr	12hrs	LM

UNIT-II

Cloud Computing Architecture.. Objectives. Cloud computing architecture design principles. Cloud computing life cycle (CCLC). Phase 1- Architect. Phase 2- Engage Phase 3- Operate. Phase 4- Refresh .Cloud computing reference architecture Load balancing approach Mobile cloud computing (MCC). Mobile computing features. Challenges. Mobile cloud computing architecture. Virtualization Technology. Objectives. Understanding virtualization Adopting virtualization. Techniques of virtualization. How virtualization works? XEN- Kernel-based virtual machine (KVM). VMware. Virtual Box –Citrix.Types of Virtualization Data virtualization-Desktop virtualization -CPU virtualization Network virtualization. Storage virtualization -Server virtualization. Virtualization in Cloud **(12L)**

Topic No.	Topic name	No. of Ref/Text/website	Duration	Cumulative Period	Teaching Methodology
1.	Cloud Computing Architecture-Objectives.	T/1	1 hr	1 hr	LM

2.	Cloud computing architecture design principles	T/1	1hr	2 hrs	LM
3.	Cloud computing life cycle (CCLC). Phase 1- Architect. Phase 2- Engage Phase 3- Operate.. Phase 4- Refresh	T/1	1hr	3 hrs	LM
4.	Cloud computing reference architecture Load balancing approach	T/1	1 hr	4 hrs	LM
5.	Mobile cloud computing (MCC). Mobile computing features.. Challenges.	T/1	1 hr	5 hrs	GD
6.	Mobile cloud computing architecture.	T/1	1 hr	6 hrs	LM
7.	Virtualization Technology. Objectives. Understanding virtualization	T/1	1 hr	7 hrs	LM
8.	Adopting virtualization. Techniques of virtualization. How virtualization works?	T/1	1 hr	8 hrs	LM
9.	XEN- Kernel-based virtual machine (KVM). VMware. Virtual Box –Citrix	T/1	1 hr	9 hrs	LM
10.	Types of Virtualization Data virtualization- Desktop virtualization	T/1	1 hr	10 hrs	LM

11.	CPU virtualization - Network virtualization.	T/1	1 hr	11 hrs	LM
12.	Storage virtualization - Server virtualization. Virtualization in Cloud	T/1	1 hr	12 hrs	LM

UNIT-III

Service oriented Architecture Objectives SOA foundation.. Web Services and SOA .SOA communication. SOA components. SOA Infrastructure. Need of SOA. Business Process Management (BPM).Business Process Management Platform as a Service - BPM PaaS Business Process as a Service-BPaaS. Cloud Security and Privacy... Objectives. Cloud security - Cloud CIA security model.. Data confidentiality Data integrity.. Data availability., Cloud computing security architecture Service provider security issues. Security issues in virtualization. Cloud legal issues . Performance monitoring and management of cloud services Legal issues in cloud computing Data security in cloud .The cloud risk management framework. Risk management process for cloud consumers- Requirement for risk management in ISO/IEC 27001- Data privacy risks in the cloud. Availability risks. Service provisioning risks . **(12L)**

Topic No.	Topic name	No. of Ref/Text/website	Duration	Cumulative Period	Teaching Methodology
1.	Service oriented Architecture Objectives SOA foundation	T/1	1 hr	1 hr	LM
2.	Web Services and SOA. SOA communication. SOA components	T/1	1 hr	2 hrs	LM
3.	SOA Infrastructure. Need of SOA	T/1	1 hr	3 hrs	LM
4.	Business Process Management (BPM).	T/1	1 hr	4 hrs	LM
5.	Business Process Management Platform as a Service	T/1	1 hr	5 hrs	LM
6.	BPM PaaS Business Process	T/1	1 hr	6 hrs	GD

	as a Service-BPaaS.				
7.	Cloud Security and Privacy... Objectives	T/1	1 hr	7 hrs	GD
8.	Cloud security - Cloud CIA security model. Data confidentiality Data integrity.. Data availability., Cloud computing security architecture	T/1	1 hr	8 hrs	LM
9.	Service provider security issues. Security issues in virtualization.	T/1	1 hr	9 hrs	LM
10.	Cloud legal issues. Performance monitoring and management of cloud services Legal issues in cloud computing Data security in cloud	T/1	1 hr	10 hrs	GD
11.	The cloud risk management framework. Risk management process for cloud consumers- Requirement for risk management in ISO/IEC 27001	T/1	1 hr	11 hrs	LM
12.	Data privacy risks in the cloud. Availability risks. Service provisioning risks.	T/1	1 hr	12 hrs	LM

UNIT-IV

Business continuity and disaster recovery Disaster recovery requirements... Mechanisms for cloud disaster recovery. Disaster recovery as a service. The cloud disaster recovery

architecture. Challenges of the cloud disaster recovery. Threats in cloud. Security techniques for threats protection. Cloud service level agreements (SLA) practices Components of a cloud SLA. Types of SLAS. Cloud vendors. Issues of Quality of Cloud Services. Techniques for providing QoS to the cloud applications. Migration of a local server into cloud.. Preliminary checklist/planning for migration. Migration steps. Types of migration for cloud-enabled applications.. Trust management. Trust management evaluation attributes. Cloud trust management techniques Cloud Computing Applications.. Objectives. Introducing cloud computing applications Google App Engine. Google Apps. Gmail. Google Docs.. Google Calendar Google Drive. Google Cloud Data store. Drop box Cloud. Apple iCloud Microsoft Windows Azure Cloud. Amazon Web Services (AWS) Amazon Elastic Compute Cloud (Amazon EC2) Amazon Simple Storage Service (S3). (12L)

Topic No.	Topic name	No. of Ref/Text/website	Duration	Cumulative Period	Teaching Method
1.	Business continuity and disaster recovery Disaster recovery requirements	T/1	1 hr	1 hr	LM
2.	Mechanisms for cloud disaster recovery. Disaster recovery as a service.	T/1	1 hr	2 hrs	LM
3.	The cloud disaster recovery architecture. Challenges of the cloud disaster recovery.	T/1	1 hr	3 hrs	LM
4.	Threats in cloud. Security techniques for threats protection.	T/1	1 hr	4 hrs	GD
5.	Cloud service level agreements (SLA) practices Components of a cloud SLA. Types of SLAS.	T/1	1 hr	5 hrs	LM
6.	Cloud vendors. Issues of Quality of Cloud Services. Techniques for providing QoS to the cloud applications. Migration of a	T/1	1 hr	6 hrs	LM

	local server into cloud.				
7.	Preliminary checklist/planning for migration. Migration steps. Types of migration for cloud-enabled applications.	T/1	1 hr	7 hrs	LM
8.	Trust management. Trust management evaluation attributes. Cloud trust management techniques	T/1	1 hr	8 hrs	LM
9.	Cloud Computing Applications.. Objectives. Introducing cloud computing applications Google App Engine.	T/1	1 hr	9 hrs	GD
10.	Google Apps. Gmail. Google Docs.. Google Calendar Google Drive.	T/1	1 hr	10 hrs	Demo
11.	Google Cloud Data store. Drop box Cloud. Apple iCloud Microsoft Windows Azure Cloud.	T/1	1 hr	11 hrs	Demo
12.	Amazon Web Services (AWS) Amazon Elastic Compute Cloud (Amazon EC2) Amazon Simple Storage Service (S3).	T/1	1 hr	12 hrs	LM

UNIT-V

Cloud Computing Technologies, Platforms and Services. Objectives. High-performance computing with cloud technologies. Message Passing Interface (MPI). Map Reduce programming model. Dryad and DryadLINQ.. Eucalyptus cloud platform. Components of Eucalyptus OpenNebula cloud platform. Layers of OpenNebula Features of OpenNebula. OpenStack cloud platform.. OpenStack components Benefits of Open Stack.. Nimbus Cloud Computing Platform Features of Nimbus. The Apache Hadoop ecosystem Architecture of IHladoop Major components of Hadoop. Hadoop and cloud.. Adoption of Cloud Computing. Objectives. Adoption of cloud computing in the current era Factors affecting cloud computing adoption. Technological factors. Organizational factors Environmental factors.. Cloud computing existing areas of application.. Cloud computing in education. Cloud computing in healthcare. Cloud computing in politics. Cloud computing in business. Cloud computing in agriculture. Case studies Cloud computing adoption in Sub-Saharan Africa. Cloud computing adoption in India. Cloud computing certifications Google Cloud Certifications.. IBM Cloud Certifications.. Amazon Web Services (AWS) Cloud Certifications. **(12L)**

Topic No.	Topic name	No. of Ref/Text/website	Duration	Cumulative Period	Teaching Method
1.	Cloud Computing Technologies, Platforms and Services. Objectives	T/1	1 hr	1 hr	LM
2.	High-performance computing with cloud technologies.Message Passing Interface (MPI).	T/1	1 hr	2 hrs	LM
3.	Map Reduce programming model. Dryad and DryadLINQ.	T/1	1 hr	3 hrs	LM
4.	Eucalyptus cloud platform. Components of Eucalyptus OpenNebula cloud platform. Layers of OpenNebula Features of OpenNebula.	T/1	1 hr	4 hrs	LM
5.	OpenStack cloud platform. OpenStack components Benefits of Open Stack	T/1	1 hr	5 hrs	LM
6.	Nimbus Cloud Computing Platform Features of Nimbus.	T/1	1 hr	6 hrs	LM
7.	The Apache Hadoop ecosystem Architecture of Hadoop.Major components of	T/1	1 hr	7 hrs	LM

	Hadoop. Hadoop and cloud.				
8.	Adoption of Cloud Computing. Objectives. Adoption of cloud computing in the current era Factors affecting cloud computing adoption.	T/1	1 hr	8 hrs	LM
9.	Technological factors. Organizational factors-Environmental factors	T/1	1 hr	9 hrs	LM
10.	Cloud computing existing areas of application.. Cloud computing in education. Cloud computing in healthcare.	T/1	1 hr	10 hrs	GD
11.	Cloud computing in politics. Cloud computing in business. Cloud computing in agriculture.	T/1	1 hr	11 hrs	GD
12.	Case studies Cloud computing adoption in Sub-Saharan Africa. Cloud computing adoption in India. Cloud computing certifications Google Cloud Certifications.. IBM Cloud Certifications.. Amazon Web Services (AWS) Cloud Certifications.	T/1	1 hr	12 hrs	LM

Text Book:

Cloud Computing, Kamal Kant Hiran,Ruchi Dosai, Temitayo Fagbola,Mehul Mahrishi, BPB publication, First edition 2019.

Reference Book:

1. Cloud Computing, V. K. Pachghare, PHI Learning Pvt Ltd, 2016
2. Cloud Computing, Anthony T.Velte, Toby J.Velte, Pobert Elsenpeter, TMH, 2010

3. Cloud Computing Bible, Barrie Sosinsky, Wiley Publishing, Inc

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF PSYCHOLOGY

COURSE PLAN -ODD SEMESTER (2022-23)

Class: I B. Sc

Subject: General psychology I

Total: 60 hours

UNIT I: INTRODUCTION AND METHODS **Hrs:13**

What is Psychology? Definition – Goals – What is not psychology? Pseudo psychologies. The History of Psychology– Schools - Modern Perspectives – Psychology in India – Psychology: The Science – Methods: Introspection – Observation – Survey – Experiment – Case Study – Correlation Research – Scope of Psychology: Branches of basic Psychology – Branches of applied Psychology

S.no	Topic	No of Reference / Text Books / Online	Duration (Hrs)	Cumulative period (Hrs)
1.	What is Psychology	RB / OL	4	4
2	History of Psychology	TB / RB / OL	4	8
3	The Science Methods	TB/RB/ OL	5	13

UNIT II

Hrs:12

Definition – General Psychophysical Properties: threshold sensitivity – signal detection – sensory coding; Vision: Visual system - Light and vision - Visual Properties – Structure and components of Eye - Optic nerve; Auditory sense: Auditory properties – sound waves and hearing; Olfaction – Gustation – Pressure and Temperature - Pain

S.No	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	General Psychophysical Properties	RB/ TB/ OL	3	3
2.	Vision and auditory	RB/ OL	3	6
3.	Olfaction	RB/ TB/ OL	2	8
4.	Pressure and Temperature	RB/ OL	4	12

UNIT III **Hrs:12**

Selective attention; physiological correlates of attention; Internal influences on perception-learning – set - motivation & emotion - cognitive styles; External influences on perception-figure and ground separation – movement – organization – illusion;
Internal- external interactions: Constancy -Depth Perception- Binocular &Monocular Perception; Perceptual defense &Perceptual vigilance; Sensory deprivation -Sensory bombardment; ESP - Social Perception.

S.No	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Selective attention	RB/ TB	4	4
2.	motivation & emotion	RB / TB	4	8
3.	Perceptual defense	RB/ TB	4	12

UNIT IV **Hrs: 12**

States of Consciousness: Consciousness – Definition – Two Major Types – Natural State of Consciousness - Dream – Theories. Altered States of Consciousness-meaning – Hypnosis – Use of Drugs – Meditation – Other Altered States. Sensory deprivation- Near death Experience-Lucid dreaming

S.no	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	States of Consciousness	RB/ OL	3	3
2.	Stress and coping	RB/ OL	4	7
3.	Coping mechanism	RB/ OL	5	12

UNIT V **Hrs:11**

Learning: Definition – Nature- Association Learning – Classical Conditioning – Basic Principles; Operant Conditioning – Basic Principles – Reinforcement – Types – Punishment – Types. Schedules of Reinforcement – Shaping – Learned Helplessness; Similarities and Differences between Classical Conditioning and Operant Conditioning - Social and Cognitive Learning – Latent Learning – Insight Learning – Observational Learning.

S.no	Topic	No of Reference/ text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Learning	RB/ OL	5	5
2.	Schedules of Reinforcement	RB/ OL	6	11

Class: I B.Sc

Subject: **Biological psychology I**

Total :60 Hours

Hrs: 14

UNIT- I

Meaning of Biological Psychology- Viewpoints to explore Biology of Behaviour – Approaches that relate brain and behaviour – Levels of analysis - Correlating brain anatomy with behaviour - Recording brain activity - Effects of brain damage - Effects of brain stimulation

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Meaning of Biological Psychology	RB/ TB / OL	4	4
2.	Levels of analysis	RB / OL	5	9
3.	brain damage	RB / OL	5	14

Hrs: 11

UNIT II

Basic features of the nervous system- An overview, Meninges, Ventricular system and production of cerebrospinal fluid. Cells of the nervous system- Neurons, Supporting cells, The blood-brain barrier – Neural communication: an overview, Measuring electrical potentials of axons, The membrane potential: Balance of two forces, The Action Potential, Conduction of the action potential.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	nervous system	TB/ RB / OL	4	4

2.	The blood-brain barrier	TB/ OL	3	7
3.	membrane potential	TB/ OL	4	11

UNIT III

Hrs: 12

Communication between neurons- Structure of synapses, Neurotransmitter- meaning- types Release of the neurotransmitter, Activation of receptors, Postsynaptic potentials, Termination of postsynaptic potentials.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Communication between neurons	RB/ OL	6	6
2.	Activation of receptors	RB/ OL	6	12

UNIT IV

Hrs:13

The Central Nervous System- Development of the central nervous system, The forebrain, The hind brain, midbrain & forebrain. The peripheral nervous system- spinal nerves, cranial nerves, The autonomic nervous system – Divisions & Functions.

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Central Nervous System	TB/ RB/ OL	6	6
2.	peripheral nervous system	RB/OL	7	13

UNIT V

Hrs:10

Hormonal action- General principles of hormonal actions, Hormonal action on cellular mechanisms- Hormonal influence on growth and activity, Feedback control mechanisms in regulating secretion of hormones. Endocrine glands and its specific hormones. Pituitary- Pineal- Thyroid- Parathyroid; Pancreas- Adrenal- Gonads

S.No	Topic	No of Reference/ Text Book/	Duration (Hrs)	Cumulative period (Hrs)

		Online		
1.	Hormonal action	RB/ OL	3	3
2.	growth and activity	RB/ OL	3	6
3.	Endocrine glands	RB/ OL	4	10

Class: I B.Sc
Total :60 Hours

Subject: **Psychological statistics -Inferential**

UNIT- I

Hrs: 14

Meaning and definition of statistics – origin, growth and characteristics – Need for understanding Statistics – Application of Statistics in Psychology – Scope and limitations.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Meaning and definition of statistics	RB/ TB / OL	4	4
2.	Need for understanding Statistics	RB / OL	5	9
3.	Scope and limitations	RB / OL	5	14

UNIT II **Hrs: 12**

Objectives – types of classification – geographical – chronological – qualitative – quantitative – formation of continuous frequency distribution – uses of tabulation – parts of a table – types of tables – simple and complex tables – general purpose and special purpose tables.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	types of classification	TB/ RB / OL	6	6
2.	formation of continuous frequency distribution	TB/ OL	6	12

UNIT III **Hrs: 12**

General rules for constructing diagrams and graphs – uses of diagrams and graphs. Bar diagram – pie diagram – pictogram – cartogram. Line graph – frequency curve – frequency polygon – histogram – Ogives or cumulative frequency curves – limitations of diagrams and graphs.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	diagrams and graphs	RB/ OL	6	6
2.	limitations	RB/ OL	5	7

UNIT IV **Hrs:13**

Concepts of averages – requisites of a good average – the mean, median and mode – merits and demerits – combined mean – numerical computations (simple problems only).

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	averages	TB/ RB/ OL	9	11
2.	combined mean	RB/OL	4	6

UNIT V **Hrs:10**

Concept of dispersion – measures of dispersion – range –quartile deviation – standard deviation – mean deviation – combined standard deviation – numerical computations

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	dispersion	RB/ OL	3	3
2.	standard deviation	RB/ OL	3	6
3.	combined standard deviation	RB/ OL	4	10

PREPARED BY

(S. MANICKA DEVI

APPROVED BY

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

SUBJECT COURSE PLAN
ODD SEMESTER (2022-2023)

Business Mathematics	**- II B.Com Batch I & II**
Research Methodology	**- III B.Com Batch II**
Human Resource Management	**- II M.Com**

Submitted by

J.M.T.R

R. TIFFANY

Approved by

J.M.T.R

HOD

Rubby 6.9.22.

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

SUBJECT COURSE PLAN
ODD SEMESTER (2022-2023)

Income Tax Law & Practice I	-	**III B.Com Batch I & II**
Personality Development	-	**III B.Com Batch I**
Taxation & Tax Planning	-	**II M.Com**

Submitted by

S. Kamali

Dr. S. Santhana Kamala

Approved by

J.M.R

HOD

Rubha 06.09.22.

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

COURSE PLAN 2022-2023

PG & RESEARCH DEPARTMENT OF COMMERCE

SUBJECTS:

Research Methodology

Business Organization and Management

Prepared By
Dr.J.Elizabethvijaya

Appoved By
Mrs. Tiffany

Principal

PRINCIPAL 06.09.22
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

COURSE PLAN 2022-2023

DEPARTMENT OF COMMERCE

SUBJECTS:

Business Law

International Business

Prepared By
Dr. V. C. Jeya Ratha

Approved By
Mrs. R. Tiffany

Principal 06.09.22

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

COURSE PLAN 2022-2023

PG & RESEARCH DEPARTMENT OF COMMERCE

SUBJECTS:

COST ACCOUNTING

ADVANCED CORPORATE ACCOUNTING

Prepared by

DR.K.BAHAVATHI THANGAM

Approved by

Mrs.R.TIFFANY

Principal

6.09.22

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

SUBJECT COURSE PLAN 2022 – 2023

DEPARTMENT OF COMMERCE (BATCH I AND II)

Subject	Class
Accounting for Management	I M.Com
Corporate Accounting I	III B. Com (Batch I and II)
Personality Development	III B.Com (Batch II)

Prepared by

D. B. Jeyanthi

(Dr. D. BABY JEYANTHI)

Approved by

(HOD)

Principal's Signature

6.09.22.

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

SUBJECT COURSE PLAN
ODD SEMESTER (2022-2023)

Research Methodology	**-**	**III B.com Batch I**
Business Economics	**-**	**I B.com Batch I&II**
Environmental Studies	**-**	**I B.com Batch I&II**
Consumer Rights of Education	**-**	**II M.Com**

Submitted by

J. Dasnavis Jeyanthi.

Dr. J.Dasnavis Jeyanthi

Approved by

HOD

PRINCIPAL 06.09.22.
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

COURSE PLAN 2022

PG & RESEARCH DEPARTMENT OF COMMERCE

SUBJECTS:

Statistics

Banking

Computer Application in Business

Financial Accounting

Prepared By

Dr.T.Sangeetha Sudha

Appoved By

Mrs. Tiffany

Principal 06/09/22

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

COURSE PLAN 2022-2023

DEPARTMENT OF COMMERCE

SUBJECTS:

Financial Accounting - I

Business Communication

Management Concepts and Organizational Behaviour

Computerized Accounting with Tally

Introduction to Accountancy

Prepared by
P. Rajeswari
Mrs.P.Rajeswari

Approved by
J.R.T.
Mrs.R.Tiffany

Rukho
Principal

PRINCIPAL 06.09.22.
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

COURSE PLAN 2022-2023

DEPARTMENT OF COMMERCE

SUBJECTS:

Professional English for Commerce

And Management - I

Company Law

Insurance Risk and Management

Prepared By

Mrs.M. DEENA

M. D

Approved By

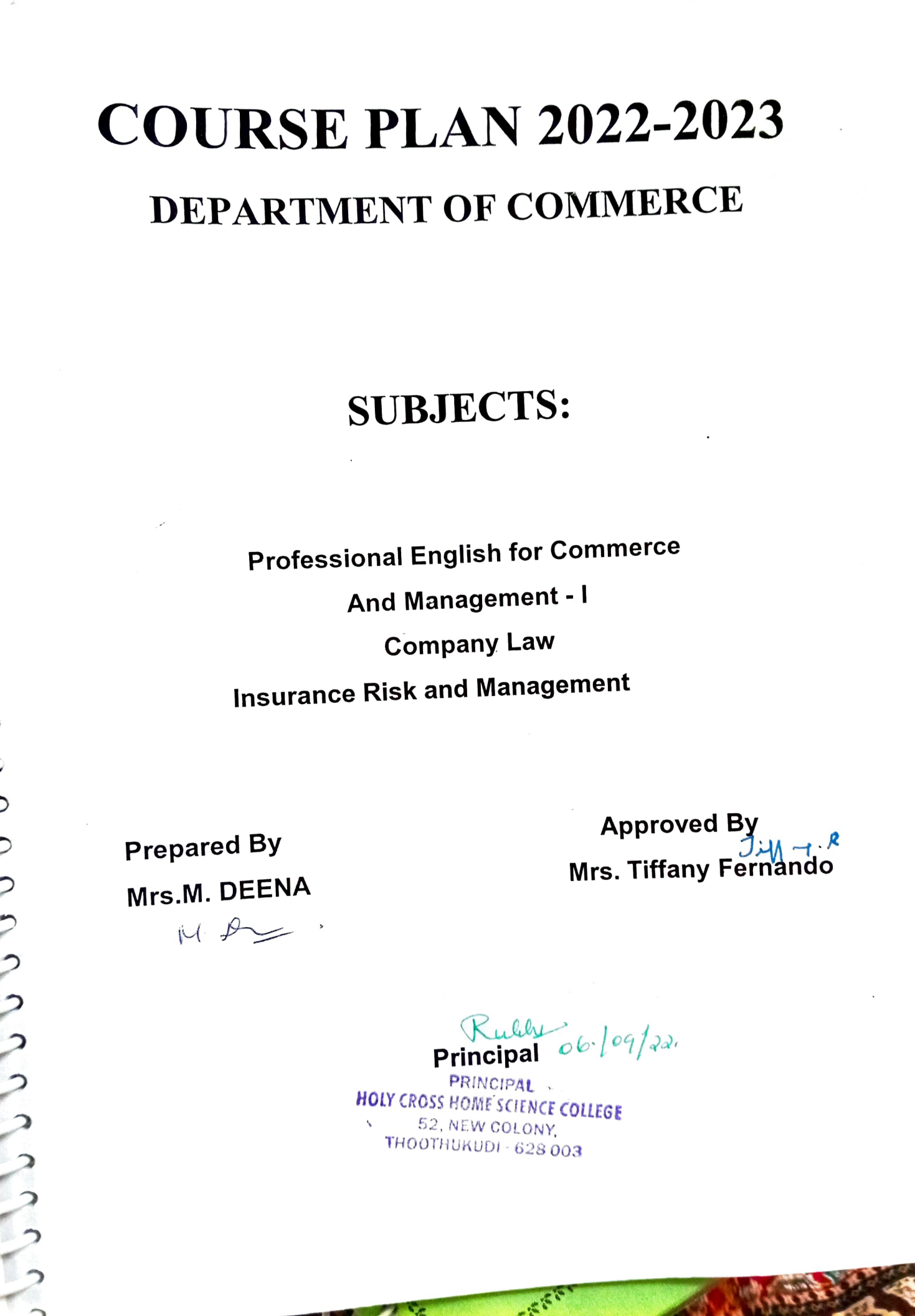
Mrs. Tiffany Fernando

Tiff. R

Ruby 06/09/22.

Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003



HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN

Class: III BA English

Subject: Regional Literature in Translation

Unit –I : Poetry

Hours. : 18

Unit -I : Thirukkural

The Possession of Love, Gratitude, Learning

Hours: 12

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Introduction to Regional Literature	T/1, R/3, O/2	3 hours	3 hours	Discussion
2.	Biography of Thiruvalluvar	T/1, R/2, O/2	3 hours	6 hours	PPT
3.	The Possession of Love	T/1, R/3, O/4	3 hours	9 hours	Teaching
4.	Gratitude	T/1, R/3, O/3	3 hour	12 hours	Quiz
5.	Learning	T/1, R/2, O/2	3 hours	15 hours	Lecture

6..	Preparation of essays	T/1,R/1,O/1	3 Hours	18 Hours	Lecture

Unit – II:Subramanya Bharathi – There is no Fear

Mu.Mehta – Charge Sheet

Adavan Theetchanya – Self-Realization

Hours : 18

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Biography of Subramanya Bharathi	T/1, R/2, O/1	1 hour	1 hour	PPT
2.	There is no Fear	T/1, R/3, O/2	1 hours	2 hours	Lecture
3.	Thematic Analysis of There is no Fea	T/1, R/3, O/2	3 hour	5 hours	Quiz
4.	Biography of Mehta	T/1, R/2, O/3	2 hours	7 hours	Teaching
5.	Charge Sheet	T/1,R/2,O//2	1hour	8 hours	Lecture
6.	Thematic Analysis of Charge Sheet	T/1,R/2,O/1	3 hours	11 hours	PPT
7.	Biography of Adavan Theetchanya	T/1,R/2,O/3	2 hours	13 hours	Quiz
8.	Self- Realisation	T/1,R/1,O/2	1 hours	14 hours	Teaching
9.	Thematic Analysis of Self-Realization	T/1R/2,O/3	2 hours	16 hours	Lecture
10.	Preparation of essays	T/1,R/2,O/3	2 hours	18 hours	PPT

Unit – III: Short Story

U.R.Anantha Murthy – A Horse for the Sun

Vaikom Muhammad Basheer – Walls

Ambai – Gifts

Hours. : 18

1.	Introducing U.R.Anantha Murthy	T/1, R/2, O/2	1 hour	1 hour	PPT
2..	A Horse for the Sun	T/1,R/2,O/3	1 hours	2 hours	Lecture
3.	Biography of Vaikom Muhammad Basheer	T/1,R/1,O/1	2 hours	4 hours	PPT
4.	Walls	T/1,R/2,O/3	3 hours	7 hours	Quiz
5.	Biography of Ambai	T/1,R/2,O/2	3. hours	10 hours	Teaching
6.	Gifts	T/1,R/1,O/3	3 hours	13 hours	Lecture
7.	Thematic Analysis of the stories	T/1,R/2,O/3	3 hours	16 hours	PPT

8.	Preparation of essays	T/1,R/1,O/2	2 hours	18 hours	Teaching

Unit – IV: Fiction

Sundara Ramaswamy – Tamarind History

Hours. : 18

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Introducing Regional Novelists	T/1, R/3, O/2	1 hour	1 hour	PPT
2.	Biography of Sundara Ramaswamy	T/1, R/2, O/3	1 hour	2 hours	Lectur
3.	Background of the novel Tamarind History	T/1,R/2,O/1	2 hours	4 hours	PPT
4.	Brief summary of Tamarind History	T/1,R/2,O/3	2 hours	6 hours	Quiz
5.	Thematic Analysis of Tamarind History	T/1,R/1,O/1	6 hours	12 hours	Lecture
6.	Characteristics of Tamarind History	T/1,R/2,O/3	4 hours	16 hours	Teaching
7.	Preparation of essays	T/1,R/2,O/3	2 hours	18 hours	Teaching

Unit – V. : Fiction

Girish Karnad – Nagamanala

Hours. : 18

No	Topic	Textbook /Ref/ Online	Duration	Cumulative period	Methodology
1.	Biography of Girish Karnad	T/1,R/2,O/1	1 hour	1 hour	PPT
2.	Background of the novel Nagamandala	T/1R/3,O/4	2 hours	3 hours	Lecture
3.	Brief summary of Nagamandala	T/1,R/2,O/3	2 hours	5 hours	Teaching
4.	Thematic Analysis of Nagamandala	T/1,R/2,O/3	6 hours	11 hours	Teaching
5.	Characteristics of the novel Nagamandala	T/1R/2,O/3	5 hours	16 hours	Discussion
6.	Preparations of essays	T/1,R/2,O/1	2 hours	18 hours	Lecture

Prepared by

Dr.S.Mazhali Yasoda

Assistant Professor,

Department of English,

Holy Cross Home Science College,

Thoothukudi.

Approved by

for

HOD

Dept. of English

Holycross Home Science College

Thoothukudi - 628 003

Signature of the Principal

PRINCIPAL

HOLY CROSS HOME SCIENCE COLLEGE

52, NEW COLONY,

THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN

CLASS : II M.A., ENGLISH LITERATURE

SUBJECT : ASIA -PACIFIC LITERATURE

UNIT - I : POETRY

EDWIN THAMBOO - GODS CAN DIE

E.E. TIANG HONG - ON WRITING A POEM

ALLAN CURNOW - HOUSE AND LAND

ZULFIKAR GHOSE - THE MONUMENT TO SIBELIUS IN RIO DE JANEIRO

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	EDWIN THAMBOO	T/1, R/2, O/3	1 Hour	1 Hour	DESCRIPTION
2	GODS CAN DIE	T/1, R/2, O/3	2 Hours	3 Hours	TEXT BOOK
3	E.E. TIANG HONG	T/1, R/1, O/1	2 Hours	5 Hours	NARRATED
4	ON WRITING A POEM	T/1, R/1, O/1	3 Hours	8 Hours	ENUMERATED
5	ALLAN CURNOW	T/1, R/2, O/2	2 Hours	10 Hours	EXPLAINED
6	HOUSE AND LAND	T/1, R/1, O/1	2 Hours	12 Hours	PPT

7	ZULFIKAR GHOSE	T/1, R/2, O/3	2 Hours	14 Hours	THEORY
8	THE MONUMENT TO SIBELIUS IN RIO DE JANEIRO	T/1, R/3 , O/3	1 Hour	15 Hours	ANALYZED

UNIT - II : PROSE

MALALA YOUSAFZAI - NOBEL PRIZE ACCEPTANCE SPEECH

SNEJA GUNEW - TOWARD A NEW AUSTRALIAN LITERARY HISTORY

Q.S.TONG, XIAOYI ZHOU - CRITICISM AND SOCIETY : THE BIRTH OF THE MODERN CRITICAL SUBJECT IN CHINA

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	MALALA YOUSAFZAI	T/1, R/3, O/2	2 Hours	2 Hours	THEORY
2	NOBEL PRIZE ACCEPTANCE SPEECH	T/1, R/2, O/4	2 Hours	4 Hours	DISCUSSION
3	SNEJA GUNEW	T/1, R/3, O/3	1 Hour	5 Hours	SCRUTINIZED
4	TOWARD A NEW AUSTRALIAN LITERARY HISTORY	T/1, R/2, O/3	3 Hours	8 Hours	CRITICAL ANALYSIS
5	Q.S.TONG	T/1, R/1, O/1	2 Hours	10 Hours	NARRATED

6	XIAOYI ZHOU	T/1, R/1, O/1	2 Hours	12 Hours	ENUMERATED
7	CRITICISM AND SOCIETY : THE BIRTH OF THE MODERN CRITICAL SUBJECT IN CHINA	T/1, R/1, O/2	3 Hours	15 Hours	LECTURED

UNIT - III SHORT STORIES

INTAN PARAMADITHA - THE QUEEN

KATHERINE MANSFIELD - A CUP OF TEA

ALFIAN SA'AT - FROM CORRIDOR : 12 SHORT STORIES

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	INTAN PARAMADITHA	T/1, R/1, O/2	2 Hours	2 Hours	THEORY
2	THE QUEEN	T/1, R/1, O/1	2 Hours	4 Hours	LECTURE
3	KATHERINE MANSFIELD	T/1, R/2, O/2	1 Hour	5 Hours	ANALYZED
4	A CUP OF TEA	T/1, R/2, O/3	3 Hours	8 Hours	DISSECTED
5	ALFIAN SA'AT	T/1, R/1, O/2	3 Hours	11 Hours	NARRATED

6	FROM CORRIDOR : 12 SHORT STORIES	T/1, R/1 , O/2	4 Hours	15 Hours	EXPLAINED

UNIT - IV DRAMA

YUKIO MISHIMA - KANTAN

BRUCE MASON - THE END OF THE GOLDEN WEATHER

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	YUKIO MISHIMA	T/1, R/2, O/3	2 Hours	2 Hours	PPT
2	KANTAN	T/1, R/1, O/2	2 Hours	4 Hours	DISCUSSION
3	KANTAN - CRITICAL SUMMATION	T/1, R/2, O/3	2 Hours	6 Hours	ANALYSIS
4	BRUCE MASON	T/1, R/1, O/2	2 Hours	8 Hours	NARRATED
5	THE END OF THE GOLDEN WEATHER	T/1, R/2, O/3	3 Hours	11 Hours	LECTURE
6	THE END OF THE GOLDEN WEATHER - THEME	T/1, R/1, O/2	2 Hours	13 Hours	DISSECTED

7	THE END OF THE GOLDEN WEATHER - CRITICAL ANALYSIS	T/1, R/2, O/3	2 Hours	15 Hours	ENUMERATED

UNIT - V : FICTION

A.SIVANANDAN - WHEN MEMORY DIES

JESSICA HAGEDORN - DOGEATERS

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	A.SIVANANDAN	T/1, R/2, O/3	1 Hour	1 Hour	DISCUSSION
2	WHEN MEMORY DIES	T/1, R/1, O/2	2 Hours	3 Hours	INTERPRETED
3	WHEN MEMORY DIES	T/1, R/1, O/2	2 Hours	5 Hours	EXPLORED
4	JESSICA HAGEDORN	T/1, R/2, O/3	2 Hours	7 Hours	NARRATED
5	DOGEATERS	T/1, R/1, O/2	3 Hours	10 Hours	SCRUTINIZED
6	DOGEATERS - CHARACTER STUDY	T/1, R/1, O/2	3 Hours	13 Hours	DECONSTRUCTED

7	DOGEATERS - THEME	T/1, R/1, O/2	2 Hours	15 Hours	DISSECTED

D Padma Arthy

PREPARED BY

Ms. D.Padma Arthy

Assistant Professor,

Department of English

Holy Cross Home Science College, Thoothukudi

for S.M.J.D

APPROVED BY

HOD
Dept. of English
Holycross Home Science College
Thoothukudi 628 003

Rubaha.

SIGNATURE OF THE PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN

Class: I M.A English

Subject : American Literature -II

Unit –I : Poetry

Hours. : 15

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Introduction to American l Literature	T/1, R/3, O/2	3 hours	3 hours	Discussion
2.	About Wallace Stevens	T/1, R/2, O/2	2 hours	5 hours	PPT
3.	Of Modern Poetry	T/1, R/3, O/4	2 hours	7 hours	Teaching
4.	About Sylvia Plath	T/1, R/3, O/3	2 hours	9 hours	Quiz
5.	Edge	T/1,R/2,O/2	1 hour	10 hours	Discussion
6.	Anyone lived in a Pretty how town	T/1,R/1,O/1	1 hour	11hours	PPT
7.	Life doesn't Frighten Me	T/1,R/2,O/2	2 hour	13 hours	Quiz

8.	Let America be America Again	T/1,R/1,O/3	2 hour	15 hours	Lecture

Unit – II: Prose

Hours : 15

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	About aJames Baldwin	T/1,R/2,O/4	1 hour	1 hour	PPT
2.	Notes of a Native Son	T/1,R/2,O/3	2 hours	3 hours	Lecture
3.	About Alice Walker	T/1,R/1,O//3	2 hours	5 hours	Teaching
4.	In Search of our Mother's Garden	T/1,R/1,O/2	3 hours	8 hours	Discussion
5.	About Amy Tan	T/1,R/1,O/2	4 hours	12 hours	Lecture
6.	Mother Tongue	T/1,R/2,O/3	3 hours	15 hours	Teaching

Unit – III: Short story

Hours :15

1.	About Ernest Hemingway	T/1, R/2, O/2	1 hour	1 hour	PPT
2..	Big Two Hearted River	T/1,R/2,O/3	1 hours	2 hours	Lecture

3.	About Flannery O'Connor	T/1,R/1,O/1	2 hours	4 hours	PPT
4.	A Good Man is hard to find	T/1,R/2,O/3	2 hours	6 hours	Quiz
5.	About Harlan Ellison	T/1,R/2,O/2	2 hours	8 hours	Teaching
6.	I have no mouth,and I must scream	T/1,R/1,O/3	3 hours	11 hours	Lecture
7.	About Jamaica Kinkaid	T/1,R/2,O/3	2 hours	13 hours	PPT
8.	Girl	T/1,R/1,O/2	2 hours	15 hours	Teaching

Unit – IV: Drama

Hours. : 15

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	About Arthur Miller	T/1, R/3, O/2	1 hour	1 hour	Lecture
2.	The Crucible	T/1,R/2,O/3	1 hour	2 hours	PPT

3.	The Plot construction	T/1,R/2,O/1	1 hour	3 hours	Teaching
4.	Thematic analysis	T/1,R/2,O/1	2 hours	5 hours	PPT
5.	Character Sketch	T/1,R/2,O/1	3 hours	8 hours	Discussion
6.	The Zoo Story	T/1,R/2,O/3	4 hours	12 hours	Discussion
7.	The Plot Construction	T/1,R/3,O/2	3 hours	15 hours	Teaching

Unit – V. : Fiction

Hours. : 15

No	Topic	Textbook /Ref/ Online	Duration	Cumulative period	Methodology
1.	About the William Faulkner	T/1,R/2,O/1	1 hour	1 hour	PPT
2.	As I Lay dying	T/1,R/2,O/3	1 hour	2 hours	PPT

3.	Plot construction	T/1,R/1,O/1	2 hours	4 hours	Quiz
4.	Thematic analysis	T/1R/2,O/3	3 hours	7 hours	Teaching
5.	About Harper. Lee	T/1,R/2,O/3	3 hours	10 hours	Lecture
6.	To kill a Mockingbird	T/1,R/2,O/2	2 hours	12 hours	Discussion
7.	Plot construction	T/1,R/4,O/3	3 hours	15 hours	Lecture

Prepared by

S.Mazhali

Dr.S.Mazhali Yasoda

Assistant Professor,

Department of English,

Holy Cross Home Science College,

Thoothukudi.

Approved by

for S.Mazhali

HOD

Dept. of English

Holycross Home Science College

Thoothukudi - 628 003.

Signature of the Principal

PRINCIPAL

HOLY CROSS HOME SCIENCE COLLEGE

52, NEW COLONY,

THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN

CLASS : II M.A., ENGLISH LITERATURE

SUBJECT : TRANSLATION STUDIES - THEORY AND PRACTICE

UNIT - I : TRANSLATION AND ITS PERSPECTIVES

LANGUAGE AS A MEDIUM

REFERENTIAL MEANING

CONNOTATIVE MEANING

DEFINITIONS OF TRANSLATION

LINGUISTIC AND CULTURAL DISTANCES BETWEEN THE SOURCE AND TARGET LANGUAGES

LEXICAL UNTRANSLATABILITY

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	LANGUAGE AS A MEDIUM	T/1, R/2, O/3	2 Hours	2 Hours	PPT
2	REFERENTIAL MEANING	T/1, R/2, O/3	2 Hours	4 Hours	ENUMERATED
3	CONNOTATIVE MEANING	T/1, R/1, O/2	2 Hours	6 Hours	THEORY
4	DEFINITIONS OF TRANSLATION	T/1, R/2, O/3	3 Hours	9 Hours	DISCUSSION

5	LINGUISTIC AND CULTURAL DISTANCES BETWEEN THE SOURCE AND TARGET LANGUAGES	T/1, R/3, O/3	3 Hours	12 Hours	PPT
6	LEXICAL UNTRANSLATABILITY	T/1, R/1, O/2	3 Hours	15 Hours	PPT

UNIT - II : TRANSLATION THEORIES AND THEORISTS

MAJOR THEORIES

PHILOLOGICAL THEORY

LINGUISTIC THEORY

SOCIOLINGUISTIC THEORY

INTEGRATED THEORY

MAJOR THEORISTS

J.C.CATFORD

EUGENE A.NIDA

PETER NEWMARK

SUJIT MUKHERJEE

JULIANE HOUSE

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY

LEXICAL CREATION

TRANSCREATION

SUBSTITUTION

GENERIC AND SPECIFIC NAMES

BY USING MULTI-LEXICAL UNITS

HYBRID FORAMTION OR LOAN BLENDING

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	BORROWING	T/1, R/2, O/3	1 Hour	5 Hours	THEORY
2	TRANSLITERATION	T/1, R/1, O/2	1 Hour	6 Hours	VIDEO
3	LITERAL TRANSLATION	T/1, R/2, O/3	1 Hour	7 Hours	ILLUSTRATION
4	DEFINITION	T/1, R/1, O/2	1 Hour	8 Hours	DISCUSSION
5	ADDITION	T/1, R/2, O/3	1 Hour	9 Hours	PPT
6	OMMISION	T/1, R/1, O/2	1 Hour	10 Hours	VIDEO
7	LEXICAL CREATION	T/1, R/2, O/3	1 Hour	12 Hours	NARRATED
8	TRANSCREATION	T/1, R/2, O/3	1 Hour	13 Hours	ENUMERATED

1	PHILOLOGICAL THEORY	T/1, R/1, O/2	2 Hours	2 Hours	ILLUSTRATION
2	LINGUISTIC THEORY	T/1, R/2, O/3	2 Hours	4 Hours	DISCUSSION
3	SOCIOLINGUISTIC THEORY	T/1, R/1, O/2	2 Hours	6 Hours	LECTURE
4	INTEGRATED THEORY	T/1, R/2, O/3	2 Hours	8 Hours	PPT
5	J.C.CATFORD	T/1, R/1, O/2	2 Hours	10 Hours	TEXTBOOK
6	EUGENE A.NIDA	T/1, R/2, O/3	2 Hours	12 Hours	ENUMERATED
7	PETER NEWMARK	T/1, R/1, O/1	1 Hour	13 Hours	NARRATED
8	SUJIT MUKHERJEE	T/1, R/2, O/3	1 Hour	14 Hours	PPT
9	JULIANE HOUSE	T/1, R/1, O/2	1 Hour	15 Hours	PPT

UNIT - III LEXICAL PROBLEMS AND COMPENSATORY MECHANISMS

BORROWING

TRANSLITERATION

LITERAL TRANSLATION

DEFINITION

ADDITION

OMMISION

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	DOUBLE WORDS	T/1, R/1, O/1	1 Hour	1 Hour	THEORY
2	REPETITIVE WORDS	T/1, R/2, O/3	1 Hour	2 Hours	ILLUSTRATION
3	IDEOPHONES	T/1, R/1, O/2	1 Hour	3 Hours	PPT
4	PLEONASMS AND REDUPLICATIONS	T/1, R/2, O/3	1 Hour	4 Hours	EXPLAINED
5	ACTIVE AND PASSIVE CONSTRUCTIONS	T/1, R/1, O/2	1 Hour	5 Hours	DISCUSSION
6	GENDER AND NUMBER	T/1, R/1, O/2	1 Hour	6 Hours	VIDEO
7	IMAGERY	T/1, R/2, O/3	1 Hour	7 Hours	PPT
8	IDIOMS	T/1, R/1, O/2	1 Hour	8 Hours	ENUMERATED
9	PROVERBS	T/1, R/2, O/3	1 Hour	9 Hours	PPT
10	NON - VERBAL COMMUNICATION	T/1, R/1, O/2	1 Hour	10 Hours	LECTURE
11	HONORIFIC AFFIXES	T/1, R/1, O/2	1 Hour	11 Hours	VIDEO

9	SUBSTITUTION	T/1, R/1, O/2	2 Hours	14 Hours	EXPLAINED
10	GENERIC AND SPECIFIC NAMES	T/1, R/2, O/3	1 Hour	15 Hours	PPT
11	BY USING MULTI-LEXICAL UNITS	T/1, R/2, O/3	1 Hour	1 Hours	PPT
12	HYBRID FORAMTION OR LOAN BLENDING	T/1, R/1, O/2	1 Hour	1 Hours	ILLUSTRATION

UNIT - IV SYNTACTIC AND STYLISTIC PROBLEMS AND PROCEDURES

DOUBLE WORDS

REPETITIVE WORDS

IDEOPHONES

PLEONASMS AND REDUPLICATIONS

ACTIVE AND PASSIVE CONSTRUCTIONS

GENDER AND NUMBER

IMAGERY

IDIOMS

PROVERBS

NON - VERBAL COMMUNICATION

HONORIFIC AFFIXES

PROPER NAME

VOCATIVES

PLAY ON WORDS

TRANSFORMATION OF SENTENCES

12	PROPER NAME	T/1, R/2, O/3	1 Hour	12 Hours	PPT
13	VOCATIVES	T/1, R/2, O/3	1 Hour	13 Hours	ILLUSTRATION
14	PLAY ON WORDS	T/1, R/1, O/2	1 Hour	14 Hours	VIDEO
15	TRANSFORMATION OF SENTENCES	T/1, R/1, O/2	1 Hour	15 Hours	PPT

UNIT - V : TRANSLATION PRACTICE

PERUMAL MURUGAN - POONACHI : OR THE STORY OF A BLACK GOAT

VAIKOM MUHAMMAD BASHEER - PATTUMMA'S GOAT

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	PERUMAL MURUGAN	T/1, R/1, O/2	3 Hours	3 Hours	NARRATED
2	POONACHI : OR THE STORY OF A BLACK GOAT	T/1, R/1, O/2	3 Hours	6 Hours	SEMINAR
3	VAIKOM MUHAMMAD BASHEER	T/1, R/1, O/2	4 Hours	10 Hours	EXPLAINED

4	PATTUMMA'S GOAT	T/1, R/1, O/2	5 Hours	15 Hours	SEMINAR

D. Padma Arthy

PREPARED BY

Ms. D.Padma Arthy

Assistant Professor,

Department of English

Holy Cross Home Science College, Thoothukudi

for S. M[illegible]

APPROVED BY

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003

Rulehu

SIGNATURE OF THE PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN

CLASS : I M.A., ENGLISH LITERATURE

SUBJECT : INDIAN ENGLISH LITERATURE - II

UNIT - I : POETRY

R.PARTHASARATHY - HOMECOMING

NISSIM EZEKIEL - JEWISH WEDDING IN BOMBAY

KAMALA DAS - THE SUICIDE

MEENA ALEXANDER - BLUE LOTUS

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	R.PARTHASARATHY	T/1, R/1, O/2	2 Hours	2 Hours	THEORY
2	HOMECOMING	T/1, R/1, O/2	2 Hours	4 Hours	EXPLAINED
3	HOMECOMING	T/1, R/1, O/2	2 Hours	6 Hours	POETRY ANALYSIS
4	NISSIM EZEKIEL	T/1, R/1, O/2	1 Hour	7 Hours	ENUMERATED
5	JEWISH WEDDING IN BOMBAY	T/1, R/1, O/2	1 Hour	8 Hours	CRITICAL ANALYSIS
6	KAMALA DAS	T/1, R/1, O/2	2 Hours	10 Hours	PPT

7	THE SUICIDE	T/1, R/1, O/2	2 Hours	12 Hours	ANALYSED
8	MEENA ALEXANDER	T/1, R/1, O/2	1 Hour	13 Hours	ENUMERATED
9	BLUE LOTUS	T/1, R/1 , O/2	2 Hours	15 Hours	THEORY

UNIT - II : PROSE

GOPAL GURU - DALIT WOMEN TALK DIFFERENTLY

MEENAKSHI MUKHERJEE - REALISM AND REALITY; THE NOVEL AND SOCIETY IN INDIA [CHAPTER I - FROM PURANAS TO NUTARA]

AMITAV GHOSH - THE DIASPORA IN INDIAN CULTURE

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	GOPAL GURU	T/1, R/1, O/1	2 Hours	2 Hours	DESCRIPTION
2	DALIT WOMEN TALK DIFFERENTLY	T/1, R/3, O/2	2 Hours	4 Hours	DISCUSSION
3	MEENAKSHI MUKHERJEE	T/1, R/1, O/2	2 Hours	6 Hours	TEACHING
4	REALISM AND REALITY	T/1, R/2, O/2	3 Hours	9 Hours	SCRUTINIZE

5	THE NOVEL AND SOCIETY IN INDIA [CHAPTER I - FROM PURANAS TO NUTARA]	T/1, R/2, O/1	3 Hours	12 Hours	LECTURE
6	AMITAV GHOSH	T/1, R/3, O/3	1 Hour	13 Hours	NARRATED
7	THE DIASPORA IN INDIAN CULTURE	T/1, R/3, O/2	2 Hours	15 Hours	ANALYZED

UNIT - III SHORT STORIES

R.K.NARAYAN - THE BLIND DOG

RUSKIN BOND - THE WINDOW

JHUMPA LAHIRI - A TEMPORARY MATTER

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	R.K.NARAYAN	T/1, R/1, O/1	2 Hours	2 Hours	DISCUSSION
2	THE BLIND DOG	T/1, R/3, O/2	4 Hours	6 Hours	TEXT BOOK
3	RUSKIN BOND	T/1, R/1, O/2	2 Hours	8 Hours	PPT
4	THE WINDOW	T/1, R/2, O/2	2 Hours	10 Hours	LECTURE

5	JHUMPA LAHIRI	T/1, R/2, O/1	2 Hours	12 Hours	ENUMERATED
6	A TEMPORARY MATTER	T/1, R/3 , O/3	3 Hours	15 Hours	YOUTUBE

UNIT - IV DRAMA

GRISH KARNAD - HAYAVADANA

MAHESH DATTANI - BRIEF CANDLE

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	GRISH KARNAD	T/1, R/1, O/2	2 Hours	2 Hours	THEORY
2	HAYAVADANA	T/1, R/1, O/2	4 Hours	6 Hours	ANALYZED
3	HAYAVADANA - THEMES	T/1, R/1, O/2	2 Hours	8 Hours	DISCUSSION
4	MAHESH DATTANI	T/1, R/3, O/2	2 Hours	10 Hours	DECONSTRUCTED
5	BRIEF CANDLE	T/1, R/2, O/2	2 Hours	12 Hours	LECTURE
6	BRIEF CANDLE - CHARACTER STUDY	T/1, R/3, O/3	3 Hours	15 Hours	EXPLORED

UNIT - V : FICTION

INDIRA GOSWAMI - THE MOTH EATEN HOWDAH OF THE TUSKER

SHASHI THAROOR - THE GREAT INDIAN NOVEL

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	INDIRA GOSWAMI	T/1, R/3, O/2	1 Hour	1 Hour	THEORY
2	THE MOTH EATEN HOWDAH OF THE TUSKER	T/1, R/2, O/1	2 Hours	3 Hours	LECTURE
3	THE MOTH EATEN HOWDAH OF THE TUSKER - CHARACTER STUDY	T/1, R/2, O/2	2 Hours	5 Hours	ILLUSTRATION
4	SHASHI THAROOR	T/1, R/2, O/3	1 Hour	6 Hours	ANALYZED
5	THE GREAT INDIAN NOVEL	T/1, R/2, O/1	3 Hours	9 Hours	LECTURE
6	THE GREAT INDIAN NOVEL- THEME	T/1, R/1, O/1	3 Hours	12 Hours	DISCUSSION
7	THE GREAT INDIAN NOVEL - CRITICAL SUMMATION	T/1, R/3, O/1	3 Hours	15 Hours	DECONSTRUCTED

D. Padma Arthy

PREPARED BY

Ms. D.Padma Arthy

Assistant Professor,

Department of English

Holy Cross Home Science College, Thoothukudi

for S.Mgd

APPROVED BY

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003

SIGNATURE OF THE PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN

CLASS : I M.A., ENGLISH LITERATURE

SUBJECT : CANADIAN LITERATURE

UNIT - I : POETRY

ORPINGALIK - MY BREATH

MARGARET ATWOOD - THE ANIMALS IN THAT COUNTRY

DANIEL DAVID MOSES - INUKSHUK

EARLE BIRNEY - THE BEAR ON THE DELHI ROAD

IRVING LAYTON - THE BULL CALF

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	ORPINGALIK	T/1, R/2, O/2	1 Hour	1 Hour	NARRATED
2	MY BREATH	T/1, R/1, O/2	2 Hours	3 Hours	POETRY ANALYSIS
3	MARGARET ATWOOD	T/1, R/1, O/2	2 Hours	5 Hours	ENUMERATED
4	THE ANIMALS IN THAT COUNTRY	T/1, R/2, O/2	1 Hour	6 Hours	PPT
5	DANIEL DAVID MOSES	T/1, R/1, O/2	1 Hour	7 Hours	THEORY

6	INUKSHUK	T/1, R/3, O/2	2 Hours	9 Hours	CRITICAL ANALYSIS
7	EARLE BIRNEY	T/1, R/1, O/2	1 Hour	10 Hours	NARRATED
8	THE BEAR ON THE DELHI ROAD	T/1, R/2 , O/3	2 Hours	12 Hours	TEACHING
9	IRVING LAYTON	T/1, R/1, O/1	2 Hours	14 Hours	THEORY
10	THE BULL CALF	T/1, R/1, O/2	1 Hour	15 Hours	YOUTUBE

UNIT - II : PROSE

STEPHEN LEACOCK - WHO KNOWS IT

MARGARET LAURENCE - A PLACE TO STAND ON

EDEN ROBINSON - AN EXCERPT FROM THE SASQUATCH AT HOME

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	STEPHEN LEACOCK	T/1, R/1, O/1	2 Hours	2 Hours	LECTURE
2	WHO KNOWS IT	T/1, R/3, O/2	4 Hours	6 Hours	ANALYZED
3	MARGARET LAURENCE	T/1, R/1, O/2	2 Hours	8 Hours	EXPLAINED

4	A PLACE TO STAND ON	T/1, R/2, O/2	2 Hours	10 Hours	CRITICAL ANALYSIS
5	EDEN ROBINSON	T/1, R/2, O/1	2 Hours	12 Hours	THEORY
6	AN EXCERPT FROM THE SASQUATCH AT HOME	T/1, R/3, O/3	3 Hours	15 Hours	ENUMERATED

UNIT - III SHORT STORIES

MORELY CALLAGHAN - THE SNOB

DISMOND PACEY - THE BOAT

ALICE MUNRO - SUNDAY AFTERNOON

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	MORELY CALLAGHAN	T/1, R/2, O/2	2 Hours	2 Hours	ENUMERATED
2	THE SNOB	T/1, R/2, O/2	4 Hours	6 Hours	TEXT BOOK
3	DISMOND PACEY	T/1, R/3, O/2	2 Hours	8 Hours	PPT
4	THE BOAT	T/1, R/1, O/1	2 Hours	10 Hours	LECTURE
5	ALICE MUNRO	T/1, R/2, O/1	2 Hours	12 Hours	ENUMERATED

6	SUNDAY AFTERNOON	T/1, R/2 , O/3	3 Hours	15 Hours	ANALYZED

UNIT - IV DRAMA

MICHAEL COOK - JACOBS'S WAKE

JOAN MAC LEOD - THE VALLEY

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	MICHAEL COOK	T/1, R/1, O/2	2 Hours	2 Hours	THEORY
2	JACOBS'S WAKE	T/1, R/1, O/2	4 Hours	6 Hours	ANALYZED
3	JACOBS'S WAKE - CHARACTER STUDY	T/1, R/3, O/3	2 Hours	8 Hours	EXPLORED
4	JOAN MAC LEOD	T/1, R/1, O/1	2 Hours	10 Hours	DECONTRUCTED
5	THE VALLEY	T/1, R/2, O/2	3 Hours	13 Hours	LECTURE
6	THE VALLEY - THEMES	T/1, R/1, O/2	2 Hours	15 Hours	DISCUSSION

UNIT - V : FICTION

MARGARET LAURENCE - THE STONE ANGEL

MORDECAI RICHLER - THE APPRENTICESHIP OF DUDDY KRANTZ

HOURS : 15

TOPIC NO.	TOPIC NAME	NO. OF REF./ TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	MARGARET LAURENCE	T/1, R/1, O/2	1 Hour	1 Hour	THEORY
2	THE STONE ANGEL	T/1, R/3, O/2	2 Hours	3 Hours	LECTURE
3	THE STONE ANGEL - CHAPTER ANALYSIS	T/1, R/2, O/3	2 Hours	5 Hours	SCRUTINIZE
4	THE STONE ANGEL - SYMBOLISM	T/1, R/1, O/2	1 Hour	6 Hours	ILLUSTRATION
5	MORDECAI RICHLER	T/1, R/1, O/1	2 Hours	8 Hours	NARRATED
6	THE APPRENTICESHIP OF DUDDY KRANTZ	T/1, R/2, O/1	3 Hours	11 Hours	SEMINAR
7	THE APPRENTICESHIP OF DUDDY KRANTZ-THEME	T/1, R/1, O/1	3 Hours	14 Hours	DISCUSSION
8	THE APPRENTICESHIP OF DUDDY KRANTZ - CRITICAL SUMMATION	T/1, R/3, O/2	1 Hour	15 Hours	DECONSTRUCTED

D. Padma Arthy

PREPARED BY

Ms. D.Padma Arthy

Assistant Professor,

Department of English

Holy Cross Home Science College, Thoothukudi

for S.M

APPROVED BY

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003

Rubha.

SIGNATURE OF THE PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

EVEN SEMESTER 2022-2023

LOVE AND SERVE

Class	Subject
I BSC	Human Development
I BSC	Human Development practical
I B.Sc	Social Value Education
II B.Sc	Nutrition and Health Communication
I M.Sc	Food Product Development Market
I M.Sc	Field Visit

Prepared by: Ms.S.Sulochana

Approved by: Karolin A.

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Home Science College
Thoothukudi

Rubby

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

EVEN SEMESTER 2022-2023

Class	Subject
II B.Sc	Family Resource Management - II
II B.Sc	Family Resource Management – II Practical
III B.Sc	Fundamentals of Baking

Prepared by: Mrs.A.MariThangam

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
THOOTHUKUDI - 628 002

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

EVEN SEMESTER 2022-2023

Class	Subject
I B.Sc	Professional English For Life Sciences – II
II B.Sc	Essentials of Micronutrients
II B.Sc	Essentials of Micronutrients Practical
III B.Sc	Dietetics
III B.Sc	Dietetics Practical

Prepared by: Ms.Ajitha.G

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

EVEN SEMESTER 2022-2023

Class	Subject
I M.Sc	Applied Physiology
I M.Sc	Applied Physiology Practical
II M.Sc	Nutrition Through Fitness

Prepared by: Mrs.C.Sathya Lakshmi

Approved by:

Head of the Department
Department of Food Science & Nutrition
Holy Cross Home Science College
Thoothukudi - 628 003

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
(Autonomous)
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Re-accredited with "B" Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

DEPARTMENT of Food Science and Nutrition

COURSE PLAN
EVEN SEMESTER 2022-23

Class	Subject
II B.Sc	Diet Therapy -II
I M.Sc	Clinical Dietetics II
II M.Sc	Human Factors & Ergonomics

Prepared by
(S.M.D.Mathuravalli)

Approved by
Head of the Department

Head of the Department
Department of Food Science & Nutrition
Holy Cross Homescience College
Thoothukudi

Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

EVEN SEMESTER 2022-2023

Class	Subject
III.B.Sc	Clinical Biochemistry
II.B.Com	Diet Therapy - II
I.B.Sc	Public Health and Community Nutrition
I.B.Sc FD	Professional English For Life Science II

Prepared by: Ms. S.Rajalakshmi

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 002

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

COURSE PLAN

EVEN SEMESTER 2022-2023

Class	Subject
III.B.Sc	Clinical Biochemistry
II.B.Com	Diet Therapy - II
I.B.Sc	Public Health and Community Nutrition
I.B.Sc FD	Professional English For Life Science II

Prepared by: Ms. S.Rajalakshmi

Approved by:

Head of the Department
Department of FoodScience & Nutrition
Holy Cross Homescience College
Thoothukudi

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Re-accredited with B Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

DEPARTMENT OF FASHION DESIGNING & APPAREL MAKING

EVEN SEMESTER (2022-23)

COURSE PLAN

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF FASHION DESIGNNG & APPAREL MAKING

COURSE PLAN -EVEN SEMESTER (2022-23)

CLASS : II FD

SUBJECT : TEXTILE PROCESSING

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Preparation of soaps and detergents	R3/01	2 Hours	2 Hours
2	. Preparation of natural and commercial starches	R2/01	4 Hours	6 Hours
3	Application of stain removal methods on fabrics	R2/01	2 Hours	8 Hours
4	Preparation of samples for processing Desizing □ Scouring	R3/01	3 Hours	11 Hours
5	Preparation of samples for processing □ Bleaching □ Mercerising	R2/01	4 Hours	15 Hours
6	Dye the given fabric using suitable dye □ Reactive dye (Hot & cold) □ Direct dye	R2/01	2 Hours	17 Hours
7	. Dye the given fabric using suitable dye Sulphur dyes □ Vat dyes □ Disperse dyes	R3/01	2 Hours	19 Hours
8	. Dye the given fabric using suitable dye □ Acid dyes	R2/01	2 Hours	21 Hours

	□ Basic dyes □ Vegetable dyes (any one)			
9	preparation of samples for printing- cotton, polyester & silk. Preparation of printing paste	R2/01	2 Hours	23 Hours
10	Create designs with block printing – vegetable, wooden block.	R3/01	1 Hours	24 Hours
11	Create designs with stencil printing – for chest/neck & yoke designs	R2/01	1 Hours	25 Hours
12	Tie & dye designs – single, double &multi color.	R2/01	2 Hours	27 Hours
13	Batik printing - single, double &multi color.	R3/01	2 Hours	29 Hours
14	Print a design using screen printing methods.	R2/01	1 Hours	30 Hours

Class: III B.Sc **Subject: Fashion Portfolio**

UNIT- I Concept of portfolio development:Concept of portfolio development- environment (natural factors), season, color, culture, fabric design, occasion, presentation technique.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Concept of portfolio development environment	RB/ OL	4	4
2.	Portfolio development season	RB/ OL	3	7

3.	Color, culture presentation	RB/OL	2	9
4.	Fabric design, occasion persentation	RB/OL	2	11
5	Portfolio presentation technique	RB/ OL	3	14

UNIT :II Study on mood board, fabric board , theme board, and story board

S.No	Topic	No of reference/ Text Book/ online	Duration (Hrs)	Cumulative period (Hrs)
1.	Study on mood board and fabric board	RB/ OL	4	4
2.	Study of theme board	RB/ OL	4	8
3.	Study of story board	RB/ OL	3	11

UNIT-III Portfolio presentation of kid's wear Mood board- color palette- customer profile- fabric development chart- design development chart- speciation sheet.

S.No	Topic	No of Reference/ Text Book / online	Duration (Hrs)	Cumulative period (Hrs)
1.	Mood board and color palette	RB/ OL	4	4
2.	Fabric development chart Design development chart	RB/ OL	4	8
3.	Speciation chart	RB/ OL	4	12

UNIT –IV Portfolio presentation of women's wear- Mood board- color palette- costumer profile- fabric development chart- design development chart- specification sheet

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Mood board and color palette	RB/ OL	4	4
2.	Costumer profile and fabric development chart	RB/ OL	4	8
3.	Design development chart and specification sheet	RB/ OL	5	13

UNIT – V Portfolio presentation of men's wear- Mood board- color palette- costumer profile- fabric development chart- design development chart- specification sheet.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Mood board and color palette	RB/ OL	3	3

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Beginning of costume, Growth of Dress out of Painting, Cutting	TB1, RB1, OL	4	4
2.	Study of dyed and printed textiles of India – Bhandhani, Patola, Ikkat,	TB1, RB1, OL	2	6
3.	Study of dyed and printed textiles of India Ikkat, Kalamkari	RB1, OL	3	9

Unit- II Study of woven textiles of India- Dacca Muslin, Banarasi, Chanderi brocades, Baluchar, Himrus and Amrus, Kashmir shawl, Pochampalli, Silk sarees of Kancheepuram. used.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Study of woven textiles of India- Dacca Muslin, Banarasi	TB1, RB1, OL	4	4
2.	Study of Chanderi brocades, Baluchar, Himrus and Amrus, Kashmir shawl	TB1, RB1, OL	2	6
3.	Study of Pochampalli, Silk sarees of Kancheepuram.	RB1, OL	3	9

Unit- III : Costumes of India- Traditional Costume of different States of India Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Assam, Orissa, Bihar, Mizoram, Nagaland, West Bengal.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Costumes of India- Traditional Costume of different States of India Tamil Nadu, Kerala	TB1, RB1, OL	4	4
2.	Study of Andhra Pradesh, Karnataka, Assam, Orissa	TB1, RB1, OL	2	6
3.	Study of Bihar, Mizoram, Nagaland, West Bengal.	RB1, OL	3	9

2	Costumer profile and fabric development chart	RB/ OL	3	6
3.	Development chart and specification sheet	RB/ OL	4	10

Class : I B.Sc **Subject: Designing &Construction of Children's We**

Hours : 30

S.No	Topic Name	No.of Reference/Text book/Online	Duration	Cumulative periods
1.	Construction of Bib	Zarapkar system of cutting	3	3
2	Construction of Panties-Plain	Zarapkar system of cutting	3	6
3.	Construction of elastic panty	Zarapkar system of cutting	3	9
4.	Construction of Jabla	Zarapkar system of cutting	2	11
5.	Construction of baba suit type I	Zarapkar system of cutting	2	13
6.	Construction of baba suit type II	Zarapkar system of cutting	3	16
7.	Construction of Princess petticoat	Zarapkar system of cutting	3	19
8.	Construction of Strapped petticoat	Zarapkar system of cutting	3	22
9.	Construction of Cap /Bonnet	Zarapkar system of cutting	2	24
10.	Construction of baby bed set	Zarapkar system of cutting	2	26
11.	Construction of Yoke frock& Umbrella frock	Zarapkar system of cutting	2	28
12.	Construct school uniform for girls& boys	Zarapkar system of cutting	2	30

Class : I B.Sc **Subject: HISTORIC COSTUMES AND TEXTILES OF INDIA**

(45hrs)

Unit- I: *Beginning of costume, Growth of Dress out of Painting, Cutting etc… Study of dyed and printed textiles of India – Bhandhani, Patola, Ikkat, Kalamkari- in all the above and techniques used.*

Unit- IV : Traditional Costume of different States of India Maharashtra, Rajasthan, Haryana, Himachal Pradesh, Utter Pradesh, Jammu and Kashmir, Gujarat, Madhya Pradesh.

S.No	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Traditional Costume of different States of India Maharashtra	TB1, RB1, OL	4	4
2.	Study of Rajasthan, Haryana, Himachal Pradesh, Utter Pradesh	TB1, RB1, OL	2	6
3.	Study of Jammu and Kashmir, Gujarat, Madhya Pradesh	RB1, OL	3	9

Unit- V Traditional Embroideries of India- Origin, Embroidery stitches used- Embroidery of Kashmir, Phulkari of Punjab, Gujarat, Kutch and Kathiawar, Embroidery of Rajasthan, Kasuthi of Karnataka, Chicken work of Lucknow, Kantha of Bengal – in all the above – types & colours of fabric/thread.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Traditional Embroideries of India- Origin, Embroidery stitches used- Embroidery of Kashmir, Phulkari of Punjab, .	TB1, RB1, OL	4	4
2.	Study of Gujarat, Kutch and Kathiawar, Embroidery of Rajasthan, Kasuthi of Karnataka, Chicken work of Lucknow	TB1, RB1, OL	2	6
3.	Study of Kantha of Bengal – in all the above – types & colours of fabric/thread	RB1, OL	3	9

28/12/23

PREPARED BY

(J.Hilda Yernest Packiam)

28/12/2023

APPROVED BY

(Dr.S.M.D.Mathuravalli)

HOD
Dept. of Fashion Designing & Apparel Making
Holy Cross Home Science College
Thoothukudi - 628 003

PRINCIPAL

DEPARTMENT OF FASHION DESIGNNG & APPAREL MAKING

COURSE PLAN- EVEN SEMESTER (2022-23)

CLASS : II FD **SUBJECT : ENTREPRENEURIAL DEVELOPMENT**

UNIT - I

Concept of Entrepreneurship: Definition Nature and Characteristics of Entrepreneurship – Functions and types of Entrepreneurship phases of EDP. Development of women Entrepreneur and rural Entrepreneur – including self employment of women council scheme.

S.No	Topic	No.Of Reference/ Textbooks/online	Duration (Hrs)	Cumulative Period (Hrs)
1	Concept of Entrepreneurship: Definition Nature and Characteristics of Entrepreneurship	TB1,OL	3 Hours	3 Hours
2	Functions and types of Entrepreneurship phases of EDP	TB1,OL	3 Hours	6Hours
3	Development of women Entrepreneur and rural Entrepreneur	TB1,OL	2Hours	8Hours
4	including self employment of women council scheme	TB1,OL	6Hours	14Hours

UNIT – II

The Start- up process, Project Identification – Selection of the product – Project formulation evaluation – Feasibility Analysis, Project Report.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	The Start- up process, Project Identification	TB1,OL	3 Hours	3 Hours
2	Selection of the product – Project formulation evaluation	TB1,OL	3 Hours	6Hours
3	Feasibility Analysis, Project Report.	TB1,OL	5 Hours	11Hours

UNIT - III

Institutional service to Entrepreneur – DIC, SIDO,SIC,SISI,SSIC,SIDCO,ITCOT, IIC, KUIC and commercial Bank.

S.No	*Topic*	No.Of Reference/ Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)

1	Institutional service to Entrepreneur – DIC, SIDO	TB1,OL	2 Hours	2Hours
2	Institutional service to Entrepreneur-SIC,SISI,SSIC,SIDCO,ITCOT	TB1,OL	4 Hours	8Hours
3	IIC, KUIC and commercial Bank.	TB1,OL	4 Hours	12Hours

UNIT –IV

Institutional finance to Entrepreneur – IFCI, SFC, IDBI, ICICI, TIIC, SIDCS, LIC AND GIC, UIT, SIPCOT – SIDBI and commercial Bank venture capitals.

S.No	Topic	No.Of Reference/ Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Institutional finance to Entrepreneur – IFCI, SFC, IDBI	TB1,OL	2 Hours	2Hours
2	Institutional finance to Entrepreneur-ICICI, TIIC, SIDCS, LIC AND GIC, UIT	TB1,OL	4 Hours	8Hours
3	Institutional finance to Entrepreneur-. SIPCOT – SIDBI and commercial Bank venture capitals	TB1,OL	5 Hours	13Hours

UNIT –V

Incentives and subsidies – Subsided Services – Subsidy for market. Transport – seed capital assistance – Taxation benefit to SSI – role of Entrepreneur in export promotion and import substitution.

S.No	Topic	No.Of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Incentives and subsidies – Subsided Services – Subsidy for market.	TB1,OL	2 Hours	2Hours
2	Transport – seed capital assistance – Taxation benefit to SSI	TB1,OL	4 Hours	8Hours
3	Role of Entrepreneur in export promotion and import substitution.	TB1,OL	2Hours	10Hours

Class : II B.SC **Subject: Computer Aided Design**

Total:60 Hours

S.No.	Topic	Duration (Hrs)	Cumulative Period (Hrs)
1.	Motifs / small designs.	3	3

2.	Embroidery designs for kerchiefs, Neck lines	3	6
3.	Chest Prints for T – shirts	3	9
4.	Jabla – different styles	3	12
5.	Frocks –different styles	3	15
6.	Middi and Tops – different styles	3	18
7.	Churidhar – different styles	3	21
8.	Full gowns - different styles	3	24
9.	Middi&Tops - different styles	3	27
10.	Princess line Dress - different styles	3	30
11.	House coats, Aprons, Nighties	3	33
12.	S B Vest	3	36
13.	T- Shirt - different styles	3	39
14.	Shirts - different styles	3	42
15.	Kurtapyjama - different styles	3	45
16.	Create logos for branded companies.	5	50
17.	Create label for garments / companies	5	55
18.	Prepare charts for production planning and scheduling.	5	60

PREPARED BY

(S.Ruzaina Sulthana)

27/12/22

APPROVED BY

(Dr.S.M.D.Mathuravalli)

HOD
Dept. of Fashion Designing & Apparel Mer
Holy Cross Home Science College
Thoothukudi - 628 003

PRINCIPAL

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF FASHION DESIGNING AND APPAREL MAKING

COURSE PLAN - EVEN SEMESTER (2022-23)

Class: II B.Sc

Subject: Technology of Textile finishing

Total : 60 hours

UNIT I **Hrs: 13**

Process sequence of textile wet processing – Basic finishes - Singeing, Desizing, Scouring, Bleaching and Mercerization. Aesthetic finishes -- Glazed, Moire, Embossed, Napped finish. Mechanical Finishing–Sanforising–calendaring–Brushing– Decating–Milling

S.no	Topic	No of Reference / Text Books / Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Introduction of finishing	RB / OL	4	4
2	Aesthetic finishes – Glazed, Moire, Embossed, Napped finish.	TB / RB / OL	4	8
3	Mechanical finishing brushing, decating and milling	TB/RB/ OL	5	13

UNIT II **Hrs:12**

Chemical finishing-wash and wear finishing. Anti-crease finish, durable, stiff finish, denim finish, stone wash finish

Application of silicones in finishing process.

S.No	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Chemical finishing wash and wear finishing	RB/ TB/ OL	3	3
2.	Anti crease finishing, Durable and stiff finishing	RB/ OL	3	6
3.	Denim finishing and stone	RB/ TB/ OL	2	8

	wash finishing			
4.	Application of silicones in finishing process	RB/ OL	4	12

UNIT III **Hrs:12**

Functional finishing- water proof finishes- water repellent finish- flame retardant finish- soil release finish, antimicrobial finish.

Nano Technology in textile finishing

S.No	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Function finishing water proof, water repellent finishing	RB/ TB	4	4
2.	Flame retardant finishing, soil release finishing and antimicrobial finishing	RB / TB	4	8
3.	Nano technology in textile finishing	RB/ TB	4	12

UNIT IV **Hrs: 12**

Eco friendly processing- definishion and importance. Study of conventional processing with eco-Friendly processing. Enzymes- characteristics, type. Application of enzymes in textile.

S.no	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Eco friendly process	RB/ OL	3	3
2.	Conventional processing with eco friendly processing	RB/ OL	4	7
3.	Enzymes characteristic and application of enzymes in textile	RB/ OL	5	12

UNIT V **Hrs:11**

Effluent plant–effects from various plants –various process for treating waste water. Effluent Treatment – Pollution created by the processing unit

S.no	Topic	No of Reference/ text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Effluent plant effects and various plant	RB/ OL	5	5
2.	Effluent Treatment – Pollution created by the processing unit	RB/ OL	6	11

Class: III B.Sc Subject: **Apparel production and quality management**

Total :60 Hours

UNIT- I **Hrs: 14**

Quality definition – Quality and its necessity . Introduction – Inspection its importancefunctions of inspection – systems of inspection – types of inspection – hundred percent inspection – sampling inspection – comparison of 100% inspection and sampling inspection.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Quality definition – Quality and its necessity . Introduction – Inspection its importance functions of inspection	RB/ TB / OL	4	4
2.	systems of inspection, hundred percent inspection, types of inspection	RB / OL	5	9
3.	sampling inspection – comparison of 100% inspection and sampling inspection.	RB / OL	5	14

UNIT II **Hrs: 11**

Quality control in Pattern Making, Grading. Marking, Stitching and Production Analysis – Co coordinating department Activities – Distribution of tickets and Maintenance of records – Establishing Merchandising standards. The quality control of trims and fasteners, sewing thread and accessories.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Quality control in Pattern Making, Grading. Marking, Stitching and Production Analysis	TB/ RB / OL	4	4
2.	Co coordinating department activities – Distribution of tickets and Maintenance of records	TB/ OL	3	7
3.	Establishing Merchandising standards. The quality control of trims and fasteners, sewing thread and accessories.	TB/ OL	4	11

UNIT III **Hrs: 12**

Management: Meaning and definition, Functions and Principles of Management – Planning, organizing, staffing, directing and controlling, Production and productivity.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Management: Meaning and definition, Functions	RB/ OL	6	6
2.	Principles of Management – Planning, organizing, staffing, directing and controlling, Production and productivity.	RB/ OL	6	12

UNIT IV **Hrs:13**

Human resource management: Objectives – Functions and principles of HRD. Recruitment / Training of Supervisors and Executives.

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Functions and principles of	TB/ RB/ OL	6	6

	HRD			
2.	Recruitment / Training of Supervisors and Executives.	RB/OL	7	13

UNIT V **Hrs:10**

a. Quality standards, SQC – Control charts – Sampling – its importance and use of sampling techniques. ISO 9000, ISO 14000. Total quality management, quality circles. b. Marketing channels, Advertising, Sales promotion, Material management – meaning and importance

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Quality standards, SQC – Control charts – Sampling – its importance and use of sampling techniques. ISO 9000, ISO 14000.	RB/ OL	3	3
2.	Total quality management, quality circles. Marketing channels, Advertising	RB/ OL	3	6
3.	Sales promotion, Material management – meaning and importance	RB/ OL	4	10

Class: II B.Sc **Subject: TEXTILE PRINTING**

Total : 45 Hours

UNIT- I **Hrs: 10**

Introduction to printing –definition, Difference between printing and dyeing. Preparation of cloth for printing – cotton, wool, silk, viscose, rayon and polyester. Preparation of printing paste – essential ingredients used in printing paste– various thickening agents and its preparation.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Introduction to printing – definition, Difference between printing and dyeing.	RB/ OL	3	3

2.	Preparation of cloth for printing – cotton, wool, silk, viscose, rayon and polyester.	RB/ OL	3	6
3.	Preparation of printing paste – essential ingredients used in printing paste– various thickening agents and its preparation.	RB/ OL	4	10

UNIT II **Hrs: 8**

Methods of printing – definition, classification – direct, discharge and resist styles, conversion style and crimp style. Foam printing, flock printing, Kalamkari printing, Bubble printing and multi colour printing. After treatments for printed goods.

S.no	Topic	No of Reference / Text Books / Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Methods of printing – definition, classification – direct, discharge and resist styles, conversion style and crimp style.	RB / OL	4	4
2	Foam printing, flock printing, Kalamkari printing, Bubble printing and multi colour printing.	TB / RB / OL	2	6
3	After treatments for printed goods.	TB/RB/ OL	2	8

UNIT III **Hrs: 9**

Printing – Types of Machine for printing, preparation of screen, table and squeezes used for screen-printing. Automatic screen printing, roller printing-faults and it"s rectification, Rotary printing and transfer printing. Advantages and disadvantages of various methods of printing.

S.no	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Printing – Types of Machine for printing, preparation of screen, table and squeezes used for screen-printing.	RB/ OL	3	3
2.	Automatic screen printing,	RB/ OL	3	6

Class : II FSN & B.A English **Subject: Fibre To Fashion**

Hour: 30 hours

Unit- I: Textile fiber – Definition – Properties of textile fiber – classification of fiber. Brief study and important properties of cotton, silk, wool rayon and polyester best fibers – Influences of fiber properties on fabric characteristics

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Textile fiber – Definition	RB1, OL	1	1
2.	Properties of textile fiber	RB1, OL	1	2
3.	classification of fiber	RB1, OL	1	3
4.	Brief study and important properties of cotton, silk, wool rayon	RB1, OL	1	4
5.	polyester best fibers	RB1, OL	1	5
6.	Influences of fiber properties on fabric characteristics	RB1, OL	1	6

UNIT- II: Yarn definition, Classification, types

UNIT- III: Weave – definition, Classification. Study on basic weaves.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Yarn definition	RB1, OL	1	1
2.	Yarn classification	RB1, OL	3	4
3.	Yarn types	RB1, OL	2	6

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Weave – definition	RB1, OL	1	1
2.	Weave classification	RB1, OL	3	4
3.	Study on basic weaves	RB1, OL	2	6

UNIT- IV Fashion – Style – Fad Definition – Sources of Fashion – Terms related to Fashion Industry – Boutique, Collection, Classic Chic Fashion Shows, Fashion Trends and High Fashion.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Fashion – Style – Fad Definition	RB1, OL	1	1
2.	Sources of Fashion – Terms related to Fashion Industry	RB1, OL	2	3
3.	Boutique, Collection, Classic Chic Fashion Shows	TB1,RB1	2	5
4.	Fashion Trends and High Fashion	TB1,TB2	1	6

UNIT- V Role of designer – Researching the market. Design process, sample production. Sources of design inspiration.Types of designer – High fashion designer, Moderate designer, Stylist and freelance designer.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period (Hrs)
1.	Role of designer, Researching the market	TB1, RB1, OL	1	1
2.	Design process, sample production	TB1, RB1, OL	2	3
3.	Sources of design inspiration.	RB1, OL	1	4
4.	Types of designer – High fashion designer, Moderate designer, Stylist and freelance designer.)	RB1, OL	2	6

Class : **Ist B.Sc FD**

Subject : **SURFACE EMBELLISHMENT PRACTICAL** **Hour: 30 hours**

1. Hand Embroidery stitches: Running, Back, Stem, Blanket, Lazy daisy, Chain, Couching, Herring bone and Fish bone
2. Feather: Single and double, Rummanian, Seed, Cross, Fly, Stain, Long and short. Fresh knot, Bullion knot and double knot
3. Lettering: Alphabets and monograms
4. Drawn thread work and cut, shadow, bead, patch, Sequence, belts, bows & mirror works on fabrics

5. Machine Embroidery stitches: Running, Cording, Satin, Long and short, Granite or Round stitch, eyelet, cut work, letters and monogram
6. Fancy stitches on white goods and appliqué
7. Application of smocking, fringes, gathers on dresses
8. Study of traditional Indian embroidery stitch types
9. Fabric used for traditional Indian embroidery and their historical importance
10. Creating style through surface trimmings:Bias trimmings, Ric-Rac, Ruffles, smoking, faggoting, Drawn thread work, cut work, lace, lace, motif, Belts and bows, quilting, crocheting, tatting and hand knitting – Elements and formation of Knit & Purl
11. Patch work and Applique work: Velvet, plain and printed appliqué, Mirror work, Sequins, Patch work, Bead work, shadow work
12. Fabric painting: Using fabric colors, glitters and pastes

Topic No	Topic Name	No.of Reference/ Textbook/ online	Duration	Cumulative Period
1	Hand Embroidery stitches: Running, Back, Stem, Blanket, Lazy daisy, Chain	Mary Mathews	2	2
2	Hand Embroidery stitches: Couching, Herring bone and Fish bone	Mary Mathews	3	5
3	Hand Embroidery stitches: Feather: Single and double, Rummanian, Seed, Cross, Fly, Stain	Mary Mathews	2	7
4	Hand Embroidery stitches: , Long and short. Fresh knot, Bullion knot and double knot	Mary Mathews	2	9
5	Lettering-Alphapbets, Monograms. Drawn thread work and cut	Online ref	3	12
6	shadow,bead,patch,Sequence, belts, bows & mirror works on fabrics	Online ref	2	14
7	Machine Embroidery stitches/ Running, Cording, Satin, Long and short, Granite or Round stitch.	Online ref	2	16

8	Machine Embroidery stitches/ eyelet, cut work, letters and monogram	Online ref	2	18
9	Fancy stitches on white goods and appliqué	Online ref	2	20
10	Application / smocking,fringes, gathers on dresses	Online ref	2	22
11	Study of traditional Indian embroidery stitches / Fabric used , their historical importance	Kamaladevi/ Indi: embroidery	2	24
12	surface trimmings/ Bias, Ric-Rac, Ruffles, smoking,faggoting	Online ref	2	26
13	Drawn thread work, cut work, lace, motif, Belts and bows, quilting, crocheting, tatting	Online ref	1	27
14	Hand knitting Elements and formation of Knit & Purl	Online ref	1	28
15	Patch work, Applique work: Velvet, plain and printed appliqué,	Online ref	2	30

PREPARED BY

(V.Vishagalakshmi)

V.Vishali
27/12/22

APPROVED BY

27/12/22

(Dr.S.M.D Mathuravalli)

PRINCIPAL

HOD
Dept. of Fashion Designing & Apparel Making
Holy Cross Home Science College
Thoothukudi - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKDI

DEPARTMENT OF FASHION DESIGNNG & APPAREL MAKING

COURSE PLAN- EVEN SEMESTER (2022-23)

CLASS: III FD SUBJECT: APPAREL EXPORT TRADE DOCUMENTATION

UNIT - I

Export marketing of apparel, Global seen, Prospects for Indian apparel in overseas market

S.No	Topic	No. of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Export marketing of apparel	TB1,OL	7 Hours	7Hours
2	Global seen, Prospects for Indian apparel in overseas market.	TB1,OL	7 Hours	14 Hours

UNIT-II

A.E.P.C."s role in the administration of export entitlement policy export promotional activities of A.E.P.C

S.No	Topic	No. of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	A.E.P.C."s role in the administration of export	TB1,OL	4 Hours	4Hours
2	Entitlement policy export promotional activities of A.E.P.C	TB1,OL	7 Hours	11 Hours

UNIT-III

Facilities available for garment exporters Cash compensatory support Duty drawback

S.No	Topic	No. of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Facilities available for garment exporters	TB1,OL	4 Hours	4Hours
2	Cash compensatory support Duty drawback	TB1,OL	8 Hours	12Hours

UNIT-IV

Export finance through banks Export credit Guarantee Corporation Export- Import bank.

S.No	Topic	No. of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Export finance through banks	TB1,OL	4Hours	4Hours
2	Export credit Guarantee Corporation Export-Import bank.	TB1,OL	9 Hours	13Hours

UNIT-V

Marketing - Market development assistance 100% Export Oriented scheme of the government of India Free trade zone.

S.No	Topic	No. of Reference/Textbooks /online	Duration (Hrs)	Cumulative Period (Hrs)
1	Marketing - Market development assistance	TB1,OL	4Hours	4Hours
2	100% Export Oriented scheme of the government of India Free trade zone.	TB1,OL	6 Hours	10 Hours

CLASS : III B.SC **SUBJECT: TEXTILE TESTING AND QUALITY CONTROL**

Unit – I: 14 hrs

(Introduction to Textile Testing and Quality Control – Definition, Importance of Textile testing and quality control, Routine tests performed in Textile Industry.)

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period (Hrs)
1.	Introduction to Textile Testing and Quality Control	TB1, TB2, OL	5	5
2.	Importance of Textile testing and quality control	TB1, TB2, OL	5	10
3.	Routine tests performed in Textile	TB2, OL	4	14

	Industry			

Unit –II 12 hrs

(FIBRE ANALYSIS: Identification of Textile Fibre – Burning, Solvent, Longitudinal and Cross sectional view of Cotton, Wool, Polyester, Nylon, Acrylic fibres. Cotton fibre length, strength- single & bundle strength - Fibre fineness.)

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Identification of Textile Fibre – Burning, Solvent	TB1, TB2	2	2
2.	Longitudinal and Cross sectional view of Cotton, Wool, Polyester	TB1, TB2	3	5
3.	Hepatiti Longitudinal and Cross sectional view of Nylon, Acrylic fibres.	TB1, TB2	3	8
4.	Cotton fibre length	TB1,TB2	2	10
5.	strength- single & bundle strength - Fibre fineness	TB1	2	12

Unit –III: 11 hrs

(YARN ANALYSIS: Yarn numbering, wales, courses, density, evenness Yarn strength, Twist and crimp. Colour fastness tests in Textiles – Crocking, Perspiration, Sunlight, Laundering.)

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period(Hrs)
1.	Yarn numbering, wales, courses, density, evenness	TB1, TB2	3	3
2.	Yarn strength, Twist and crimp	TB1, TB2	2	5
3.	fastness tests in Textiles – Crocking, Perspiration	TB1	3	8
4.	Sunlight, Laundering	TB1,TB2	3	11

Unit – IV: 12 hrs

(FABRIC ANALYSIS: Length, Width, Bow, Skegness, Weight, Thickness, Breaking Strength, Abrasion Resistance, Crease Recovery, Stiffness of fabrics and drapability.)

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period (Hrs)

1.	FABRIC ANALYSIS: Length, Width, Bow, Skegness	TB1, TB2	4	4
2.	Thickness, Breaking Strength, Abrasion Resistance	TB1, TB2	4	8
3.	Crease Recovery, Stiffness of fabrics and drapability	TB1, TB2	4	12

Unit – V: 11 hrs

Additional test for fibres and Yarn –Microscope, Weight method, Air flow method, Wet strength and elongation of filament yarn, Knot strength, Loop strength for filament yarn, Crimp.

S.No.	Topic	Reference Book/Text Book/ Online	Duration (Hrs)	Cumulative Period (Hrs)
1.	Additional test for fibres and Yarn –Microscope, Weight method	TB1, TB2, OL	3	3
2.	Air flow method, Wet strength and elongation of filament yarn	TB1, TB2, OL	3	6
3.	Air flow method, Wet strength and elongation of filament yarn	TB1, TB2, OL	3	9
4.	Knot strength, Loop strength for filament yarn, Crimp	TB1,TB2	2	11

CLASS: I B.SC SUBJECT: PATTERN MAKING & GRADING Total: 75hrs

UNIT-I

Method of pattern making –drafting, draping and flat pattern methods. Drafting principles of drafting. Steps in drafting children's and adults bodice and sleeve patterns. Draping- preparation of dress form. Draping techniques flat patterns techniques definition. Pivot ,slash and spread method.

S.No	Topic	No of Reference/ Text Book/Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Pattern making method drafting, draping and flat pattern method	RB/TB/OL	3	3
2.	Drafting principles, children and adults bodies, sleeves pattern	RB/TB/OL	4	7

3.	Drafting preparation dress form, drafting techniques and flat pattern techniques	RB/TB	4	11
4.	Pivot, slash and spread method	TB/RB/OL	4	15

UNIT- II

Study of commercial pattern measurement birth of commercial pattern. Preparation of commercial pattern. Body measurement- importance and principles of taking body measurements. Methods of taking body measurements of different garments.

S.No	Topic	No of Reference/ Text Book/Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Study of commercial pattern measurement birth and commercial pattern	TB/OL	5	5
2.	Preparation of commercial pattern	TB/OL	3	8
3.	Body measurement importance, principles and taking body measurement.	TB/OL	4	12
4.	Method of taking body measurement of different garment.	TB/OL	3	15

UNIT-III

Pattern layout- Rules in pattern layout common methods for layout. Layout of asymmetrical designs. Bold designs character and one way design. Economy of fabrics in placing pattern- adjusting the fabric of patterns rules for placement of fabrics if not sufficient.

S.No	Topic	No of Reference/ Text Book/Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rules in pattern layout	TB/OL	4	4
2.	Layout of asymmetrical design	TB/OL	3	7
3.	Bold design and one way design character	TB/OL	4	11
4.	Economy of fabric in placing pattern	TB/OL	4	15

UNIT-IV

Fitting and pattern alteration fitting. Definition- principle for good fit causes for poor fit. Checking the fit of a garment, solving fitting problems in various garment-basic principles fitting techniques-

Unit - IV Polymer

Polymer - Extrusion Based Technologies Spunbond technology- Raw Material and process sequence, Melt blown technology- Raw Material and process sequence

S.No	Topic	No of Reference/ Text Book/Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Polymer - Extrusion Based Technologies	TB/OL	5	5
2.	Spunbond technology- Raw Material and process Sequence	TB/OL	5	10
3.	Melt blown technology- Raw Material and process sequence	TB/OL	5	15

Unit – V Structure of non-wovens- Web geometry, fiber orientation curl factor, web density. Identification, properties and application of different non-wovens. Methods of tests: porosity, tear strength, air permeability, tensile strength, 3-point bending test, fatigue test, CBR Loading, cone puncture test, abrasion test,peeling test, pilling test, study of DIN standards

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Web geometry, fiber orientation curl factor, web density.	TB/RB/OL	5	5
2.	Methods of tests: porosity, tear strength, air permeability, tensile strength	TB/RB/OL	5	10
3.	CBR Loading, cone puncture test, abrasion test,peeling test, pilling test, study of DIN standards	TB/RB/OL	5	15

CLASS : III B.SC **SUBJECT: TEXTILE TESTING AND QUALITY CONTROL**

- **Identification of fibre**
- **Identification of yarn**
- **Identification of fabric**

Hours: 60

S.No	Topic	Duration (Hrs)	Cumulative period (Hrs)
1.	Identification of fibre length	4 hours	4 hours
2.	Yarn count - Pick glass	2 hours	6 hours
3.	Beesley balance	4 hours	10 hours
4.	Yarn twist	4 hours	14 hours
5.	Thickness testing	4 hours	18 hours
6.	Stiffness testing	5 hours	23 hours
7.	Abrasion testing	5 hours	28 hours
8.	Drape testing	5 hours	33 hours
9.	Crease recovery	5 hours	38 hours
10.	Color fastness – laundry	4 hours	42 hours
11.	Color fastness – abrasion	5 hours	47 hours
12.	Wet fastness	5 hours	52 hours
13.	Dry fastness	3 hours	55 hours
14.	Sunlight fastness	5 hours	60 hours

28/12/22

PREPARED BY

(B.K.Binisha Joji)

28/12/2022

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

APPROVED BY

(Dr.S.M.D.Mathuravalli)

HOD
Dept. of Fashion Designing & Apparel M...
Holy Cross Home Science College
Thoothukudi - 628 003

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Even Semester)

R. Wah

Prepared by

Mrs. R.Waheetha
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

R. Wah.

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 002

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : **C++ PROGRAMMING**

Handled by : **Mrs R. Waheetha**

Unit – I : Principles of Object Oriented Programming

Basic Concepts of Object Oriented Programming. **Classes and Objects:** Introduction – Specifying a Class – Defining Member Functions – Making an Outside Function Inline – Nesting of Member Functions - Private Member Functions – Static Data Members – Static Member Functions – Arrays of Objects – Objects as function arguments – Friendly Functions – Returning Objects .

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Methods	Cumulative Period(hrs)
1	Basic Concepts of Object Oriented Programming	T/1,R/1	2	LM	2
2	**Classes and Objects:** Introduction	T/1	2	LM	4
3	Specifying a Class – Defining Member Functions	T/1,R/1	2	Demo	6
4	Making an Outside Function Inline , Nesting of Member Functions	T/1,R/1	2	ppt	8
5	Private Member Functions, Static Data Members , Static Member Functions, Arrays of Objects	T/1	2	ppt	10
6	Objects as function arguments, Friendly Functions, Returning Objects .	T/1	2	LM	12

Unit – II : Constructors and Destructors

Introduction – Constructors – Parameterized Constructors – Multiple Constructors in a class – Constructors with Default Arguments – Dynamic Initialization of Objects – Copy Constructors – Dynamic Constructors – const objects - Destructors.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Method	Cumulative Period(hrs)
1	Introduction, Constructors	T/1	2	LM	2
2	Parameterized Constructors	T/1	2	Demo	4
3	Multiple Constructors in a class	T/1, R/1	2	Demo	6
4	Constructors with Default Arguments	T/1	1	Discussion	7
5	Dynamic Initialization of Objects	T/1, R/1	2	LM	9
7	Copy Constructor, Dynamic Constructors	T/1, R/1	2	Quiz	11
8	Const objects , Destructors.	T/1, R/1	1	LM	12

Unit – III : Operator Overloading, Type Conversions and Inheritance

Defining Operator Overloading – Overloading Unary Operators – Overloading Binary Operators – Overloading Binary Operators using Friends – Rules for Overloading Operators – Type Conversions. **Inheritance (Extending Classes):** Introduction – Defining Derived Class – Single Inheritance - Making a Private Member Inheritable – Multilevel Inheritance – Multiple Inheritance – Hierarchical Inheritance – Hybrid Inheritance – Virtual Base Classes - Abstract Classes.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Method	Cumulative Period(hrs)
1	Defining Operator Overloading, Overloading Unary Operators	T/1, R/1	2	Demo	2
2	Overloading Binary Operators, Overloading Binary Operators using Friends	T/1, R/1	2	Discussion	4
3	Rules for Overloading Operators, Type Conversions	T/1, R/1	1	LM	5
4	**Inheritance (Extending Classes):** Introduction, Defining Derived Class	T/1, R/1	1	Discussion	6

5	Single Inheritance, Making a Private Member Inheritable	T/1, R/1	2	Demo	8
7	Multilevel Inheritance	T/1, R/1	1	Demo	9
8	Multiple Inheritance	T/1, R/1	1	LM	10
9	Hierarchical Inheritance	T/1, R/1	2	Ppt	12
10	Hybrid Inheritance	T/1, R/1	1	Ppt	13
11	Virtual Base Classes , Abstract Classes.	T/1, R/1	1	Demo	14

Unit – IV : Pointers, Virtual Functions and Polymorphism

Pointers - Pointers to Objects – this Pointer – Pointers to Derived Classes – Virtual Functions - Pure Virtual Functions. **Managing Console I/O Operations:** Introduction – C++ Streams – C++ Stream Classes – Unformatted I/O operations – Managing Output with Manipulators.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Method	Cumulative Period(hrs)
1	Pointers - Pointers to Objects	T/1, R/1	2	LM	2
2	this Pointer – Pointers to Derived Classes	T/1, R/1	2	Ppt	4
3	Virtual Functions - Pure Virtual Functions	T/1, R/1	3	LM	7
4	**Managing Console I/O Operations:** Introduction	T/1, R/1	1	LM	8
5	C++ Stream Classes	T/1, R/1	1	Ppt	9
7	Unformatted I/O operations	T/1, R/1	2	Quiz	11
8	Managing Output with Manipulators.	T/1, R/1	1	LM	12

Unit – V: Files and Templates

Working with Files: Introduction – Classes for File Stream Operations – Opening and Closing a file – Detecting end-of-file – File Modes – Sequential Input and Output Operations. **Templates:** Introduction - Class Templates – Function Templates.

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Method	Cumulative Period(hrs)
1	**Working with Files:** Introduction	T/1, R/1	1	LM	1
2	Classes for File Stream Operations	T/1, R/1	2	Demo	3
3	Opening and Closing a file – Detecting end-of-file	T/1, R/1	2	Demo	5
4	File Modes	T/1, R/1	1	LM	6
5	Sequential Input and Output Operations	T/1, R/1	2	LM	8
7	**Templates:** Introduction - Class Templates	T/1, R/1	1	Ppt	9
8	Function Templates	T/1, R/1	1	Ppt	10

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : **C++ PROGRAMMING LAB**

Subject Handled by : **Mrs R. Waheetha**

1) Program with a Class and Member Functions.

2) Program to Overload Function.(minimum three geometric figures)

3) Program to implement Parameterized Constructor.

4) Program to implement Friend Function (minimum two classes)

5) Program to Overload Unary Minus Operator.

6) Program to Overload Binary Plus Operator.

7) Program to implement Multiple Inheritance for Family Details.

8) Program to implement Multilevel Inheritance for Bank Customer Details.

9) Program to implement Hierarchical Inheritance for Students Details.

10) Program to implement Virtual Function.

Topic No	Topic Name	Duration (hrs)	Teaching Method	Cumulative Period(hrs)
1	Program with a Class and Member Functions.	4	Demo	4
2	Program to Overload Function.(minimum three geometric figures)	4	Demo	8
3	Program to implement Parameterized Constructor.	4	Demo	12
4	Program to implement Friend Function (minimum two classes)	4	Demo	16
5	Program to Overload Unary Minus Operator.	4	Demo	20

6	Program to Overload Binary Plus Operator.	4	Demo	24
7	Program to implement Multiple Inheritance for Family Details.	4	Demo	28
8	Program to implement Multilevel Inheritance for Bank Customer Details.	4	Demo	32
9	Program to implement Hierarchical Inheritance for Students Details.	4	Demo	36
10	Program to implement Virtual Function.	4	Demo	40

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Dept of Computer Science

COURSE PLAN

Class : III B.Sc (Computer Science)

Subject Name : **SOFTWARE ENGINEERING AND TESTING**

Subject Handeled by : **Mrs. R. Waheetha**

Unit I Introduction:- Evolution – From an Art form on Engineering Discipline: Evolution of an Art into an Engineering Discipline. – Software Development of Projects: Program versus Product – Emergence of Software Engineering: Early Computer Programming – High Level Language Programming – Control Flow-based Design – Data Structure Oriented Design – Object Oriented Design. **Software Life Cycle Models:-** A few Basic Concepts – Waterfall Model and its Extension: Classical Waterfall Model – Iterative Waterfall Model – Prototyping Model – Evolutionary Model. – Rapid Application Development (RAD): Working of RAD. –Spiral Model.

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Learning Methodology	Cummulative Period(hrs)
1	Evolution – From an Art form on Engineering Discipline: Evolution of an Art into an Engineering Discipline.	T/1, R/1	1.30	LM	1.30
2	Software Development of Projects: Program versus Product	T/1	1	Ppt	2.30
3	Emergence of Software Engineering: Early Computer Programming – High Level Language Programming	T/1	1.30	Demo	4
4	Control Flow-based Design – Data Structure Oriented Design	T/1, R/1	1	LM	5
5	Data Structure Oriented Design – Object Oriented Design	T/1, R/1	1	LM	6
6	**Software Life Cycle Models:-** A few Basic Concepts	T/1, R/1	1	LM	7
7	Waterfall Model and its Extension: Classical Waterfall Model	T/1, R/1	1	Demo	8
8	Iterative Waterfall Model	T/1	1	Demo	9
9.	Prototyping Model	T/1	1	Ppt	10
10	Evolutionary Model. – Rapid Application Development (RAD)	T/1, R/1	1	Ppt	11
11	Working of RAD. –Spiral Model.	T/1, R/1	1	Ppt	12

Unit II: Software Project Management:- Responsibilities of a Software Project Manager – Project Planning- Project Estimation Techniques-Risk Management. **Requirements Analysis and Specification:-** Requirements Gathering and Analysis – Software Requirements Specifications (SRS):Users of SRS Document – Characteristics of a Good SRS Document – Important Categories of Customer Requirements – Functional Requirements – How to Identify the Functional Requirements? – Organisation of the SRS Document.

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Learning Methodology	Cummulative Period(hrs)
1	Responsibilities of a Software Project Manager	T/1, R/1	1.30	GD	1.30
2	Project Planning	T/1	1	Discussion	2.30
3	Project Estimation Techniques	T/1	1.30	LM	4
4	Risk Management	T/1, R/1	1	Discussion	5
5	**Requirements Analysis and Specification:-** Requirements Gathering and Analysis	T/1, R/1	1	LM	6
6	Software Requirements Specifications	T/1, R/1	1	Quiz	7
7	Users of SRS Document – Characteristics of a Good SRS Document	T/1, R/1	1	Ppt	8
8	Important Categories of Customer Requirements	T/1	1	Ppt	9
9.	Functional Requirements	T/1	1	LM	10
10	How to Identify the Functional Requirements?	T/1, R/1	1	GD	11
11	Organisation of the SRS Document	T/1, R/1	1	Ppt	12

Unit III :Software Design:- Overview of the Design Process: Outcome of the Design Process – Classification of Design Activities. – How to Characterize a good Software Design? Function-Oriented Software Design:- Overview of SA/SD Methodology – Structured Analysis – Developing the DFD Model of a System: Context Diagram – Structured Design – Detailed Design.(12L)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Teaching Methodology	Cummulative Period(hrs)
1	Overview of the Design Process: Outcome of the Design Process – Classification of Design Activities.	T/1, R/1	1	Ppt	1
2	Classification of Design Activities.	T/1	2	LM	3
3	How to Characterize a good Software Design?	T/1	2	Discussion	5.30
4	Overview of SA/SD Methodology-Structured Analysis	T/1, R/1	1.30	Demo	6.30
5	Developing the DFD Model of a System: Context Diagram	T/1, R/1	1.30	Demo	8
6	Context Diagram – Structured Design	T/1, R/1	1.30	LM	9.30
7	Structured Design	T/1, R/1	2	LM	10
8	Detailed Design	T/1	2	LM	12

Unit-IV User Interface Design:- Characteristics of a good User Interface - Basic Concepts – Types of User Interfaces – Fundamentals of Components based GUI Development: Window System. Coding and Testing:- Coding – Software Documentation – Testing: Basic Concepts and Terminologies – Testing Activities. – Unit Testing – Black-box Testing: Equivalence Class Partitioning – Boundary Value Analysis-White-box Testing.(12L)

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Teaching Methodology	Cummulative Period(hrs)
1	Characteristics of a good User Interface - Basic Concepts	T/1, R/1	1	Ppt	1
2	Types of User Interfaces – Fundamentals of Components based GUI Development: Window System.	T/1	1	LM	2
3	Coding – Software Documentation	T/1	1	Discussion	3
4	Testing: Basic Concepts and Terminologies – Testing Activities	T/1, R/1	1	LM	4
5	Unit Testing	T/1, R/1	1	LM	5
6	Black-box Testing: Equivalence Class Partitioning	T/1, R/1	1	Ppt	6
7	Boundary Value Analysis. – White-box Testing	T/1, R/1	1.30	Ppt	7.30
8	Debugging: Debugging	T/1	1.30	LM	8

	Approaches.				
9.	Integration Testing	T/1	1.30	Quiz	9.30
10	System Testing: Smoke Testing	T/1, R/1	1	Ppt	10.30
11	White box testing	T/1, R/1	1.30	LM	12

Unit-V Software Reliability and Quality Management:- Software Reliability: Hardware versus Software Reliability. – Software Quality – Software Quality Management System – ISO 9000: What is ISO 9000 Certification? – ISO 9000 for Software Industry – Shortcomings of ISO 9000 Certification. – SEI Capability Maturity Model: Level 1 to Level 5. Software Maintenance:- Characteristics of Software

Topic No	Topic Name	No.of Ref/text/online	Duration (hrs)	Cummulative Period(hrs)
1	Software Reliability: Hardware versus Software Reliability	T/1, R/1	1	1
2	Software Quality	T/1	1	2
3	Software Quality Management System – ISO 9000	T/1	2	4
4	What is ISO 9000 Certification?	T/1, R/1	1	5
5	ISO 9000 for Software Industry	T/1, R/1	1.30	6.30
6	Shortcomings of ISO 9000 Certification	T/1, R/1	1	7.30
7	SEI Capability Maturity Model: Level 1 to Level 5	T/1, R/1	1	8.30
8	Case Environment – CASE Support in Software Life Cycle	T/1	1	9.30
9.	Characteristics of Software Maintenance:	T/1	1	10.30
10	Characteristics of Software Evolution	T/1, R/1	1.30	12

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Even Semester)

X. Della

Prepared by

Mrs. X. Della
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

R. Wal

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : Data Structures

Handled by : Mrs. X.Della

Unit – I

Basic Concepts:- Algorithm specification – Data Abstraction – Performance Analysis. **Arrays and Structures:-** Arrays: Abstract data type – Polynomials – Sparse Matrices – Representation of Multidimensional Arrays. (12L)

S.No.	Topic	Number of Ref/ Textbook	Teaching Methodology	Duration	Cumulative Period
1.	Introduction to Data Structures	T/1	LM	1 Hr	1 Hr
2.	Basic Concepts	T/1	LM	1 Hr	2 Hrs
3.	Algorithm Specification	T/1	LM	1 Hr	3 Hrs
4.	Data Abstraction	T/1	LM	1 Hr	4 Hrs
5.	Performance Analysis.	T/1	LM	1 Hr	5 Hrs
6.	Space Complexity and Time Complexity	T/1	LM	1 Hr	6 Hrs
7.	Arrays: Abstract data type	T/1	LM	1 Hr	7 Hrs
8.	Polynomials	T/1	LM	1 Hr	8 Hrs
9.	Representation and Addition	T/1	LM	1 Hr	9 Hrs
10.	Sparse Matrices	T/1	LM	1 Hr	10 Hrs
11.	Transpose and Multiplication	T/1	LM	1 Hr	11 Hrs
12.	Representation of Multidimensional Arrays	T/1	LM	1 Hr	12 Hrs

Unit - II

Stacks and Queues:- Stacks – Queues – Evaluation of Expressions. **Linked Lists**:- Singly Linked Lists and Chains – Linked Stacks and Queues – Polynomials: Polynomial Representation – Adding Polynomials. Sparse Matrices: Sparse Matrix Representation. – Doubly Linked Lists. (12L)

S.No.	Topic	Number of Ref/ Textbook	Teaching Methodology	Duration	Cumulative Period
1.	Stacks Data Structure	T/1 R/1	LM	1 Hr	1 Hr
2.	Stack Operations	T/1 R/1	Demo	1 Hr	2 Hrs
3.	Queues Data Structure	T/1 R/1	LM	1 Hr	3 Hrs
4.	Queue Operations	T/1 R/1	Demo	1 Hr	4 Hrs

5.	Evaluation of Expressions	T/1 R/1	LM	1 Hr	5 Hrs
6.	Singly Linked Lists and Chains	T/1 R/1	LM	1 Hr	6 Hrs
7.	Linked Stacks	T/1 R/1	Demo	1 Hr	7 Hrs
8.	Linked Queues	T/1 R/1	Demo	1 Hr	8 Hrs
9.	Polynomials: Polynomial Representation	T/1 R/1	LM	1 Hr	9 Hrs
10.	Adding Polynomials	T/1 R/1	LM	1 Hr	10 Hrs
11.	Sparse Matrix Representation	T/1 R/1	LM	1 Hr	11 Hrs
12.	Doubly Linked Lists	T/1 R/1	LM	1 Hr	12 Hrs

Unit – III

Trees:- Introduction – Binary Trees – Binary Tree Traversals: Inorder Traversal – Preorder Traversal – Postorder Traversal. Heaps – Binary Search Trees - Forests: Transforming a Forest into a Binary Tree. (12L)

S.No.	Topic	Number of Ref/ Textbook	Teaching Methodology	Duration	Cumulative Period
1.	Trees : Introduction	T/1 R/1	LM	1 Hr	1 Hr
2.	Binary Trees	T/1 R/1	LM	1 Hr	2 Hrs
3.	Binary Tree Traversals	T/1 R/1	PPT	1 Hr	3 Hrs
4.	Inorder Traversal	T/1 R/1	PPT	1 Hr	4 Hrs
5.	Preorder Traversal	T/1 R/1	PPT	1 Hr	5 Hrs
6.	Postorder Traversal	T/1 R/1	PPT	1 Hr	6 Hrs
7.	Heaps	T/1 R/1	PPT	1 Hr	7 Hrs
8.	Binary Search Trees	T/1 R/1	PPT	1 Hr	8 Hrs
9.	Forests	T/1 R/1	PPT	1 Hr	9 Hrs
10.	Transforming a Forest into a Binary Tree	T/1 R/1	PPT	1 Hr	10 Hrs
11.	Application Problems	T/1 R/1	Assignment	1 Hr	11 Hrs
12	Implementation of Trees in C	T/1 R/1	Practical	1 Hr	12 Hrs

Unit – IV

Graphs: - The Graph Abstract Data Type-Elementary Graph Operations – Minimum Cost Spanning Trees: Kruskal's Algorithm – Prim's Algorithm. – Shortest Paths and Transitive Closure: Single Source/ All Destination: Nonnegative Edge Costs - All Pairs Shortest Paths. (12L)

S.No.	Topic	Number of Ref/ Textbook	Teaching Methodology	Duration	Cumulative Period
1.	The Graph Abstract Data Type	T/1 R/1/2	LM	1 Hr	1 Hr
2.	Elementary Graph Operations	T/1 R/1/2	LM	1 Hr	2 Hrs
3.	Spanning Trees	T/1 R/1/2	LM	1 Hr	3 Hrs
4.	Minimum Cost Spanning Trees	T/1 R/1/2	PPT	1 Hr	4 Hrs
5.	Kruskal's Algorithm	T/1 R/1/2	PPT	1 Hr	5 Hrs

6.	Prim's Algorithm	T/1 R/1/2	PPT	1 Hr	6 Hrs
7.	Shortest Paths and Transitive Closure	T/1 R/1/2	PPT	1 Hr	7 Hrs
8.	Single Source/ All Destination	T/1 R/1/2	PPT	1 Hr	8 Hrs
9.	Nonnegative Edge Costs	T/1 R/1/2	PPT	1 Hr	9 Hrs
10.	All Pairs Shortest Paths.	T/1 R/1/2	PPT	1 Hr	10 Hrs
11.	Implementation of Graph in C	T/1 R/1/2	Practical	2 Hrs	12 Hrs

Unit – V

Sorting:- Motivation – Insertion Sort – Quick Sort – Merge Sort: Recursive Merge Sort. – Heap Sort – External Sorting: Introduction – k-way Merging..**Hashing**:- Static Hashing: Hash Tables. (12L)

S.No.	Topic	Number of Ref/ Textbook	Teaching Methodology	Duration	Cumulative Period
1.	Sorting : Motivation	T/1 R/1/2	LM	1 Hr	1 Hr
2.	Insertion Sort	T/1 R/1/2	LM	1 Hr	2 Hrs
3.	Quick Sort	T/1 R/1/2	Demo	1 Hr	3 Hrs
4.	Merge Sort: Recursive Merge Sort.	T/1 R/1/2	Demo	1 Hr	4 Hrs
5.	Heap Sort	T/1 R/1/2	Demo	1 Hr	5 Hrs
6.	External Sorting: Introduction	T/1 R/1/2	Demo	1 Hr	6 Hrs
7.	k-way Merging	T/1 R/1/2	Demo	1 Hr	7 Hrs
8.	Hashing	T/1 R/1/2	PPT	1 Hr	8 Hrs
9.	Static Hashing	T/1 R/1/2	PPT	1 Hr	9 Hrs
10.	Hash Tables	T/1 R/1/2	PPT	1 Hr	10 Hrs
11.	Implementation of Sorting Algorithms in C	T/1 R/1/2	Assignment	2 Hrs	12 Hrs

Text Book:

Fundamentals of Data Structures in C by Ellis Horowitz, Sartaj Sahni, Susan Anderson-Freed – Second Edition – Universities Press (India) Private Limited.

Reference Books:

1. Data Structures Using C, Second Edition by Reema Thareja – Oxford University Press

2. Data Structures by Dr N Jeya Prakash – Anuradha Publications

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI
DEPARTMENT OF COMPUTER SCIENCE
COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : Data Structure Lab

Handled by : Mrs. X.Della

Practical List

1. Search an element in a list using Binary Search
2. Implementation of Stack –Push and Pop
3. Implementation of Queue – Enqueue and Dequeue
4. Implementation of Binary Tree traversal using recursion
   (a)Preorder (b)In-order (c) Post order
5. Implementation of Breadth First Search Algorithm
6. Implementation of Depth First Search Algorithm
7. Implementation of Merge Sort
8. Implementation of Quick Sort

Topic No.	Topic Name	Duration	Cumulative Period
1	Search an element in a list using Binary Search	5 Hours	5 Hours
2	Implementation of Stack –Push and Pop	5 Hours	10 Hours
3	Implementation of Queue – Enqueue and Dequeue	5 Hours	15 Hours
4	Implementation of Binary Tree traversal using recursion (a)Preorder (b)In-order (c) Post order	5 Hours	20 Hours
5	Implementation of Breadth First Search Algorithm	6 Hours	26 Hours
6	Implementation of Depth First Search Algorithm	6 Hours	32 Hours
7	Implementation of Merge Sort	6 Hours	38 Hours
8	Implementation of Quick Sort	7 Hours	45 Hours

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI.

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : III B.Sc (Computer Science)

Subject Name : Computer Graphics and Visualization

Handled by : Mrs. X. Della

Unit I :

Overview of Graphics System: Video Display Devices – Input Devices - Hard Copy Devices – Graphics Software. **Output Primitives**: Points and Lines –Line drawing algorithms – DDA algorithm- Bresenham's line algorithm- Circle drawing algorithms: properties of circles – Midpointcircle algorithm – Filled Area primitives. (12L + 3T)

Topic No	Topic Name	No. of Ref/text/ Online	Teaching Methodology	Duration	Cumulative Period
1.	Video Display Devices	T/1	LM	1 Hr	1 Hr
2.	Input Devices	T/1	LM	1 Hr	2 Hrs
3.	Hard Copy Devices	T/1	LM	1 Hr	3 Hrs
4.	Graphics Software	T/1/Online	LM/Tutorial	2 Hrs	5 Hrs
5.	Points and Lines	T/1	LM	1 Hr	6 Hrs
6.	Line drawing algorithms	T/1,R/1	LM	2 Hrs	8 Hrs
7.	DDA algorithm	T/1,R/2	Demo	1 Hr	9 Hrs
8.	Bresenham's line algorithm	T/1.R/1	Demo	1 Hr	10 Hrs
9.	Properties of circles	T/1, R/1	LM	1 Hr	11 Hrs
10.	Midpoint circle algorithm	T/1,R/1	Demo	1 Hr	12 Hrs
11.	Filled Area primitives	T/1	LM	1 Hr	13 Hrs
12.	Implementation of algorithm	Online	Tutorial	2 Hrs	15 Hrs

Unit II:

Attributes of Output Primitives: Line attributes – Curve attributes – Character attributes. **Two-Dimensional Geometric Transformation**: Basic Transformations – Matrix Representations and homogenous coordinates – Composite and other Transformations. (12L + 3T)

Topic No	Topic Name	No. of Ref/text/ online	Teaching Methodology	Duration	Cumulative Period
1.	Line attributes	T/1	LM	2 Hrs	2 Hrs
2.	Curve attributes	T/1	LM	2 Hrs	4 Hrs
3.	Character attributes	T/1	Tutorial	3 Hrs	7 Hrs
4.	Basic Transformations	T/1, Online	LM/Tutorial	3 Hrs	10 Hrs
5.	Matrix Representations and homogenous coordinates	T/1	LM	2 Hrs	12 Hrs
6.	Composite and other Transformations	T/1, Online	LM/Tutorial	3 Hrs	15 Hrs

Unit III

Two-Dimensional Viewing: The viewing pipeline, Viewing co-ordinate reference frame – Window to view port co-ordinate transformation – Two-dimensional viewing function. **Clipping Operations**: Point clipping – Line clipping (only Cohen-Sutherland line clipping) – Polygon Clipping (only Sutherland-Hodgeman polygon clipping). (12L + 3T)

Topic No	Topic Name	No. of Ref/text/ online	Teaching Methodology	Duration	Cumulative Period
1.	The viewing pipeline	T/1	LM	1 Hr	1 Hr
2.	Viewing co-ordinate reference frame	T/1	LM	2 Hrs	3 Hrs
3.	Window to view port co-ordinate transformation	T/1, Online	LM/Tutorial	3 Hrs	6 Hrs
4.	Two-dimensional viewing function	T/1	LM	2 Hrs	8 Hrs
5.	Point clipping	T/1	LM	1 Hr	9 Hrs
6.	Line clipping (only Cohen-Sutherland line clipping)	T/1,R1. Online	LM/Tutorial	3 Hrs	12 Hrs
7.	– Polygon Clipping (only Sutherland-Hodgeman polygon clipping)	T/1,R/2, Online	LM/Tutorial	3 Hrs	15 Hrs

Unit IV

Interactive Input Methods: Input of graphical data – Input functions – Three dimensional display methods. **Three Dimensional Geometric and Modeling Transformations**: Translation - Rotation – Scaling (12L + 3T)

Topic No	Topic Name	No. of Ref/text/ online	Teaching Methodology	Duration	Cumulative Period
1.	Input of graphical data	T/1	LM	2 Hrs	2 Hrs
2.	Input functions	T/1	LM	2 Hrs	4 Hrs
3.	Three dimensional display methods	T/1	LM	2 Hrs	6 Hrs
4.	**Three Dimensional Geometric and Modeling Transformations**: Translation	T/1,R3, Online	LM/Tutorial	3 Hrs	9 Hrs
5.	Rotation	T/1,R2, Online	LM/Tutorial	3 Hrs	12 Hrs
6.	Scaling	T/1,R2, Online	LM/Tutorial	3 Hrs	15 Hrs

Unit V

Three Dimensional Viewing: Viewing Pipeline, Projections. **Visible-surface deduction methods:** Back-face Detection - Depth buffer method. **Color Models and Color Applications –** RGB color model – YIQ color model – CMY color model – HSV color model. (12L + 3T)

Topic No	Topic Name	No. of Ref/text/ online	Teaching Methodology	Duration	Cumulative Period
1.	Viewing Pipeline	T/1	LM	2 Hrs	2 Hrs
2.	Projections	T/1, Online	LM/Tutorial	3 Hrs	5 Hrs
3.	**Visible-surface deduction methods**: Back-face deduction	T/1	LM	2 Hrs	7 Hrs
4.	Depth buffer method	T/1,Online	LM/Tutorial	3 Hrs	10 Hrs
5.	**Color Models** RGB color model	T/1,R1/2	LM	1 Hr	11 Hrs
6.	YIQ color model	T/1,R1/2	LM	1 Hr	12 Hrs
7.	CMY color model	T/1,R1/2	LM	1 Hr	13 Hrs
8.	HSV color model	T/1,R1/2	LM	1 Hr	14 Hrs
9.	**Color Applications**	Online	Tutorial	1 Hr	15 Hrs

Text Book: Computer Graphics C version, Second Edition, Donald Hearn, M.Pauline Baker, Pearson Publications.

Reference Books

1. Computer Graphics, Multimedia and Animation - Malay K. Pakhira – PHI.
2. Computer Graphics - Udit Agarwal - S. K. Kataria & Sons, 2009.
3. Express Learning - Computer Graphics and Multimedia-ITL Education Solution Ltd.
4.Computer Graphics-A programming Approach 2/e-Steven Harrington-Mc Graw Hill Education Private Limited.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSEPLAN

Class : III B.Sc (Computer Science)

Subject Name : Computer Graphics Lab

Subject Handled by : Mrs. X. Della

1. Write a program to draw a line using DDA algorithm
2. Write a program to draw a circle using Bresenham's algorithm.
3. Write a program to draw a line using Bresenham's algorithm.
4. Write a program to scale an image.
5. Write a program to rotate an image.
6. Write a program to translate an image.
7. Write a program for bouncing a ball and moving with sound effect.
8. Write a program to display as many balls in the frame in random position.
9. Write a program to display an image as tiled and cascaded according to the user's option.
10. Write a program so that it should first display the image as the size of applet then it should be reduced and again it should reduced and so on and finally the image should disappear.

Topic No	Topic Name	Duration (hrs)	Cumulative Period(hrs)
1	Write a program to draw a line using DDA algorithm	6	6
2	Write a program to draw a circle using Bresenham's algorithm.	6	12
3	Write a program to draw a line using Bresenham's algorithm	6	18
4	Write a program to scale an image	6	24
5	Write a program to rotate an image	6	30
6	Write a program to translate an image	6	36
7	Write a program for bouncing a ball and moving with sound effect	6	42
8	Write a program to display as many balls in the frame in random position	6	48
9	Write a program to display an image as tiled and cascaded according to the user's option	6	54
10	Write a program so that it should first display the image as the size of applet then it should be reduced and again it should reduced and so on and finally the image should disappear.	6	60

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Even Semester)

Prepared by

Dr. N.N. Krishnaveni
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : Linux Lab

Handled by : Dr.N.N.Krishna Veni

List of Practicals

1. Use any text editor in linux(say vi) to enter a C program to find the largest of three numbers, compile using gcc and display the output.
2. Use any text editor in linux(say vi) to enter a C program to find the factorial of a given number, compile using gcc and display the output.
3. Linux commands
    a. ls, mkdir, rmdir, cd, pwd, find, du(Directory oriented)
    b. cat, cp, rm, mv, wc (File oriented)
    c. ps, kill, batch, grep(Process oriented)
    d. write, mail, wall (Communication oriented)

   Linux commands
    a. date, who, who am i, man, cal, echo, bc(General purpose)
    b. Pipe, Filter
4. Write a shell script to display date in the mm/dd/yy format, time, username and current directory.
5. Write a shell script to find the sum of digits of a given number.
6. Write a program to generate Fibonacci series.
7. Write a program to check whether given string is palindrome or not
8. Write a shell script to find factorial of a given integer.
9. Write a shell script to generate mark sheet of a student. Take 3 subjects, calculate and display total marks, percentage and Class obtained by the student.

Ex :No.	Topic Name	Duration	Cumulative Time	Teaching Methodology
1.	WAP to find the largest of three numbers in LINUX & C	2 hrs	2 hrs	Demo
2.	WAP to find the factorial of a given number in LINUX & C	2 hrs	4 hrs	Demo
3 a)	Directory oriented Linux Commands	2 hrs	6 hrs	Demo
b)	File oriented Linux Commands	2 hrs	8 hrs	Demo
c)	Process oriented Linux Commands	2 hrs	10 hrs	Demo
d)	Communication oriented Linux Commands	2 hrs	12 hrs	Demo
e)	General Purpose Linux Commands	2 hrs	14 hrs	Demo
4.	Shell Script to display the date	2 hrs	16 hrs	Demo
5.	Shell script to find the sum of digits	2 hrs	18 hrs	Demo
6.	Fibonacci Series	4 hrs	22 hrs	Demo
7.	Palindrome or Not	2 hrs	24 hrs	Demo
8.	Shell script to find the factorial of a given number	2 hrs	26 hrs	Demo
9.	Shell script to prepare a marksheet	4 hrs	30 hrs	Demo

Reference Books:

1. Linux: A practical approach, B. Mohamed Ibrahim, Firewall Media
2. Comdex Linux and Open Office course kit revised and upgraded, Gupta, Wiley India.
3. A practical guide to Linux command, editors, and shell programming 2/e; Mark G Sobell, Prentice Hall.
4. Linux Lab - Open source Technology : Ambavade - Dreamtech

Department of Computer Science

Course Plan

Class : II B.Sc (Computer Science)

Subject Name : Operating System

Handled by : Dr.N.N.Krishna Veni

Unit - I

Introduction: What Operating system do – Computer System Organization – Computer System Architecture – Operating System Structures- Operating System Operation.

System Structures: Operating System Services – System Calls – System Programs – Operating System Design and Implementation- Operation System Generation- System Boot. **15 hrs**

Topic No.	Topic Name	No. of Ref/Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	Introduction : What Operating system do	T1	1hr	1 hr	LM
2.	Computer System Organization	T1	1hr	2 hrs	PPT
3.	Computer System Architecture	T1	1 hrs	3 hrs	PPT
4.	Operating System Structures	T1	1hr	4 hrs	PPT
5.	Operating System Operation	T1	1hr	5 hrs	PPT
6.	**System Structures:** Operating System Services	T1	2 hrs	7 hrs	LM
7.	System Calls	T1	2 hrs	9 hrs	LM
8.	System Programs	T1	2 hrs	11hrs	LM
9.	Operating System Design and Implementation	T1	2 hrs	13 hrs	PPT
10.	Operation System Generation	T1	1hr	14 hrs	GD
11.	System Boot	T1	1hr	15 hrs	LM

Unit II

Process Concept: Process Concept- Process Scheduling –Operation on Processes- Inter Process Communication- Example of IPC System – Communication in Client – Server system. **Process Scheduling** : Basic concept-Scheduling criteria-Scheduling algorithm-Thread scheduling-Multiple Processor Scheduling-Real Time CPU Scheduling-Operating system example-Algorithm evaluation. **15 hrs**

Topic No.	Topic Name	No. of Ref/ Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	Process Concept	T1	30 min	30min	LM
2.	Process Scheduling	T1	30 min	1 hr	PPT
3.	Operation on Processes	T1	30 min	1hr 30min	PPT
4.	Inter Process Communication	T1	30 min	2 hrs	PPT
5.	Example of IPC System	T1	2 hrs	4 hrs	PPT
6.	Communication in Client–Server System	T1	1 hr	5 hrs	LM
7.	**Process Scheduling :** Basic concept Scheduling criteria	T1	1hr	6 hrs	LM
8.	Scheduling algorithm	T1	1 hr	7 hrs	LM
9.	Thread scheduling	T1	2 hrs	9 hrs	PPT
10.	Multiple Processor Scheduling	T1	1 hr	10 hrs	PPT
11.	Real Time CPU Scheduling	T1	2 hrs	12 hrs	PPT
12.	Operating system example	T1	1 hr	13 hrs	PPT
13.	Algorithm evaluation.	T1/R1	1 hr	14 hrs	LM
14.		T1/R1	1 hr	15 hrs	LM

Unit III

Synchronization: Background - The Critical section problem-Peterson's solution - Semaphores – Classic problems of Synchronization. **DeadLocks:** System models-Deadlock Characterization-Methods for handling deadlock - Deadlock Prevention-Deadlock Avoidance-Deadlock detection - Recovery from deadlock.

15 hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	**Synchronization:** Background	T1/R1	1 hr	1 hr	LM
2.	The Critical section problem	T1/R1	1 hr	2 hrs	PPT
3.	Peterson's solution	T1/R1	1 hr	3 hrs	PPT
4.	Semaphores	T1/R1	1 hr	4 hrs	PPT
5.	Classic problems of Synchronization.	T1/R1	1 hr	5 hrs	PPT
6.	**DeadLocks:** System models	T1/R1	1 hr	6 hrs	LM
7.	Deadlock Characterization	T1/R1	1 hr	7 hrs	LM

8.	Methods for handling deadlock	T1/R1	3 hrs	10 hrs	LM
9.	Deadlock Prevention	T1/R1	1 hr	11 hrs	LM
10.	Deadlock Avoidance	T1/R1	2 hrs	13 hrs	PPT
11.	Deadlock detection	T1/R1	1 hr	14 hrs	PPT
12.	Recovery from deadlock.	T1/R1	1 hr	15 hrs	PPT

Unit IV

Memory Management: Background – Swapping - Contiguous Memory allocation – Segmentation – paging. **Virtual Memory Management :** Background - Demand paging - Copy and Write-page replacement-Allocation of Frames - Thrashing. **15 hrs**

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	**Memory Management:** Background Swapping	T1	1 hr	1 hr	LM
2.	Contiguous Memory allocation	T1	1 hr	2 hrs	PPT
3.	Segmentation	T1	1 hr	3 hrs	PPT
4.	Paging	T1	2 hrs	5 hrs	PPT
5.	Virtual Memory	T1	2 hrs	7 hrs	LM
6.	Management: Intdn	T1/R2	1 hr	8 hrs	LM
7.	Demand paging	T1/R2	2 hrs	10 hrs	LM
8.	Copy and Write	T1/R2	1 hr	11 hrs	LM
9.	Page replacement	T1	2 hrs	13 hrs	PPT
10.	Allocation of Frames	T1	1 hr	14 hrs	PPT
11.	Thrashing.	T1	1 hr	15 hrs	PPT

Unit V

File System : File Concept-Access Method-Directory and Structure--File Sharing-Protection. **Implementing File System:** File System Structure - File System implementation-Directory implementation-Allocation Methods - Free Space Management. **Mass Storage Structure:** Overview of Mass Storage Structure-Disk Structure - Disk Scheduling - Disk Management **15 hrs**

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	File Concept	T1	30 min	30 min	LM
2.	Access Methods	T1	30 min	1 hr	PPT
3.	Directory and Structure	T1	1 hr	2 hrs	PPT

4.	File Sharing	T1	1 hr	3 hrs	PPT
5.	Protection	T1	1 hr	4 hrs	PPT
6.	File System Structure	T1	1 hr	5 hrs	LM
7.	File System implementation	T1	1 hr	6 hrs	LM
8.	Directory implementation	T1	1 hr	7 hrs	LM
9.	Allocation Methods	T1	1 hr	8 hrs	LM
10.	Free Space Management.	T1	1 hr	9 hrs	PPT
11.	Overview of Mass Storage	T1/R1	1 hr	10 hrs	PPT
12.	Structure Disk Structure	T1/R1	1 hr	11 hrs	PPT
13.	Disk Scheduling	T1/R1	2 hrs	13 hrs	PPT
14.	Disk Management	T1/R1	2 hrs	15 hrs	PPT

Text Book:

Operating System Concepts – Abraham Silberscartz, Peter Baer Galvin, and Greg Gange. Addision Wesley Publishing Company – Ninth Edition.

Reference Books:

1. Operating System: Internal and Design Principles – Fifth Edition, William Stalling ,PHI Learning Private Limited.

2. Understanding Operating Systems: Ida M.Flynn ,Ann MclverMcHoes.

Department of Computer Science

Course Plan

Class : III B.Sc (Computer Science)

Subject Name : Internet of Things

Handled by : Dr.N.N.Krishna Veni

Unit - I

Fundamentals of Internet of Things: Introduction – Characteristics of IoT – The Physical Design of IoT – Iot Architecture an Components – Logical design of IoT – Communication Models – IoT Communication API – IoT Architecture and Protocols – Introduction –Fog based Architecture of IoT – Near Field Communication – Wireless Sensor Networks – IoT Network protocol stack – IoT technology stack – Blue tooth – Zig Bee – and 6LowPAN. **(12L)**

Topic No.	Topic Name	No. of Ref/Text / Website	Duration	Cumulative Time	Teaching Methodology
1.	Fundamentals of Internet of Things:	T1	1 hrs	1 hrs	LM
2.	Introduction Characteristics of IoT,	T1	1 hrs	2 hrs	LM
3.	The Physical Design of IoT Iot Architecture and Components	T1	1 hrs	3 hrs	LM
4.	Logical design of IoT	T1	1 hrs	4 hrs	LM
5.	Communication Models	T1	1 hrs	5 hrs	GD
6.	IoT Communication API	T1	1 hrs	6 hrs	LM
7.	IoT Architecture and Protocols	T1	1 hrs	7 hrs	LM
8.	Introduction –Fog based Architecture of IoT	T1	1 hrs	8 hrs	GD
9.	Near Field Communication	T1	1 hrs	9 hrs	GD
10.	Wireless Sensor Networks	T1	1 hrs	10 hrs	LM
11.	IoT Network protocol stack	T1	1 hrs	11 hrs	LM
12.	IoT technology stack Blue tooth, Zig Bee and 6LowPAN.	T1	1 hrs	12 hrs	LM

Unit II

Programming Framework for IoT: Interoperability – Programming Paradigm – Assembly – Introduction to Arduino Programming – Introduction to Python Programming – Introduction to

Raspberry Pi . Virtualization: Introduction – Types – Virtualization and IoT – Embedded Virtualization.

12 hrs

Topic No.	Topic Name	No. of Ref/ Text/ Website	Duration	Cumulative Time	Teaching Methodology
1.	Programming Framework for IoT	T1	1 hr	1 hr	LM
2.	Interoperability	T1	1 hr	2 hrs	LM
3.	Programming Paradigm	T1	1 hr	3 hrs	LM
4.	Assembly	T1	1 hrs	4 hrs	LM
5.	Introduction to Arduino Programming	T1	1 hr	5 hrs	GD
6.	Introduction to Python Programming	T1	2 hrs	7 hrs	LM
7.	Introduction to Raspberry Pi	T1	1 hr	8 hrs	LM
8.	Virtualization: Introduction	T1	1 hr	9 hrs	GD
9.	Types	T1	1 hr	10 hrs	GD
10.	Virtualization and IoT	T1	1 hr	11 hrs	GD
11.	Embedded Virtualization.	T1	1 hr	12 hrs	GD

Unit III

IoT Application Area: Introduction – Homes – Health care – Agriculture – Military applications – Politics – Constructions – Other application areas . Cloud an IoT : Introduction – Cloud – IoT – Difference between cloud and IoT – Cloud IoT architecture –challenges.

12 hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	IoT Application Area: Introduction	T1/R1	1 hr	1 hr	LM
2.	Homes – Health care – Agriculture	T1/R1	1 hr	2 hrs	LM
3.	Military applications, Politics	T1/R1	1 hr	3 hrs	LM
4.	Constructions – Other application areas .	T1/R1	1 hr	4 hrs	LM
5.	Cloud an IoT : Introduction	T1/R1	1 hr	5 hrs	GD
6.	Cloud	T1/R1	1 hr	6 hrs	LM
7.	IoT	T1/R1	1 hr	7 hrs	LM
8.	Difference between cloud and IoT	T1/R1	2 hr	9 hrs	GD

9.	Cloud IoT architecture	T1/R1	2 hr	11 hrs	GD
10.	Challenges.	T1/R1	1 hr	12 hrs	GD

Unit IV

Smart City using IoT: Introduction – Concept – The emergence – Dimensions and Components – Design strategies – Factors affecting automation – IoT applications in smart cities – Education – Egovernance – Industry . IoT Use Cases: Industrial IoT Use Case – IoT and smart energy – Smart transportation – Smart health – Smart home – Smart Education system – Governance use case – Smart cities.

12 hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	Smart City using IoT: Introduction – Concept	T1	1 hr	1 hr	LM
2.	The emergence	T1	1 hr	2 hrs	LM
3.	Dimensions and Components	T1	1 hr	3 hrs	LM
4.	Design strategies	T1	1 hr	4 hrs	LM
5.	Factors affecting automation	T1	1 hr	5 hrs	GD
6.	IoT applications in smart cities	T1	1 hr	6 hrs	LM
7.	Education, E-governance,Industry	T1	1 hr	7 hrs	LM
8.	IoT Use Cases: Industrial	T1	1 hr	8 hrs	GD
9.	IoT Use Case – IoT and smart energy	T1	1 hr	9 hrs	GD
10.	Smart transportation – Smart health – Smart home	T1	1 hr	10 hrs	GD
11.	Smart Education system	T1	1 hr	11 hrs	LM
12.	Governance use case – Smart cities.	T1	1 hr	12 hrs	LM

Unit V

Network Security for IoT and M2M communications: Introduction – Network Technologies for IoT and M2M – Security for IoT and M2M Technologies – Securities in IETF M2M network Technologies – Security in ETSI M2M Network Technologies – Other M2M standard Efforts.

12 hrs

Topic No.	Topic Name	No. of Ref/ Text/Website	Duration	Cumulative Time	Teaching Methodology
1.	Network Security for IoT and M2M communications-Introduction	T1	2 hrs	2 hrs	PPT
2.	Network Technologies for IoT and M2M	T1	2 hrs	4 hrs	PPT
3.	Security for IoT and M2M Technologies	T1	2 hrs	6 hrs	PPT
4.	Securities in IETF - M2M network Technologies	T1	2 hrs	8 hrs	PPT
5.	Security in ETSI - M2M Network Technologies	T1	2 hrs	10hrs	PPT
6.	Other M2M standard Efforts.	T1/R1	2 hrs	12 hrs	PPT

Text Book:

1. Internet of Things – Principles, Paradigms and Applications of IoT by Dr.Kamlesh Lakhwani, Dr.Hemant Kumar Gianey, Joseph Kofi Wireko, Kamal Kant Hiran (BPB publication First Edition 2020)

2. Internet of Things(IoT) Systems and Applications By Jamil Y . Khan & Mehmet R.Yuce Jenny Stanford Publishing.

Reference Books:

1.Jan Holler, Vlasios Tsiatsis, Catherine Mulligan, Stefan Avesand, Stamatis Karnouskos, David Boyle, "From Machine-to-Machine to the Internet of Things: Introduction to a New Age of Intelligence", 1st Edition, Academic Press, 2014

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

For

Academic year 2022-2023(Even Semester)

X. R. Jenifer

Prepared by

Mrs. X. R.Jenifer
Assistant Professor
Dept of Computer Science
Holy Cross Home Science College,
Thoothukudi

R. Wal

Approved by

HOD
Dept. of Computer Science
Holy Cross Home Science College
Thoothukudi - 3.

Signature of Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSSHOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : I B.Sc (Computer Science)

Subject Name : Professional English

Handled by : Mrs.X.R.Jenifer

Unit 1- Communicative Competence (18 hrs)

Listening – Listening to two talks/lectures by specialists on selected subject specific topics -(TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions

Reading: Two subject-based reading texts followed by comprehension activities/exercises

Writing: Summary writing based on the reading passages.

Topic No	Topic Name	No.of Ref/text/on line	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1	Listening – Listening to two talks/lectures by specialists on selected subject specific topics -(TED Talks) and answering comprehension exercises (inferential questions)	T/1,R/1	4	4	Demo
2	Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions	T/1	5	9	GD
3	Reading: Two subject-based reading texts followed by comprehension activities/exercises	T/1,R/1	4	13	GD

4	Writing: Summary writing based on the reading passages.	T/1,R/1	5	18	Writing

Unit 2 - Persuasive Communication (18 hrs)

Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication

Speaking: debates – Just-A Minute Activities

Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions

Writing: dialogue writing- writing an argumentative /persuasive essay.

Topic No	Topic Name	No.of Ref/text /online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1	Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication	T/1	4	4	Demo
2	Speaking: debates – Just-A Minute Activities	T/1	5	9	GD
3	Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions	T/1, R/1	4	13	GD
4	Writing: dialogue writing- writing an argumentative /persuasive essay.	T/1	5	18	Writing

Unit 3- Digital Competence (18 hrs)

Listening to interviews (subject related)

Speaking: Interviews with subject specialists (usingvideo conferencing skills) Creating Vlogs (How to become a vlogger and use vlogging tonurture interests – subject related)

Reading: Selected sample of Web Page (subject area)

Writing: Creating Web Page

Reading Comprehension: Essay on Digital Competence for Academic and Professional Life. The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1	Listening to interviews (subject related)	T/1, R/1	4	4	Demo
2	Speaking: Interviews with subject specialists (usingvideo conferencing skills) Creating Vlogs (How to become a vlogger and use vlogging tonurture interests – subject related)	T/1, R/1	4	8	GD
3	Reading: Selected sample of Web Page (subject area)	T/1, R/1	2	10	GD
4	Writing: Creating Web Page	T/1, R/1	4	14	Writing
5	Reading Comprehension: Essay on Digital Competence for Academic and Professional Life. The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area	T/1, R/1	4	18	GD

Unit 4 - Creativity and Imagination (18 hrs)

Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0) Speaking: Making oral presentations through short films – subject based

Reading: Essay on Creativity and Imagination (subject based)

Writing – Basic Script Writing for short films (subject based) - Creating blogs, flyers and brochures (subject based) - Poster making – writing slogans/captions(subject based)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1	Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0) Speaking: Making oral presentations through short films – subject based	T/1, R/1	6	6	Demo
2	Reading: Essay on Creativity and Imagination (subject based)	T/1, R/1	6	12	GD
3	Writing – Basic Script Writing for short films (subject based) - Creating blogs, flyers and brochures (subject based) - Poster making – writing slogans/captions(subject based)	T/1, R/1	6	18	GD

Unit 5- Workplace Communication& Basics of Academic Writing (18 hrs)

Speaking: Short academic presentation using PowerPoint

Reading & Writing: Product Profiles, Circulars, Minutes of Meeting.

Writing an introduction, paraphrasing Punctuation(period, question mark, exclamation point, comma, semicolon, colon, dash, hyphen, parentheses, brackets, braces, apostrophe, quotation marks, and ellipsis) Capitalization (use of upper case)

Topic No	Topic Name	No.of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

Department of Computer Science

COURSE PLAN

Class : III B.Sc (Computer Science)

Subject Name : INTRODUCTION TO DIGITAL IMAGE PROCESSING

Handled by : Mrs. X.R.Jenifer

Unit I :

Introduction & Fundamentals : Definition of Image and Digital Image Processing - Examples of Digital Image Processing - Fundamental Steps in Digital Image Processing - Components of an Image Processing System - Visual Perception - Image Acquisition - A Simple Image Model - Zooming and Shrinking of Digital Image

Hours : 12

Topic No	Topic Name	No. of Ref/text/ online	Duration	Cumulative Period	Teaching Methodology
1.	Introduction & Fundamentals	T/1	1 Hr	1 Hr	LM
2.	Definition of Image and Digital Image Processing	T/1	1 Hr	2 Hrs	LM
3.	Examples of Digital Image Processing	T/1	1 Hr	3 Hrs	LM
4.	Fundamental Steps in Digital Image Processing	T/1	1 Hr	4 Hrs	LM
5.	Components of an Image Processing System	T/1	1 Hr	5 Hrs	LM
6.	Visual Perception	T/1,R/1	2 Hr	7 Hrs	LM
7.	Image Acquisition	T/1,R/2	1 Hr	8 Hrs	LM
8.	A Simple Image Model	T/1.R/1	2 Hr	10 Hrs	LM
9.	Zooming and Shrinking of Digital Image	T/1	2 Hr	11 Hrs	LM

Unit II:

Image Enhancement in Spatial Domain : Introduction - Mathematical Analysis of Enhancement in Spatial Domain - Basic Gray Level Transformation - Histogram Processing - Histogram

Equalization - Histogram Matching - Image Enhancement using Arithmetic and Logical Operation - Basic Transformations - Basics of Spatial Filtering.

Hours : 12

Topic No	Topic Name	No. of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1.	Image Enhancement in Spatial Domain	T/1	2 Hrs	2 Hrs	GD
2.	Introduction	T/1	1 Hrs	3 Hrs	GD
3.	Mathematical Analysis of Enhancement in Spatial Domain	T/1	1 Hrs	4 Hrs	LM
4.	Basic Gray Level Transformation	T/1	1 Hrs	5 Hrs	LM
5.	Histogram Processing	T/1	1 Hrs	6 Hrs	LM
6.	Histogram Equalization	T/1	1 Hrs	7 Hrs	LM
7.	Histogram Matching	T/1	1 Hrs	8 Hrs	LM
8.	Image Enhancement using Arithmetic and Logical Operation	T/1	1 Hrs	9 Hrs	LM
9.	Basic Transformations	T/1	1 Hrs	10 Hrs	GD
10.	Basics of Spatial Filtering.	T/1	2	12	LM

Unit III

Color Image Processing : Introduction - Advantages of Color Image Processing - Categories of Color Image Processing - Color Fundamentals - Primary Colors - Secondary Color - Primary and Secondary Colors for Pigments - Characteristics that are Used for Differentiating Different Colors - Color Models - Conversions between Color Models - Pseudo Color Image Processing - Color Transformation - Color Image Smoothing and Sharpening - Color Segmentation

Hours : 12

Topic No	Topic Name	No. of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1.	Color Image Processing : Introduction	T/1	1 Hr	1 Hr	GD
2.	Advantages of Color Image Processing	T/1	2 Hrs	3 Hrs	LM
3.	Categories of Color Image Processing	T/1	1 Hrs	4 Hrs	LM
4.	Color Fundamentals - Primary Colors - Secondary Color - Primary and	T/1	1 Hrs	5 Hrs	LM

	Secondary Colors for Pigments				
5.	Characteristics that are Used for Differentiating Different	T/1	1 Hr	6 Hrs	GD
6.	Colors - Color Models - Conversions between Color Models	T/1,R1	1 Hrs	7 Hrs	LM
7.	Pseudo Color Image	T/1,R/2	1 Hrs	8 Hrs	LM
8.	Processing	T/1	1 Hrs	9 Hrs	LM
9.	Color Transformation	T/1	1 Hrs	10 Hrs	LM
10.	Color Image Smoothing and Sharpening	T/1	1 Hrs	11 Hrs	GD
11.	Color Segmentation	T/1	1 Hrs	12 Hrs	GD

Unit IV

Image Compression : Introduction - Mathematical Analysis - Types of Data Redundancies - Image Compression Model - Compression Strategies. Morphological Image Processing : Introduction - Basic Concept of Set Theory - Logic Operations Involving Binary Images - Dilation and Erosion - Opening and Closing

Hours : 12

Topic No	Topic Name	No. of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1.	Image Compression : Introduction	T/1	1 Hrs	1 Hrs	LM
2.	Mathematical Analysis	T/1	2 Hrs	3 Hrs	LM
3.	Types of Data Redundancies	T/1	1 Hrs	4 Hrs	LM
4.	Image Compression Model	T/1,R3	2 Hrs	6 Hrs	LM
5.	Compression Strategies. Morphological Image Processing : Introduction	T/1,R2	1 Hrs	7 Hrs	LM
6.	Basic Concept of Set Theory	T/1,R2	2 Hrs	9 Hrs	LM
7.	Logic Operations Involving Binary Images		1 Hrs	10 Hrs	LM
8.	Dilation and Erosion		1 Hrs	11 Hrs	LM
9.	Opening and Closing		1 Hrs	12 Hrs	LM

Unit V

Features and Image Segmentation - Introduction - Classification of Features - Features of an Image - Attributes of Features - Process of Feature Extraction - Image Segmentation - Thresholding - Region Based Segmentation

Hours : 12

Topic No	Topic Name	No. of Ref/text/ online	Duration (hrs)	Cumulative Period(hrs)	Teaching Methodology
1.	Features and Image Segmentation	T/1	1 Hrs	1 Hrs	LM
2.	Introduction	T/1	1 Hrs	2 Hrs	LM
3.	Classification of Features	T/1	2 Hrs	4 Hrs	LM
4.	Features of an Image	T/1,R3	1 Hrs	5 Hrs	LM
5.	Attributes of Features	T/1,R2	1 Hrs	6 Hrs	LM
6.	Process of Feature Extraction	T/1,R2	2 Hrs	8 Hrs	LM
7.	Image Segmentation	T/1	2hrs	10hrs	LM
8.	Thresholding	T/1	1hr	11hrs	LM
9.	Region Based Segmentation	T/1	1hr	12hrs	LM

Text Book:

Digital Image Processing - Abhishak Yadav and Poonam Yadav - University Science Press

Reference Books:

1. Digital Image Processing, S Jayaraman, S Esakkirajan, T Veerakumar, McGraw-Hill Education Pvt. Ltd., 2e, 2020
2. Digital Image Processing, 4e, Rafael C Gonzalez, Richard E Woods, Pearson, 2018
3. Digital Image Processing – Sridhar S – 2e – Oxford University Press, 2016

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF COMPUTER SCIENCE

COURSE PLAN

Class : II B.Sc (Computer Science)

Subject Name : DIGITAL IMAGE PROCESSING USING SCILAB / MatLab

Handled by : Mrs. X.R.Jenifer

1) Perform 2D Linear Convolution, Circular Convolution between two 2D matrices.
2) Perform Discrete Fourier Transform(DFT), Discrete Cosine Transform(DCT) of 4x4 gray scale image.
3) Perform Brightness enhancement, Contrast Manipulation, Image negative of an image.
4) Perform threshold operation on an image.
5) Perform Edge detection using different edge detectors.
6) Perform Dilation and Erosion operation.
7) Perform Opening and closing operations
8) Read a colour image and separate the image into red, blue and green planes.

S.No.	Topic	Duration	Cumulative Period	Teaching Methodology
1.	Perform 2D Linear Convolution, Circular Convolution between two 2D matrices.	5 Hrs	5 Hrs	Demo
2.	Perform Discrete Fourier Transform(DFT), Discrete Cosine Transform(DCT) of 4x4 gray scale image.	7 Hrs	12 Hrs	Demo
3.	Perform Brightness enhancement, Contrast Manipulation, Image negative of an image.	10 Hrs	22 Hrs	Demo
4.	Perform threshold operation on an image.	6 Hrs	28 Hrs	Demo
5.	Perform Edge detection using different edge detectors.	8 Hrs	36 Hrs	Demo
6.	Perform Dilation and Erosion operation.	5 Hrs	41 Hrs	Demo
7.	Perform Opening and closing operations	10 Hrs	51 Hrs	Demo

8.	Read a colour image and separate the image into red, blue and green planes.	9 Hrs	60 Hrs	Demo

Reference Book:

1) Scilab Textbook Companion for Digital Image Processing, S. Jayaraman, S. Esakkirajan And T. Veerakumar, 2016 (https://scilab.in/textbook_companion/generate_book/125)

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF PSYCHOLOGY

COURSE PLAN - EVEN SEMESTER (2022-23)

Class: I B Sc Subject: General psychology II

Total: 60 hours

UNIT I: MEMORY AND FORGETTING **Hrs: 13**

Memory - Definition - Memory Process: Encoding - Storage - Retrieval - The information processing model - Sensory memory - Short term memory - Long term memory - Forgetting - Meaning - Forgetting Curve-Theories of forgetting - Causes - Memory and Brain - Improving memory

S.no	Topic	No of Reference Text Books Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Memory -Definition	RB OL	4	4
2.	The information processing model	TB RB OL	4	8
3.	Causes of Memory and Brain	TB RB OL	5	13

UNIT II **Hrs:12**

Meaning – Cognitive Psychology- Types of cognition – Mental Imagery – Concept, Problem solving- Steps, Barriers to Effective problem solving, Strategies of problem solving- Algorithms, heuristics-Decision Making-Steps, Reasoning –Inductive and deductive reasoning, Language – Nature, Main Components of Language – Morphemes – Phonemes – Syntax - Semantics – Pragmatics.

S.No	Topic	No of Reference Text Books Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Cognitive psychology- types	RB TB OL	3	3
2.	Barriers to Effective problem solving and Strategies	RB OL	3	6
3.	Decision making	RB TB OL	2	8
4.	Language	RB OL	4	12

UNIT III **Hrs:12**

Motivation - Definition - Important Needs - Biological Needs, Social, Psychological Needs - Model of Motivation - Theories of Motivation - Instincts - Drive reduction theory – Arousal – Incentive – Opponent Process - Cognitive theories - Social cognitive theory - Need theories - Classification of Motives, Physiological motives - Psychological motives - Conflict- Meaning- Types- Frustration- Meaning- Causes.

S.No	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Motivation and model of Motivation	RB/ TB	4	4
2.	Theories and process of Motivation	RB / TB	4	8
3.	Motives and conflict	RB/ TB	4	12

UNIT IV **Hrs: 12**

Emotion: Meaning – Basic emotions- Components - Physiology of emotion - Expression of emotion – Theories - Stress: Definition – Four variations - Stressors – Effects – GAS – Individual differences - Coping mechanism

S.no	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Emotion, meaning and theories	RB/ OL	3	3
2.	Stress and coping	RB/ OL	4	7
3.	Coping mechanism	RB/ OL	5	12

UNIT V **Hrs:11**

Intelligence- Definition – Concept of IQ - Individual differences in Intelligence –Mental retardation – Mentally gifted – Assessment of Intelligence - Emotional Intelligence - Meaning – Characteristics – Creativity - Definition- Nature – Steps -Characteristics of creative people – Creativity tests

S.no	Topic	No of Reference/ text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Intelligence and Mental retardation	RB/ OL	5	5
2.	Emotional Intelligence	RB/ OL	6	11

Class: I B.Sc

Total :60 Hours

Subject:**Biological psychology II**

Hrs: 14

UNIT- I

Rhythms of waking and sleeping: Endogenous cycles. Setting and resetting the biological clock. Mechanisms of the biological clock. Sleep and brain mechanisms: sleep and other interruptions of conciousness, the onset of sleep and hypnagogic hallucinations, stages of sleep. Paradoxical or REM sleep. Brain mechanisms of wakefulness and arousal. Brain functions in REM sleep. Functions of sleep. Dreaming: REM sleep and dreaming. Biological perspectives on dreaming.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rhythms of waking and sleeping, Endogenous cycles	RB/ TB / OL	4	4
2.	Sleep and brain mechanisms, stages of sleep	RB / OL	5	9
3.	Dreaming:	RB / OL	5	14

UNIT II **Hrs: 11**

Development of the brain- Maturation of the vertebrate brain, Growth and development of neurons, New neurons later in life. Path finding by axons, Determinants of neuronal survival. Neuroplasticity: Meaning- Plasticity after brain damage

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Development of the brain	TB/ RB / OL	4	4
2.	Growth and development of neurons	TB/ OL	3	7
3.	Neuroplasticity	TB/ OL	4	11

UNIT III **Hrs: 12**

Thirst: Mechanisms of water regulation. Osmotic thirst. Hypovolemic thirst and sodium specific hunger. Hunger: Digestion and food selection. Short- and long-term regulation of feeding. Brain mechanisms. Eating Disorders.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Thirst	RB/ OL	6	6
2	Hunger and eating disorder	RB/ OL	6	12

Hrs:13

UNIT IV

Emotions: Introduction. Emotions, autonomic arousal and the James-Lange theory. Brain areas associated with emotions. The functions of emotions. Attack and Escape Behaviours. Attack behaviours. Escape. Fear and anxiety. Stress and Health

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Emotions	TB/ RB/ OL	6	6
2.	The functions of emotions and Escape	RB/OL	7	13

Hrs:10

UNIT V

Localized representations of memory. Types of memory. The hippocampus. Theories of the function of the hippocampus. Other types of amnesia: Korsakoff's syndrome, Alzheimer's Disease- The role of the other brain areas.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Localized representations of memory	RB/ OL	3	3
2.	Hippocampus and theories	RB/ OL	3	6
3.	Other types of amnesia: Korsakoff's syndrome, Alzheimer's Disease	RB/ OL	4	10

Class: I B.Sc
Total :60 Hours

Subject: **Psychological statistics -Inferential**

UNIT- I

Hrs: 14

Scattergram - Correlation Coefficient: Product Moment Correlation coefficient – Numerical computations – Partial Correlation: Assumptions – Limitations – Testing the Significance – Numerical computations; Multiple Correlation: Coefficient of Determination – Properties – Limitations – Numerical computations
Regression: Applications – Properties – Assumptions – Numerical computations – Standard Error of Estimate.; Multiple Regression: Properties – Assumptions – Numerical computations – Limitation

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Scattergram, Correlation Coefficient, Assumptions and Limitations	RB/ TB / OL	4	4
2.	Multiple Correlation	RB / OL	5	9
3.	Regression and Multiple Regression	RB / OL	5	14

UNIT II

Hrs: 12

Critical value of Z-statistics – Z-test for One sample – Z-test for Two Independent Samples – Test of Significance ,Critical values of *t* – *t*-test for One Sample – *t*-test for two Independent Samples – *t*-test for Two Dependent Sample

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Critical value of Z-statistics	TB/ RB / OL	6	6
2.	Critical values of *t*	TB/ OL	6	12

UNIT III

Hrs: 12

One-way ANOVA: Important terminologies – One-way ANOVA Model – Procedure – Assumptions;
Two-way ANOVA: Advantages - Important terminologies – Two-way ANOVA Model – Procedure – Assumptions

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	One-way ANOVA	RB/ OL	6	6
2.	Two-way ANOVA	RB/ OL	8	7

UNIT IV

Hrs:13

Meaning – Advantages and Disadvantages – Chi-square – Run Test – Sign Test – Median Test – Mann Whitney U Test – Kruskal Wallis Test – Friedman Test
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text book, Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Chi-square ,Run Test ,Sign Test , Median Test ,Mann Whitney U Test , Kruskal Wallis Test , Friedman Test	TB/ RB/ OL	9	11
2.	Characteristics and assumption and limitation	RB/OL	4	6

UNIT V

Hrs:10

Rank Order – Bi-serial – Point Bi-serial – Tetrachoric Correlation – Phi Coefficient
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text Book, Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rank order	RB/ OL	3	3
2.	Serial and correlation, coefficient	RB/ OL	3	6
3.	Characteristics and assumption and limitation	RB/ OL	4	10

Class: I B.Sc Subject: **Professional English for life science II**
Total :60 Hours

Unit: I- Communicative Competence

Listening – Listening to two talks/lectures by specialists on selected subject specific topics - (TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading

1.	One-way ANOVA	RB/ OL	6	6
2.	Two-way ANOVA	RB/ OL	5	7

Hrs:13

UNIT IV

Meaning – Advantages and Disadvantages – Chi-square – Run Test – Sign Test – Median Test – Mann Whitney U Test – Kruskal Wallis Test – Friedman Test
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Chi-square ,Run Test ,Sign Test , Median Test ,Mann Whitney U Test , Kruskal Wallis Test , Friedman Test	TB/ RB/ OL	9	11
2.	Characteristics and assumption and limitation	RB/OL	4	6

UNIT V **Hrs:10**

Rank Order – Bi-serial – Point Bi-serial – Tetrachoric Correlation – Phi Coefficient
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rank order	RB/ OL	3	3
2.	Serial and correlation, coefficient	RB/ OL	3	6
3.	Characteristics and assumption and limitation	RB/ OL	4	10

Class: I B.Sc Subject: **Professional English for life science II**
Total :60 Hours

Unit: I- Communicative Competence

Listening – Listening to two talks/lectures by specialists on selected subject specific topics - (TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions

Reading: Two subject-based reading texts followed by comprehension activities/exercises

Writing: Summary writing based on the reading passages.

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening – Listening to two talks/lectures by specialists on selected subject specific topics -(TED Talks) and answering comprehension exercises (inferential questions)	T/1, Online	4	4
2.	Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions	T/1, Online	4	8
3.	Reading: Two subject-based reading texts followed by comprehension activities/exercises	T/1, Online	5	13
4.	Writing: Summary writing based on the reading passages.	T/1, Online	5	18

Unit II - Persuasive Communication **Hours: 18**

Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication

Speaking: debates – Just-A Minute Activities

Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions

Writing: dialogue writing- writing an argumentative /persuasive essay.

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication	T/1, Online	3	3
2.	Speaking: debates – Just-A Minute	T/1, Online	3	6

	Activities			
3.	Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions	T/1, Online	6	12
4.	Writing: dialogue writing- writing an argumentative /persuasive essay.	T/1, Online	6	18

Unit III- Digital Competence ***Hours: 18***

Listening to interviews (subject related)

Speaking: Interviews with subject specialists (usingvideo conferencing skills)

Creating Vlogs (How to become a vlogger and use vlogging tonurture interests – subject related)

Reading: Selected sample of Web Page (subject area)

Writing: Creating Web Pages

Reading Comprehension: Essay on Digital Competence for Academic and Professional Life.

The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening to interviews (subject related)	T/1, Online	4	4
2.	Speaking: Interviews with subject specialists (usingvideo conferencing skills) Creating Vlogs (How to become a vlogger and use vlogging tonurture interests – subject related)	T/1, Online	5	9
3.	Reading Comprehension: Essay on Digital Competence for Academic and Professional Life	T/1, Online	3	12
4.	The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area	T/1, Online	6	18

Unit IV - Creativity and Imagination **HOURS: 18**

Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0)

Speaking: Making oral presentations through short films – subject based

Reading: Essay on Creativity and Imagination (subject based)

Writing – Basic Script Writing for short films (subject based)

- Creating blogs, flyers and brochures (subject based)
- Poster making – writing slogans/captions(subject based)

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0)	T/1, Online	4	4
2.	Reading: Essay on Creativity and Imagination (subject based)	T/1, Online	5	9
3.	Speaking: Making oral presentations through short films – subject based	T/1, Online	3	12
4.	Writing – Basic Script Writing for short films (subject based) - Creating blogs, flyers and brochures (subject based) - Poster making – writing slogans/captions(subject based)	T/1, Online	6	18

Unit V- Workplace Communication& Basics of Academic Writing

HOURS:18

Speaking: Short academic presentation using PowerPoint

Reading & Writing: Product Profiles, Circulars, Minutes of Meeting.

Writing an introduction, paraphrasing

Punctuation (period, question mark, exclamation point, comma, semicolon, colon, dash, hyphen, parentheses, brackets, braces, apostrophe, quotation marks, and ellipsis)

Capitalization (use of upper case)

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Speaking: Short academic presentation using PowerPoint	T/1, Online	4	4
2.	Reading & Writing: Product Profiles, Circulars, Minutes of Meeting.	T/1, Online	5	9
3.	Writing an introduction, paraphrasing	T/1, Online	3	12
	Punctuation(period, question mark, exclamation point, comma, semicolon, colon, dash, hyphen, parentheses, brackets, braces, apostrophe, quotation marks, and ellipsis) Capitalization (use of upper case)	T/1, Online	6	18

Class: I B.Sc (FDAM, PSY), B.Com batch 1& 2, B.A Eng **Subject:** Value Based Education

Total :30 Hours

Unit I **hrs :7**

Social Justice: definition – need – parameters – influencing factors – caste and gender contributions of social reformers.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Social Justice	TB/ RB / OL	4	5
2.	caste and gender contributions of social reformer	TB/ OL	3	3

Unit II **hrs :8**

Human rights: concept- principle – human rights and Indian constitution – rights of women and Children – violence against women – rights of marginalized people , women , children , dalits , Minorities and physically challenged

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	human rights and Indian constitution	TB/ RB / OL	3	4
2.	violence against women	TB/ OL	3	3
3.	Minorities and physically challenged	TB/ RB / OL	2	3

Unit III

hrs :8

Social issues:causes and magnitude -alcoholism, drug addiction-poverty, unemployment - communal harmony; concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Social issues and causes	TB/ RB / OL	3	4
2.	concept – religion and its place in public domain	TB/ OL	3	3
3.	separation of region from politics	TB/ RB / OL	2	3

Unit IV **hrs :7**

Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Mass media	TB/ RB / OL	5	6
2.	Globalization	TB/ OL	2	3

Unit V **hrs :6**

Personal values – family values – social values – cultural values – Professional values – and

overall ethics – duties and responsibilities

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Personal values	TB/ RB / OL	3	4
2.	Professional values	TB/ OL	3	3

PREPARED BY

(S. MANICKA DEVI)

APPROVED BY

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

HOLY CROSS HOME SCIENCE COLLEGE

DEPARTMENT OF PSYCHOLOGY

COURSE PLAN - EVEN SEMESTER (2022-23)

Class: I B Sc Subject: General psychology II

Total: 60 hours

UNIT I: MEMORY AND FORGETTING **Hrs: 13**

Memory - Definition - Memory Process: Encoding - Storage - Retrieval - The information processing model - Sensory memory - Short term memory - Long term memory - Forgetting - Meaning - Forgetting Curve-Theories of forgetting - Causes - Memory and Brain - Improving memory

S.no	Topic	No of Reference Text Books Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Memory -Definition	RB OL	4	4
2.	The information processing model	TB RB OL	4	8
3.	Causes of Memory and Brain	TB RB OL	5	13

UNIT II **Hrs:12**

Meaning – Cognitive Psychology- Types of cognition – Mental Imagery – Concept, Problem solving- Steps, Barriers to Effective problem solving, Strategies of problem solving- Algorithms, heuristics-Decision Making-Steps, Reasoning –Inductive and deductive reasoning, Language – Nature, Main Components of Language – Morphemes – Phonemes – Syntax - Semantics – Pragmatics.

S.No	Topic	No of Reference Text Books Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Cognitive psychology- types	RB TB OL	3	3
2.	Barriers to Effective problem solving and Strategies	RB OL	3	6
3.	Decision making	RB TB OL	2	8
4.	Language	RB OL	4	12

UNIT III **Hrs:12**

Motivation - Definition - Important Needs - Biological Needs, Social, Psychological Needs - Model of Motivation - Theories of Motivation - Instincts - Drive reduction theory – Arousal – Incentive – Opponent Process - Cognitive theories - Social cognitive theory - Need theories - Classification of Motives, Physiological motives - Psychological motives - Conflict- Meaning- Types- Frustration- Meaning- Causes.

S.No	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Motivation and model of Motivation	RB/ TB	4	4
2.	Theories and process of Motivation	RB / TB	4	8
3.	Motives and conflict	RB/ TB	4	12

UNIT IV **Hrs: 12**

Emotion: Meaning – Basic emotions- Components - Physiology of emotion - Expression of emotion – Theories - Stress: Definition – Four variations - Stressors – Effects – GAS – Individual differences - Coping mechanism

S.no	Topic	No of Reference/ Text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Emotion, meaning and theories	RB/ OL	3	3
2.	Stress and coping	RB/ OL	4	7
3.	Coping mechanism	RB/ OL	5	12

UNIT V **Hrs:11**

Intelligence- Definition – Concept of IQ - Individual differences in Intelligence –Mental retardation – Mentally gifted – Assessment of Intelligence - Emotional Intelligence - Meaning – Characteristics – Creativity - Definition- Nature – Steps -Characteristics of creative people – Creativity tests

S.no	Topic	No of Reference/ text Books/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Intelligence and Mental retardation	RB/ OL	5	5
2.	Emotional Intelligence	RB/ OL	6	11

Class: I B.Sc

Total :60 Hours

Subject:**Biological psychology II**

Hrs: 14

UNIT- I

Rhythms of waking and sleeping: Endogenous cycles. Setting and resetting the biological clock. Mechanisms of the biological clock. Sleep and brain mechanisms: sleep and other interruptions of conciousness, the onset of sleep and hypnagogic hallucinations, stages of sleep. Paradoxical or REM sleep. Brain mechanisms of wakefulness and arousal. Brain functions in REM sleep. Functions of sleep. Dreaming: REM sleep and dreaming. Biological perspectives on dreaming.

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rhythms of waking and sleeping, Endogenous cycles	RB/ TB / OL	4	4
2.	Sleep and brain mechanisms, stages of sleep	RB / OL	5	9
3.	Dreaming:	RB / OL	5	14

UNIT II **Hrs: 11**

Development of the brain- Maturation of the vertebrate brain, Growth and development of neurons, New neurons later in life. Path finding by axons, Determinants of neuronal survival. Neuroplasticity: Meaning- Plasticity after brain damage

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Development of the brain	TB/ RB / OL	4	4
2.	Growth and development of neurons	TB/ OL	3	7
3.	Neuroplasticity	TB/ OL	4	11

UNIT III **Hrs: 12**

Thirst: Mechanisms of water regulation. Osmotic thirst. Hypovolemic thirst and sodium specific hunger. Hunger: Digestion and food selection. Short- and long-term regulation of feeding. Brain mechanisms. Eating Disorders.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1	Thirst	RB/ OL	6	6
2	Hunger and eating disorder	RB/ OL	6	12

Hrs:13

UNIT IV

Emotions: Introduction. Emotions, autonomic arousal and the James-Lange theory. Brain areas associated with emotions. The functions of emotions. Attack and Escape Behaviours. Attack behaviours. Escape. Fear and anxiety. Stress and Health

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Emotions	TB/ RB/ OL	6	6
2.	The functions of emotions and Escape	RB/OL	7	13

Hrs:10

UNIT V

Localized representations of memory. Types of memory. The hippocampus. Theories of the function of the hippocampus. Other types of amnesia: Korsakoff's syndrome, Alzheimer's Disease- The role of the other brain areas.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Localized representations of memory	RB/ OL	3	3
2.	Hippocampus and theories	RB/ OL	3	6
3.	Other types of amnesia: Korsakoff's syndrome, Alzheimer's Disease	RB/ OL	4	10

Class: I B.Sc
Total :60 Hours

Subject: **Psychological statistics -Inferential**

UNIT- I

Hrs: 14

Scattergram - Correlation Coefficient: Product Moment Correlation coefficient – Numerical computations – Partial Correlation: Assumptions – Limitations – Testing the Significance – Numerical computations; Multiple Correlation: Coefficient of Determination – Properties – Limitations – Numerical computations
Regression: Applications – Properties – Assumptions – Numerical computations – Standard Error of Estimate.; Multiple Regression: Properties – Assumptions – Numerical computations – Limitation

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Scattergram, Correlation Coefficient, Assumptions and Limitations	RB/ TB / OL	4	4
2.	Multiple Correlation	RB / OL	5	9
3.	Regression and Multiple Regression	RB / OL	5	14

UNIT II

Hrs: 12

Critical value of Z-statistics – Z-test for One sample – Z-test for Two Independent Samples – Test of Significance ,Critical values of *t* – *t*-test for One Sample – *t*-test for two Independent Samples – *t*-test for Two Dependent Sample

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Critical value of Z-statistics	TB/ RB / OL	6	6
2.	Critical values of *t*	TB/ OL	6	12

UNIT III

Hrs: 12

One-way ANOVA: Important terminologies – One-way ANOVA Model – Procedure – Assumptions;
Two-way ANOVA: Advantages - Important terminologies – Two-way ANOVA Model – Procedure – Assumptions

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	One-way ANOVA	RB/ OL	6	6
2.	Two-way ANOVA	RB/ OL	8	7

UNIT IV

Hrs:13

Meaning – Advantages and Disadvantages – Chi-square – Run Test – Sign Test – Median Test – Mann Whitney U Test – Kruskal Wallis Test – Friedman Test
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text book, Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Chi-square ,Run Test ,Sign Test , Median Test ,Mann Whitney U Test , Kruskal Wallis Test , Friedman Test	TB/ RB/ OL	9	11
2.	Characteristics and assumption and limitation	RB/OL	4	6

UNIT V

Hrs:10

Rank Order – Bi-serial – Point Bi-serial – Tetrachoric Correlation – Phi Coefficient
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text Book, Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rank order	RB/ OL	3	3
2.	Serial and correlation, coefficient	RB/ OL	3	6
3.	Characteristics and assumption and limitation	RB/ OL	4	10

Class: I B.Sc Subject: **Professional English for life science II**
Total :60 Hours

Unit: I- Communicative Competence

Listening – Listening to two talks/lectures by specialists on selected subject specific topics - (TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading

1.	One-way ANOVA	RB/ OL	6	6
2.	Two-way ANOVA	RB/ OL	5	7

Hrs:13

UNIT IV

Meaning – Advantages and Disadvantages – Chi-square – Run Test – Sign Test – Median Test – Mann Whitney U Test – Kruskal Wallis Test – Friedman Test
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Chi-square ,Run Test ,Sign Test , Median Test ,Mann Whitney U Test , Kruskal Wallis Test , Friedman Test	TB/ RB/ OL	9	11
2.	Characteristics and assumption and limitation	RB/OL	4	6

UNIT V **Hrs:10**

Rank Order – Bi-serial – Point Bi-serial – Tetrachoric Correlation – Phi Coefficient
Characteristics, Assumptions, Numerical computations & Limitations

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Rank order	RB/ OL	3	3
2.	Serial and correlation, coefficient	RB/ OL	3	6
3.	Characteristics and assumption and limitation	RB/ OL	4	10

Class: I B.Sc Subject: **Professional English for life science II**
Total :60 Hours

Unit: I- Communicative Competence

Listening – Listening to two talks/lectures by specialists on selected subject specific topics - (TED Talks) and answering comprehension exercises (inferential questions)

Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions

Reading: Two subject-based reading texts followed by comprehension activities/exercises

Writing: Summary writing based on the reading passages.

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening – Listening to two talks/lectures by specialists on selected subject specific topics -(TED Talks) and answering comprehension exercises (inferential questions)	T/1, Online	4	4
2.	Speaking: Small group discussions (the discussions could be based on the listening and reading passages- open ended questions	T/1, Online	4	8
3.	Reading: Two subject-based reading texts followed by comprehension activities/exercises	T/1, Online	5	13
4.	Writing: Summary writing based on the reading passages.	T/1, Online	5	18

Unit II - Persuasive Communication **Hours: 18**

Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication

Speaking: debates – Just-A Minute Activities

Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions

Writing: dialogue writing- writing an argumentative /persuasive essay.

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening: listening to a product launch- sensitizing learners to the nuances of persuasive communication	T/1, Online	3	3
2.	Speaking: debates – Just-A Minute	T/1, Online	3	6

	Activities			
3.	Reading: reading texts on advertisements (on products relevant to the subject areas) and answering inferential questions	T/1, Online	6	12
4.	Writing: dialogue writing- writing an argumentative /persuasive essay.	T/1, Online	6	18

Unit III- Digital Competence ***Hours: 18***

Listening to interviews (subject related)

Speaking: Interviews with subject specialists (usingvideo conferencing skills)

Creating Vlogs (How to become a vlogger and use vlogging tonurture interests – subject related)

Reading: Selected sample of Web Page (subject area)

Writing: Creating Web Pages

Reading Comprehension: Essay on Digital Competence for Academic and Professional Life.

The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening to interviews (subject related)	T/1, Online	4	4
2.	Speaking: Interviews with subject specialists (usingvideo conferencing skills) Creating Vlogs (How to become a vlogger and use vlogging tonurture interests – subject related)	T/1, Online	5	9
3.	Reading Comprehension: Essay on Digital Competence for Academic and Professional Life	T/1, Online	3	12
4.	The essay will address all aspects of digital competence in relation to MS Office and how they can be utilized in relation to work in the subject area	T/1, Online	6	18

Unit IV - Creativity and Imagination **HOURS: 18**

Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0)

Speaking: Making oral presentations through short films – subject based

Reading: Essay on Creativity and Imagination (subject based)

Writing – Basic Script Writing for short films (subject based)

- Creating blogs, flyers and brochures (subject based)
- Poster making – writing slogans/captions(subject based)

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Listening to short (2 to 5 minutes) academic videos (prepared by EMRC/ other MOOC videos on Indian academic sites – E.g. https://www.youtube.com/watch?v=tpvicScuDy0)	T/1, Online	4	4
2.	Reading: Essay on Creativity and Imagination (subject based)	T/1, Online	5	9
3.	Speaking: Making oral presentations through short films – subject based	T/1, Online	3	12
4.	Writing – Basic Script Writing for short films (subject based) - Creating blogs, flyers and brochures (subject based) - Poster making – writing slogans/captions(subject based)	T/1, Online	6	18

Unit V- Workplace Communication& Basics of Academic Writing

HOURS:18

Speaking: Short academic presentation using PowerPoint

Reading & Writing: Product Profiles, Circulars, Minutes of Meeting.

Writing an introduction, paraphrasing

Punctuation (period, question mark, exclamation point, comma, semicolon, colon, dash, hyphen, parentheses, brackets, braces, apostrophe, quotation marks, and ellipsis)

Capitalization (use of upper case)

S.No	Topic name	No. of Reference/ textbooks /online	Duration	Cumulative period
1.	Speaking: Short academic presentation using PowerPoint	T/1, Online	4	4
2.	Reading & Writing: Product Profiles, Circulars, Minutes of Meeting.	T/1, Online	5	9
3.	Writing an introduction, paraphrasing	T/1, Online	3	12
	Punctuation(period, question mark, exclamation point, comma, semicolon, colon, dash, hyphen, parentheses, brackets, braces, apostrophe, quotation marks, and ellipsis) Capitalization (use of upper case)	T/1, Online	6	18

Class: I B.Sc (FDAM, PSY), B.Com batch 1& 2, B.A Eng **Subject:** Value Based Education

Total :30 Hours

Unit I **hrs :7**

Social Justice: definition – need – parameters – influencing factors – caste and gender contributions of social reformers.

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Social Justice	TB/ RB / OL	4	5
2.	caste and gender contributions of social reformer	TB/ OL	3	3

Unit II **hrs :8**

Human rights: concept- principle – human rights and Indian constitution – rights of women and Children – violence against women – rights of marginalized people , women , children , dalits , Minorities and physically challenged

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	human rights and Indian constitution	TB/ RB / OL	3	4
2.	violence against women	TB/ OL	3	3
3.	Minorities and physically challenged	TB/ RB / OL	2	3

Unit III

hrs :8

Social issues:causes and magnitude -alcoholism, drug addiction-poverty, unemployment - communal harmony; concept – religion and its place in public in public domain – separation of region from politics – secularism role of civil society

S.no	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Social issues and causes	TB/ RB / OL	3	4
2.	concept – religion and its place in public domain	TB/ OL	3	3
3.	separation of region from politics	TB/ RB / OL	2	3

Unit IV **hrs :7**

Mass media: functions, characteristics, need and purpose – effects and influence – youth and children – media power – socio cultural and political consequences – mass mediated culture – consumeristic culture – Globalization – New media: prospects and challenges

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Mass media	TB/ RB / OL	5	6
2.	Globalization	TB/ OL	2	3

Unit V **hrs :6**

Personal values – family values – social values – cultural values – Professional values – and

overall ethics – duties and responsibilities

S.No	Topic	No of Reference/ Text Book/ Online	Duration (Hrs)	Cumulative period (Hrs)
1.	Personal values	TB/ RB / OL	3	4
2.	Professional values	TB/ OL	3	3

PREPARED BY

(S. MANICKA DEVI)

APPROVED BY

PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN- EVEN SEMESTER (2022- 2023)

Class **:III B.A. English Literature**

Subject **: Shakespeare**

Unit- I : Shakespeare's Sonnets
Hours : 16

Topic No.	Topic Name	No. of Ref./Textbook/Online	Duration	Cumulative Period	Methodology
1.	Introduction	T/1, R/2, O/3	3 Hours	3 Hours	Lecture
2.	Biography	T/1, R/3, O/1	3 Hours	6 Hours	Lecture
3.	Sonnet 18	T/1, R/2, O/2	2 Hours	8 Hours	Discussion
4.	Sonnet 29	T/1, R/4	3 Hours	11 Hours	Enumerated
5.	Sonnet 33	T/1, R/2, O/1	2 Hours	13 Hours	Analysis
6.	Sonnet 104	T/1, R/3, O/2	3 Hours	16 Hours	Video

Unit – II : *As You Like It* – Act I – Act II – Act III – Act IV – Act V
Hours : 19

Topic No	Topic Name	No. of Ref./Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Act I, Scenes I & II	T/1, R/3, O/3	2 Hours	2 Hours	Discussion
2.	Act I, Scenes III, IV	T/1, R/3, O/3	3 Hours	5 Hours	PPT
3.	Act II, Scenes I & II	T/1, R/4, O/2	2 Hours	7 Hours	PPT
4.	Act III, Scenes I & II	T/1, R/2, O/2	2 Hours	9 Hours	Recapitulation
5.	Act III, Scenes III & IV	T/1, R/2	2 Hours	11 Hours	PPT
6.	Act IV, Scenes I & II	T/1, R/1, O/5	2 Hours	13 Hours	Video

7.	Act IV, Scenes III & IV	T/1, R/2	2 Hours	15 Hours	Text
8.	Act IV, Scenes V, VI	T/1, R/2	2 Hours	17 Hours	Text
9.	Act V, Scenes I & II	T/1, R/4	2 Hours	19 Hours	Video

Unit III : *Othello* - Act I – Act II – Act III – Act IV – Act V
Hours : 17

Topic No.	Topic Name	No.of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Act I, Scenes I,II & III	T/1, R/3, O/3	3 Hours	3 Hours	Text
2.	Act I, Scene IV, Act II, Scene I	T/1, R/4	2 Hours	5 Hours	Lecture
3.	Act II, Scenes II,III & IV	T/1, R/3, O/5	3 Hours	8 Hours	Analysis
4.	Act III, Scenes I &II	T/1, R/2	2 Hours	10 Hours	Enumeration
5.	Act IV, Scenes I, II & III	T/1, R/4	2 Hours	12 Hours	Elaboration
6.	Act IV, Scenes IV, V & VI	T/1, O/4	3 Hours	15 Hours	Recapitulation
7.	Act V, Scene I	T/1, R/2, O/2	2 Hours	17 Hours	PPT

Unit IV : *Julius Caesar* - Act I – Act II – Act III – Act IV – Act V
Hours : 20

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Act I, Scenes I, II & III	T/1, O/3	2 Hours	2 Hours	Text
2.	Act I, Scenes IV & V	T/1, R/2	2 Hours	4 Hours	Text
3.	Act II, Scenes III, IV, V & VI	T/1, R/2, O/4	2 Hours	6 Hours	PPT
4.	Act II, Scene VII, Act III,	T/1, R/2	2 Hours	8 Hours	PPT
5.	Act III, Scenes IV, V, VI	T/1, R/3, O/3	2 Hours	10 Hours	Video
6.	Act III, Scenes VII, IX,	T/1, R/4, O/2	2 Hours	12 Hours	Video
7.	Act IV, Scenes I, II, III, IV	T/1, R/2, O/6	2 Hours	14 Hours	Enumerated
8.	Act IV, Scenes VI, VII, VIII	T/1, R/3	2 Hours	16 Hours	Analysis

9.	Act IV, Scenes XII, XIII	T/1, R/2	2 Hours	18 Hours	PPT
10.	Act V , Scenes I & II	T/1, R/3, O/2	2 Hours	20 Hours	PPT

Unit – V: General about Shakespeare
Hours :18

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	General Shakespeare	T/4, R/1, O/3	3 Hours	3 Hours	Lecture
2.	Stage & Audience	T/2, R/3, O/4	3 Hours	6 Hours	Lecture
3.	Fools	T/1, R/1	3 Hours	9 Hours	Video
4.	Clowns	T/1, R/2, O/2	3 Hours	12 Hours	Text
5.	Women in Shakespeare	T/1, R/3, O/4	3 Hours	15 Hours	Text
6.	Supernatural Elements	T/1, R/4, O/2	3 Hours	18 Hours	PPT

Prepared by

S. Revathi

Mrs. S. Revathi

Assistant Professor

Department of English

Holy Cross Home Science College, Thoothukudi.

Approved by

for S. M 1d

HOD
Dept. of English
Holy Cross Home Science College
Thoothukudi - 628 003.

Rukku

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN – EVEN SEMESTER 2022-23

CLASS: II YEAR U.G

SUBJECT: GENERAL ENGLISH (EVEN)

UNIT- I : PROSE- GIVE US A ROLE MODEL, THE BEST INVESTMENT I EVER MADE, SEVEN GOOD HABITS, HOW MUCH PLAN DOES A MAN NEED

HOURS : 16

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK /ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	INTRODUCTION ABOUT PROSE	T/1, R/2, O/3	3 HOURS	3 HOURS	ICT
2	GIVE US A ROLE MODEL	T/1, R/3, O/1	3 HOURS	6 HOURS	PPT
3	THE BEST INVESTMENT I EVER MADE	T/1, R/2, O/2	2 HOURS	8 HOURS	TEXTBOOK
4	SEVEN GOOD HABITS	T/1, R/4	3 HOURS	11 HOURS	TEXTBOOK
5	HOW MUCH PLAN DOES A MAN NEED	T/1, R/2, O/1	2 HOURS	13 HOURS	PPT
6	CRITICAL ANALYSIS OF THEMES	T/1, R/3, O/2	3 HOURS	16 HOURS	LECTURE

UNIT – II : POEM – ANXIETY, INCIDENT OF THE FRENCH CAMP, STOPPING BY WOODS ON A SNOWY EVENING, STILL I RISE

HOURS : 19

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1.	INTRODUCTION ABOUT A.K.RAMANUJAN	T/1, R/3, O/3	2 HOURS	2 HOURS	LECTURE
2.	ANXIETY	T/1, R/3, O/3	3 HOURS	5 HOURS	TEXTBOOK
3.	INTRODUCTION ABOUT BROWNING	T/1, R/4, O/2	2 HOURS	7 HOURS	ICT
4.	INCIDENT OF THE FRENCH CAMP	T/1, R/2, O/2	2 HOURS	9 HOURS	PPT
5.	INTRODUCTION ABOUT ROBERT FROST	T/1, R/2	2 HOURS	11 HOURS	PPT
6.	STOPPING BY WOODS ON A SNOWY EVENING	T/1, R/1, O/5	2 HOURS	13 HOURS	TEXTBOOK
7.	INTRODUCTION ABOUT MAYA ANGELOU	T/1, R/2	2 HOURS	15 HOURS	SEMINAR
8.	STILL I RISE	T/1, R/2	2 HOURS	17 HOURS	TEXTBOOK
9.	ABOUT THEMES	T/1, R/4	2 HOURS	19 HOURS	LECTURE

UNIT III : SCENES FROM SHAKESPEARE – ANTONY AND CLEOPATRA, MACBETH, KING LEAR

HOURS : 17

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1.	ABOUT THE AUTHOR	T/1, R/3, O/3	3 HOURS	3 HOURS	PPT
2.	ABOUT THE PLAY-ANTONY AND CLEOPATRA	T/1, R/4	2 HOURS	5 HOURS	ICT
3.	FINAL SCENE OF THE PLAY	T/1, R/3, O/5	3 HOURS	8 HOURS	TEXTBOOK
4.	ABOUT MACBETH	T/1, R/2	2 HOURS	10 HOURS	PPT
5.	SLEEPWALKING SCENE	T/1, R/4	2 HOURS	12 HOURS	TEXTBOOK
6.	ABOUT KING LEAR	T/1, O/4	3 HOURS	15 HOURS	PPT
7.	HEATH, BEFORE A HOVEL	T/1, R/2, O/2	2 HOURS	17 HOURS	LECTURE

UNIT IV : GRAMMAR- SIMPLE, COMPOUND, COMPLEX, TRANSFORMATION OF SENTENCES, SYNTHESIS OF SENTENCES, SPOTTING THE ERRORS.

HOURS : 20

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1.	SIMPLE, COMPOUND AND COMPLEX	T/1, O/3	2 HOURS	2 HOURS	ICT
2.	TRANSFORMATION OF SENTENCES	T/1, R/2	2 HOURS	4 HOURS	PPT
3.	AFFIRMATIVE TO NEGATIVE	T/1, R/2, O/4	2 HOURS	6 HOURS	LECTURE
4.	NEGATIVE TO AFFIRMATIVE	T/1, R/2	2 HOURS	8 HOURS	TEXTBOOK
5.	ASSERTIVE TO INTERROGATIVE	T/1, R/3, O/3	2 HOURS	10 HOURS	TEXTBOOK
6.	INTERROGATIVE TO ASSERTIVE	T/1, R/4, O/2	2 HOURS	12 HOURS	SEMINAR
7.	EXCLAMATORY TO ASSERTIVE	T/1, R/2, O/6	2 HOURS	14 HOURS	SEMINAR
8.	ASSERTIVE TO EXCLAMATORY	T/1, R/3	2 HOURS	16 HOURS	SEMINAR
9.	SYNTHESIS OF SENTENCES	T/1, R/2	2 HOURS	18 HOURS	LECTURE
10.	SPOTTING THE ERRORS	T/1, R/3, O/2	2 HOURS	20 HOURS	PPT

UNIT – V: COMMUNICATION SKILLS- PHONETICS, DIALOGUE WRITING, ONE WORD SUBSTITUTION, REPORT WRITING

HOURS :18

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1.	INTRODUCTION ABOUT COMMUNICATION SKILLS	T/4, R/1, O/3	3 HOURS	3 HOURS	LECTURE
2.	PHONETICS	T/2, R/3, O/4	3 HOURS	6 HOURS	PPT
3.	DIALOGUE WRITING	T/1, R/1	3 HOURS	9 HOURS	LECTURE
4.	ACTIVITY	T/1, R/2, O/2	3 HOURS	12 HOURS	-
5.	ONE WORD SUBSTITUTION	T/1, R/3, O/4	3 HOURS	15 HOURS	ICT
6.	REPORT WRITING	T/1, R/4, O/2	3 HOURS	18 HOURS	PRACTICAL

PREPARED BY

MS. R.INFANT LOURDU RASHNI,

ASSISTANT PROFESSOR,

DEPARTMENT OF ENGLISH,

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI.

APPROVED BY

for S. Mary

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 002.

SIGNATURE OF THE PRINCIPAL

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 002

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN – EVEN SEMESTER 2022-23

CLASS: I YEAR U.G

SUBJECT: COMMUNICATIVE ENGLISH (EVEN)

UNIT –I

HOURS:15

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	LISTENING AND RESPONDING TO COMPLAINTS	T/1,R/1,O/1	1 HOUR	1 HOUR	DISCUSSION
2	IN FORMAL & INFORMAL SITUATION	T/1,R/1	1 HOUR	2 HOURS	ACTIVITY
3	LISTENING TO PROBLEM AND OFFERING SOLUTION	T/2,R/3,O/1	1 HOUR	3 HOURS	TEXTBOOK
4	READING ALOUD	T/2,R/1,O/2	2 HOURS	5 HOURS	PRACTICAL
5	PARAGRAPH WRITING	T/2,R/2,O/3	3 HOURS	8 HOURS	PPT
6	PROVERB EXPANSION	T/2,R/1,O/2	1 HOUR	9 HOURS	TEXTBOOK
7	SYNONYMS AND ANTONYMS	T/2,R/3,O/2	1 HOUR	10 HOURS	TEXTBOOK
8	ADVERBS	T/2,R/1,O/2	2 HOURS	12 HOURS	PPT
9	PREPOSITIONS	T/2,R/1,O/2	3 HOURS	15 HOURS	PPT

UNIT –II

HOURS:15

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	LISTENING TO FAMOUS SPEECHES	T/1,R/1,O/1	1 HOUR	1 HOUR	ICT
2	MAKING SHORT SPEECHES	T/1,R/1	1 HOUR	2 HOURS	ACTIVITY
3	ACTIVITY	T/2,R/3,O/1	1 HOUR	3 HOURS	-
4	OPINION PIECES	T/2,R/1,O/2	2 HOURS	5 HOURS	PRACTICAL
5	PARAGRAPH WRITING	T/2,R/2,O/3	3 HOURS	8 HOURS	PRACTICAL
6	IDIOMS	T/2,R/1,O/2	1 HOUR	9 HOURS	PPT
7	PHRASES	T/2,R/3,O/2	1 HOUR	10 HOURS	PPT
8	CONJUNCTIONS	T/2,R/1,O/2	2 HOURS	12 HOURS	TEXTBOOK
9	INTERJECTIONS	T/2,R/1,O/2	3 HOURS	15 HOURS	TEXTBOOK

UNIT –III

HOURS:15

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	LISTENING TO TED TALKS	T/1,R/1,O/1	1 HOUR	1 HOUR	ICT
2	MAKING PPT	T/1,R/1	1 HOUR	2 HOURS	PRACTICAL
3	PRACTICAL	T/2,R/3,O/1	1 HOUR	3 HOURS	-
4	WRITING EMAILS	T/2,R/1,O/2	2 HOURS	5 HOURS	TEXTBOOK
5	READING SHORT SPEECHES	T/1,R/2,O/1	1 HOUR	6 HOURS	ICT
6	SENTENCE PATTERN	T/2,R/1,O/2	3 HOURS	9 HOURS	TEXTBOOK
7	ACTIVITY	T/2,R/3,O/2	2 HOUR	11 HOURS	-
8	ONE WORD SUBSTITUTION	T/2,R/1,O/2	3 HOURS	15 HOURS	PPT

UNIT –IV

HOURS:15

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	LISTENING TO MEETING	T/1,R/1,O/1	1 HOUR	1 HOUR	ICT
2	READING VISUAL TEXTS	T/1,R/1	1 HOUR	2 HOURS	PPT
3	ADVERTISEMENT	T/2,R/3,O/1	1 HOUR	3 HOURS	ACTIVITY
4	WRITING A BROCHURE	T/2,R/1,O/2	2 HOURS	5 HOURS	PRACTICAL
5	PARTICIPATING IN A MEETING	T/2,R/2,O/3	3 HOURS	8 HOURS	GROUP DISCUSSION
6	ACTIVITY	T/2,R/1,O/2	1 HOUR	9 HOURS	-
7	CONNOTATION	T/2,R/3,O/2	1 HOUR	10 HOURS	TEXTBOOK
8	DENOTATION	T/2,R/1,O/2	2 HOURS	12 HOURS	TEXTBOOK
9	SENTENCE TYPES	T/2,R/1,O/2	3 HOURS	15 HOURS	PPT

UNIT –V

HOURS:15

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	DURATION	CUMULATIVE PERIOD	METHODOLOGY
1	LISTENING TO INFORMAL INTERVIEW	T/1,R/1,O/1	1 HOUR	1 HOUR	ICT
2	LISTENING TO FORMAL INTERVIEW	T/1,R/1	1 HOUR	2 HOURS	ICT
3	READER'S THEATRE	T/2,R/3,O/1	1 HOUR	3 HOURS	PPT
4	WRITING LETTERS OF APPLICATION	T/2,R/1,O/2	2 HOURS	5 HOURS	ACTIVITY
5	WRITING SCRIPTS	T/2,R/2,O/3	3 HOURS	8 HOURS	PRACTICAL

6	ACTIVITY	T/2,R/1,O/2	1 HOUR	9 HOURS	-
7	PERFORMING	T/2,R/3,O/2	1 HOUR	10 HOURS	ROLEPLAY
8	COLLOCATION	T/2,R/1,O/2	2 HOURS	12 HOURS	PPT
9	CLAUSES	T/2,R/1,O/2	3 HOURS	15 HOURS	TEXTBOOK

Prepared by

R.Infant Lourdu Rashni,

Assistant Professor,

Department of English,

Holy Cross Home Science College, Thoothukudi.

Approved by

for S.M

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003.

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN – EVEN SEMESTER 2022-23
CLASS: I B.A. ENGLISH LITERATURE
SUBJECT: BRITISH DRAMA (EVEN)

UNIT –I

CHRISTOPHER MARLOWE - EDWARD II , BEN JOHNSON - THE ALCHEMIST

HOURS: 12

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ ONLINE	TEACHING METHODOLOGY	DURATION	CUMULATIVE PERIOD
1	Introducing British Dramatist	T/1,R/1,O/1	TEXTBOOK	1 HOUR	1 HOUR
2	Biography of Christopher Marlowe	T/1,R/1	TEACHING	1 HOUR	2 HOURS
3	Edward II - Summary	T/2,R/3,O/1	PPT	1 HOUR	3 HOURS
4	Edward II - Characters	T/2,R/1,O/2	LECTURE	2 HOURS	5 HOURS
5	Edward II as a Historical Play	T/2,R/2,O/3	PPT	3 HOURS	8 HOURS
6	Biography of Ben Johnson	T/2,R/1,O/2	LECTIRE	1 HOUR	9 HOURS
7	The Alchemist - Summary	T/2,R/3,O/2	PPT	1 HOUR	10 HOURS
8	The Alchemist - Essay	T/2,R/1,O/2	BLACKBOARD	2 HOURS	12 HOURS

UNIT –II

OLIVER GOLDSMITH – THE GOOD NATURED MAN

HOURS: 12

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	TEACHING METHODOLOY	DURATION	CUMULATIVE PERIOD
1	Biography of Oliver Goldsmith	T/1,R/1,O/1	YOUTUBE	1 HOUR	1 HOUR
2	The Good Natured Man – Play	T/1,R/1	PPT	1 HOUR	2 HOURS
3	The Good Natured Man – Characters	T/2,R/3,O/1	LECTURE	1 HOUR	3 HOURS
4	Sentimental Comedy	T/2,R/1,O/2	DISCUSSION	2 HOURS	5 HOURS
5	Character Analysis	T/2,R/2,O/3	TEACHING	1 HOUR	6 HOURS
6	Theme	T/2,R/1,O/2	PPT	2 HOURS	8 HOURS
7	Summary	T/2,R/3,O/2	LECTURE	2 HOURS	10 HOURS
8	Essay of Good Natured Man	T/2,R/1,O/2	DISCUSSION	2 HOURS	12 HOURS

UNIT –III

JOHN DRYDEN – ALL FOR LOVE

HOURS: 12

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ONLINE	TEACHING METHODOLOY	DURATION	CUMULATIVE PERIOD
1	Biography of John Dryden	T/1,R/1,O/1	YOUTUBE	1 HOUR	1 HOUR
2	All for Love Introduction	T/1,R/1	LECTURE	1 HOUR	2 HOURS
3	Themes	T/2,R/3,O/1	DISCUSSION	1 HOUR	3 HOURS
4	Act Wise Summary	T/2,R/1,O/2	TEACHING	1 HOUR	4 HOURS
5	Major Conflicts	T/2,R/2,O/3	PPT	2 HOURS	6 HOURS
6	Tragic Reconciliation	T/2,R/1,O/2	LECTURE	2 HOURS	8 HOURS
7	Conclusion of All for Love	T/2,R/3,O/2	PPT	1 HOUR	9 HOURS
8	Essay of All for Love	T/2,R/1,O/2	DISCUSSION	3 HOURS	12 HOURS

UNIT –IV

T.S.ELIOT – MURDER IN CATHEDRAL, J.M. BARRIE- THE ADMIRABLE CRICHTON

HOURS: 12

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ ONLINE	TEACHING METHODOLOY	DURATION	CUMULATIVE PERIOD
1	T.S.Eliot – Author Introduction	T/1,R/1,O/1	YOUTUBE	1 HOUR	1 HOUR
2	Murder in Cathedral	T/1,R/1	LECTURE	1 HOUR	2 HOURS
3	Main themes analysis	T/2,R/3,O/1	DISCUSSION	1 HOUR	3 HOURS
4	Biography of J M Barrie	T/2,R/1,O/2	TEACHING	2 HOURS	5 HOURS
5	Act wise summary of The Admirable Crichton	T/2,R/2,O/3	PPT	3 HOURS	8 HOURS
6	Character analysis	T/2,R/1,O/2	LECTURE	1 HOUR	9 HOURS
7	Major themes	T/2,R/3,O/2	DISCUSSION	1 HOUR	10 HOURS
8	Essay of The Admirable Crichton	T/2,R/1,O/2	LECTURE	2 HOURS	12 HOURS

UNIT –V

GEORGE BERNARAD SHAW – SAINT JOAN, JOHN OSBORNE – LOOK BACK IN ANGER

HOURS: 12

TOPIC NO	TOPIC NAME	NO.OF.REF./TEXTBOOK/ ONLINE	TEACHING METHODOLOY	DURATION	CUMULATIVE PERIOD
1	Biography of GB Shaw	T/1,R/1,O/1	YOUTUBE	1 HOUR	1 HOUR
2	Saint Joan – A Tragedy	T/1,R/1	PPT	1 HOUR	2 HOURS
3	Critical analysis of Saint Joan	T/2,R/3,O/1	PPT	1 HOUR	3 HOURS
4	Main themes of Saint Joan	T/2,R/1,O/2	BLACKBOARD	2 HOURS	5 HOURS
5	Summay of Saint Joan	T/2,R/2,O/3	LECTURE	3 HOURS	8 HOURS
6	Biography of John Osborne	T/2,R/1,O/2	DISCUSSION	1 HOUR	9 HOURS
7	Look back in anger – Act wise summary	T/2,R/3,O/2	BLACKBOARD	1 HOUR	10 HOURS
8	Historical Significance	T/2,R/1,O/2	PPT	1 HOUR	11 HOURS
9	Setting of Look back in Anger	T/2,R/3,O/2	DISCUSSION	1 HOUR	12 HOURS

Prepared by

E. Jose Raja Edil

Mrs. E. Jose Raja Edil
Assistant Professor,
Department of English,
Holy Cross Home Science College,
Thoothukudi.

Approved by

for S. M...d

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003.

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN – EVEN SEMESTER (2022 -2023)

Class : I B.A. English Literature

Subject : Professional English

Unit- I : Communicative Competence
Hours : 12

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Introduction	T/1, R/1, O/1	1 Hour	1 Hour	Text
2.	Introduction ctd	T/1, R/1	1 Hour	2 Hours	Text
3.	Definition	T/2, R/3, O/1	1 Hour	3 Hours	Lecture
4.	TED Talks	T/1, R/1, O/2	2 Hours	5 Hours	Video
5.	Listening	T/2, R/1, O/2	2 Hours	7 Hours	Video
6.	GD	T/2, R/1, O/3	1 Hour	8 Hours	Lecture
7.	Comprehension Activities	T/2, R/3, O/1	2 Hours	10 Hours	Discussion
8.	Summary Writing	R/1, O/2	2 Hours	12 Hours	Enumeration

Unit – II : Persuasive Communication
Hours : 12

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Introduction and Definition	T/1, R/2, O/4	1 Hour	1 Hour	Text
2.	Just a Minute	T/1, R/2, O/5	2 Hours	3 Hours	Activity
3.	Advertisements	T/1,R/2, O/5	3 Hours	6 Hours	Video

4.	Dialogue Writing	T/1, R/3, O/6	3 Hours	9 Hours	Lecture
5.	Cognitive Factors	T/1, R/3, O/6	3 Hours	12 Hours	Analysis

Unit – III : Digital Competence
Hours : 12

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Introduction and Definition	T/1, R/1, O/2	1 Hour	1 Hour	Lecture
2.	Video Conferencing	T/1, R/3, O/5	1Hour	2 Hours	PPT
3.	Vlogs	T/1, R/3, O/5	1 Hour	3 Hours	PPT
4.	Web pages	T/1, R/3, O/5	2 Hours	5 Hours	Video
5.	Reading Comprehension	T/2, R/3, O/1	2 Hours	7 Hours	Lecture
6.	Stress/ Intonation	T/2, R/3, O/1	2 Hours	9 Hours	Quiz
7.	Essay writing	T/2, R/3, O/1	1 Hour	10 Hours	Analysis
8.	Academic Essays	T/2, R/3, O/1	2 Hours	12 Hours	Quiz

Unit – IV : Creativity & Imagination
Hours : 12

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Introduction and Definition	T/1, R/4, O/3	1 Hour	1 Hour	Text
2.	MOOC Videos	T/1, R/1, O/3	1 Hour	2 Hours	Video
3.	Oral Presentations	T/1, R/3, O/4	3 Hours	5 Hours	PPT
4.	Short Films	T/1, R/4, O/2	2 Hours	7 Hours	Quiz
5.	Paragraph Writing	T/2, R/2, O/3	3 Hours	10 Hours	Analysis
6.	Script Writing	T/2, R/4, O/4	2 Hours	12 Hours	Video

Unit – V: Workplace Communication

Hours : 12

Topic No.	Topic Name	No. of Ref./ Textbook/ Online	Duration	Cumulative Period	Methodology
1.	Academic PPT	T/1, R/3, O/2	2 Hours	2 Hours	PPT
2.	Circulars, Minutes	T/1, R/3, O/2	1 Hour	3 Hours	Analysis
3.	Paraphrasing	T/2, R/1, O/3	3 Hours	6 Hours	PPT
4.	Punctuation	T/2, R/1, O/3	3 Hours	9 Hours	Enumeration
5.	Capitalization	T/1, R/2, O/2	3 Hours	12 Hours	Lecture

Prepared by

S. Revathi

Mrs. S. Revathi

Assistant Professor

Department of English

Holy Cross Home Science College, Thoothukudi.

Approved by

for S. Revathi

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003.

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52. NEW COLONY.
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

Course Plan : Even Semester 2022-23
Class : I MA English Literature
Subject : Shakespeare
Semester : II

Unit – I : General Shakespeare & Poetry

Hours: 15

Topic No.	Topic Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Shakespeare and his age	-	T/1, R/1, O/3	Lecture and PPT	2 hours	2 hours
2	Elizabethan theatre and audience	-	T/1, R/2, O/3	Lecture and Video	2 hours	4 hours
3	Folios and Quartos	-	T/1, R/4, O/4	Lecture	2 hours	6 hours
4.	Women in Shakespeare	-	T/1, R/3, O/3	Lecture	2 hours	8 hours
5.	Fools and Clowns in Shakespeare	-	T/I, R/3, O/4	Lecture and PPT	3 hours	11 hours
6.	The Supernatural Element	-	T/1, R/4 , O/4	Lecture and Video	2 hours	13 hours
7.	Venus and Adonais	-	T/1, R/2, O/2	Lecture	2 hours	15 hours

Unit – II: Comedy and Dark Comedy

Hours: 15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	A Midsummer Night's Dream	-	T/1, R/3, O/3	Lecture	8 hours	8 hours
2	Measure for Measure	-	T/1, R/3, O/4	Lecture	7 hours	15 hours

Unit – III: Tragedy and Tragicomedy

Hours:15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Macbeth	-	T/1, R/3, O/4	Discussion	8 hours	8 hours
2	The Winter's Tale	-	T/1, R/3, O/4	PPT	7 hours	15 hours

Unit – IV: Historical Plays

Hours : 15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Henry V	-	T/1, R/4, O/4	Lecture,PPT, Video	7 hours	7 hours
2	Coriclanus	-	T/1, R/4, O/4	Lecture,PPT, Video	8 hours	15 hours

Unit – V: Shakespearean Criticism

Hours: 15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Shakespearean Tragedy	A.C.Bradley	T/1, R/3, O/1	Lecture and PPT	3 hours	3 hours
2	Introduction : Shakespeare.Cultural Materialism and the New Historicism."An Extract from *political Shakespeare:New Essays in Cultural Materialism.*	Alan Sinfield,Jonathan Dollimore	T/1, R/5, O/5	Lecture and PPT	6 hours	9 hours
3	Representing Ophelia:Women,Madness,and the Responsibilities of Feminist Criticism."An Extract from *Shakespeare and the Question of Theory*	Elaine Showalter	T/1, R/2, O/4	Lecture	3 hours	12 hours
4	"Iago, the Essayist." An Extract from *Shakespeare in Theory and Practice*	Catherine Belsey	T/1, R/2, O/3	Lecture	3 hours	15 hours

Prepared by

A. Antonit. Judy

Antonitta Judy A
Assistant Professor,
Department of English,
Holy Cross Home Science College,
Thoothukudi.

Approved by

for S. Mary

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003.

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

Course Plan : Even Semester 2022-23
Class : I MA English Literature
Subject : British Non - Fiction
Semester : II

Unit – I : Old English & The Renaissance Period

Hours: 15

Topic No.	Topic Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	The Book of Jonah	The Bible (The Old Testament)	T/1, R/3, O/3	Lecture	6 hours	6 hours
2	A Treatise on the Astrolabe	Geoffrey Chaucer	T/1, R/4, O/2	Lecture	6 hours	12 hours
3	Of Goodness and Goodness of Nature	Francis Bacon	T/1, R/4, O/2	Lecture	3 hours	15 hours

Unit – II: Neo- Classical Period

Hours: 15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	A Modest Proposal	Jonathan Swift	T/1, R/3, O/2	PPT	6 hours	6 hours
2	Omens	Joseph Addison	T/1, R/4, O/2	PPT	6 hours	12 hours
3.	Instability of Worldly Grandeur	Oliver Goldsmith	T/1, R/3, O/2	PPT	3 hours	15 hours

Unit – III: The Romantic & The Victorian Period

Hours:15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	My Relations	Charles Lamb	T/1, R/3, O/3	Lecture	6 hours	6 hours
2	On Going a Journey	William Hazlitt	T/1, R/4, O/2	Lecture	6 hours	12 hours
3	An Earth upon Heaven	Leigh Hunt	T/1, R/2, O/4	Lecture	3 hours	15 hours

Unit – IV: The Victorian & The Georgian Period

Hours: 15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Literature and Science	Matthew Arnold	T/1, R/3, O/4	Lecture	6 hours	6 hours
2	The Roots of Honour	John Ruskin	T/1, R/3, O/3	Discussion	6 hours	12 hours
3	Of the Liberty of Thought and Discussion	John Stuart Mill	T/1, R/4, O/2	Seminar	3 hours	15 hours

Unit – V: Modernism & Post - Modernism

Hours: 15

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	George Bernard Shaw	A.G. Gardiner	T/1, R/3, O/4	Assignment	6 hours	6 hours
2	A Day in a life of a Tramp	George Orwell	T/1, R/3, O/2	PPT	6 hours	12 hours
3	English Snobbery	Aldous Huxley	T/1, R/3, O/3	Lecture	3 hours	15 hours

Prepared by

A. Antonitta Jud

Antonitta Judy A
Assistant Professor,
Department of English,
Holy Cross Home Science College,
Thoothukudi.

Approved by

for S. M

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN (EVEN)

Class: II BA English

Subject: British Fiction

Unit – I:

Jane Austen – Pride and Prejudice

George Eliot – The Mill on the Floss

Hours: 12

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	British Fiction – Introduction	T/1, R/3, O/2	1 hour	1 hour	Discussion
2.	Jane Austen – Introduction	T/1, R/2, O/2	1 hour	2 hours	PPT
3.	Pride and Prejudice	T/1, R/3, O/4	5 hours	7 hours	Teaching
4.	George Eliot – Introduction	T/1, R/3, O/3	1 hour	8 hours	Quiz
5.	The Mill on the Floss	T/1, R/2, O/2	4 hours	12 hours	Lecture

Unit – II:

Charles Dickens – Great Expectations

Joseph Conrad – Heart of Darkness

Hours: 12

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Charles Dickens – Introduction	T/1, R/2, O/1	1 hour	1 hour	PPT
2.	Great Expectations	T/1, R/3, O/2	5 hours	6 hours	Lecture
3.	Joseph Conrad – Introduction	T/1, R/3, O/2	1 hour	7 hours	Quiz
4.	Heart of Darkness	T/1, R/2, O/3	5 hours	12 hours	Teaching

Unit – III:

Agatha Christie – The Murder of Roger Ackroyd

George Orwell – Animal Farm

Hours: 12

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Agatha Christie – Introduction	T/1, R/2, O/2	1 hour	1 hour	PPT
2.	The Murder of Roger Ackroyd	T/1, R/2, O/3	5 hours	6 hours	Lecture
3.	George Orwell – Introduction	T/1, R/3, O/2	1 hour	7 hours	Quiz
4.	Animal Farm	T/1, R/2, O/3	5 hours	12 hours	Teaching

Unit – IV:

Ian McEwan – Atonement

Sarah Waters – The Little Stranger

Hours: 12

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Ian McEwan – Introduction	T/1, R/3, O/2	1 hour	1 hour	PPT
2.	Atonement	T/1, R/2, O/3	5 hours	6 hours	Lecture
3.	Sarah Waters – Introduction	T/1, R/3, O/3	1 hour	7 hours	Quiz
4.	The Little Stranger	T/1, R/2, O/2	5 hours	12 hours	Teaching

Unit – V:

Julian Barnes – The Sense of an Ending

Signe Pike – The Lost Queen

Hours: 12

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Julian Barnes – Introduction	T/1, R/2, O/2	1 hour	1 hour	PPT
2.	The Sense of an Ending	T/1, R/3, O/3	5 hours	6 hours	Lecture
3.	Signe Pike – Introduction	T/1, R/2, O/4	1 hour	7 hours	Quiz
4.	The Lost Queen	T/1, R/2, O/3	5 hours	12 hours	Teaching

Prepared by

Approved by

Signature of the Principal

I. Jesu Jesma,

Assistant Professor,

Department of English,

Holy Cross Home Science College,

Thoothukudi.

for S.M

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003.

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI
DEPARTMENT OF ENGLISH

Course Plan : Even Semester 2022-23
Class : II BA English Literature
Subject : Indian English Literature - II
Semester : IV

Unit – I : Prose
Hours: 12

Topic No.	Topic Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Chicago Address - I	Swami Vivekananda	T/1, R/3, O/3	Lecture	3 hours	3 hours
2	The Emerging World Society	Dr. Radhakrishnan	T/1, R/4, O/2	Lecture	3 hours	6 hours
3	"15. Emancipators" from *Wings of Fire:An Autobiography*	A.P.J.Abdul Kalam	T/1, R/4, O/2	Lecture	3 hours	9 hours
4.	Inequality, Instability and Voice	Amartya Sen	T/I, R/2, O/3	Lecture	3 hours	12 hours

Unit – II: Poetry

Hours: 12

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Small Scale Reflections on a Great House	A.K.Ramanujan	T/1, R/3, O/2	Lecture	3 hours	3 hours
2	Catholic Mother	Eunice de Souza	T/1, R/4, O/3	PPT	3 hours	6 hours
3.	Death of a Bird	Keki N. Daruwalla	T/1,R/4,O/2	PPT	3 hours	9 hours
4.	Postcard from Kashmir	Agha Shahid Ali	T/I, R/4, O/2	Seminar	3 hours	12 hours

Unit – III: Short Story

Hours:12

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Unfaithful Servants	Manjula Padmanabhan	T/1, R/3, O/3	Assignment	4 hours	4 hours
2	Remains of the Feast	Gita Hariharan	T/1, R/4, O/3	Seminar	4 hours	8 hour s
3.	The Portrait of a Lady	Khushwant Singh	T/1, R/4, O/4	Seminar	4 hours	12 hours

Unit – IV: Drama

Hours : 8

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Hayavadana	Girish Karnad	T/1, R/3, O/4	Assignment	8 hours	8 hours

Unit – V: Fiction

Hours: 16

Topic No.	Name	Author	Textbook/ No. of Ref./ Online	Teaching Methodology	Duration	Cumulative period
1	Such A Long Journey	Rohinton Mistry	T/1, R/3, O/2	Seminar	8 hours	8 hours
2.	The Year of the Runaways	Sanjeev Sahota	T/1, R/4, O/2	Assignment	8 hours	16 hours

Prepared by

A. Antonitta Judy

Antonitta Judy A
Assistant Professor,
Department of English,
Holy Cross Home Science College,
Thoothukudi.

Approved by

for S. Mary

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003.

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN (EVEN)

Class: II B.A English

Subject : American Literature -II

Unit –I : Prose

Hours. : 15

Unit 1:

Frederick Douglass : "Chapter VI & VII" from Narrative of the Life of Frederick Douglass, an American Slave

Ayn Rand : "Doesn't Life Require Compromise?" from The Virtue of Selfishness: A New Concept of Egoism

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Introduction to American l Literature	T/1, R/3, O/2	3 hours	3 hours	Discussion
2.	Introduction -Frederick Douglass	T/1, R/2, O/2	2 hours	5 hours	PPT
3.	Chapter VI - Narrative of the Life of Frederick Douglass, an American Slave	T/1, R/3, O/4	2 hours	7 hours	Teaching
4.	Chapter VII- Narrative of the Life of Frederick Douglass, an American	T/1, R/3, O/3	2 hours	9 hours	Quiz

	Slave				
5.	Ayn Rand -Introduction	T/1, R/3, O/4	3 hours	3 hours	PPT
6.	The Virtue of Selfishness: A New Concept of Egoism	T/1, R/3, O/3	3 hours	3 hours	PPT

Unit – II: Poetry

Hours : 15

Unit -II: Maya Angelou : Woman Work, Pablo Neruda : If You Forget Me,Garrett Kaoru Hongo : Yellow Light

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	Poetry -Introduction	T/1, R/2, O/3	2Hour	2Hour	Discussion
2	Woman Work	T/1, R/2, O/2	3Hour	3Hour	PPT
3	Woman Work-Analysis	T/1, R/2, O/2	2Hours	2Hours	Teaching
4	If You Forget Me	T/1, R/3, O/4	3Hour	3Hour	Quiz
5	If You Forget Me-Analysis	T/1, R/2, O/2	2Hour	2Hour	PPT
6	Yellow Light	T/1, R/3, O/3	3Hour	3Hour	PPT

Unit – III: Short story

Hours :15

Unit: One of these Days, Lullaby, Black-Eyed Women

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	Short Story -Introduction	T/1, R/2, O/2	2Hour	2Hour	Discussion
2	One of these Days	T/1,R/2,O/3	3Hour	3Hour	PPT
3	One of these Days- Analysis	T/1,R/1,O/1	2Hours	2Hours	Teaching
4	Lullaby	T/1,R/2,O/3	3Hour	3Hour	Quiz
5	Lullaby-Analysis	T/1,R/1,O/2	2Hour	2Hour	PPT
6	Black-Eyed Women	T/1,R/1,O/2	3Hour	3Hour	PPT

Unit – IV: Drama

Hours. : 15

Unit 4:

1. Lin-Manuel Miranda : Hamilton: An American Musical

2. William Wells Brown : The Escape; or, A Leap for Freedom

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	Introduction-Drama	T/1,R/1,O/1	3Hour	3Hour	Discussion
2	Hamilton: An American Musical	T/1,R/2,O/3	3Hour	3Hour	PPT
3	Hamilton: An American Musical	T/1,R/2,O/3	3Hour	3Hour	Teaching
4	The Escape; or, A Leap for Freedom	T/1,R/3,O/3	3Hour	3Hour	Quiz
5	The Escape; or, A Leap for Freedom	T/1,R/2,O/4	3Hour	3Hour	PPT

Unit – V. : Fiction

Hours. : 15

Unit V: 1. Chang-Rae Lee : Native Speaker

2. Philip Roth : Nemesis

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	Introduction-Fiction and its Orgin	T/1,R/1,O/1	3Hour	3Hour	Discussion
2	Chang-Rae Lee : Native Speaker	T/1,R/2,O/3	3Hour	3Hour	PPT
3	Chang-Rae Lee : Native Speaker - Character Analysis	T/1,R/2,O/3	3Hour	3Hour	Teaching
4	Philip Roth : Nemesis	T/1,R/3,O/3	3Hour	3Hour	Quiz
5	Philip Roth : Nemesis – Character Analysis	T/1,R/2,O/4	3Hour	3Hour	PPT

Prepared by

S.Abinaya

Approved by

for S.M

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003

Assistant Professor,

Department of English,

Holy Cross Home Science College,

Thoothukudi.

HOLY CROSS HOME SCIENCE COLLEGE, THOOTHUKUDI

DEPARTMENT OF ENGLISH

COURSE PLAN (EVEN)

Class: II B.A English

Subject : Language and Lingustics

Unit –I : The Origin and Development of Language

Hours. : 12

Unit 1: The Origins of Language, Animals and Human Language, Written Language

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1.	Introduction to Language and Linguistics	T/1, R/3, O/2	2 hours	2 hours	Discussion
2.	The Origins of Language	T/1, R/2, O/2	4 hours	4 hours	PPT
3.	Animals and Human Language	T/1, R/3, O/4	4 hours	4 hours	Teaching
4.	Written Language	T/1, R/3, O/3	2 hours	2 hours	Quiz

Unit – II: English Phonetics I

Hours : 12

Unit -II : How the Speech Organs Work in English, The Consonants of English, Consonant Sequences ,The Vowels of English

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	How the Speech Organs Work in English	T/1, R/2, O/3	2Hour	2Hour	Discussion
2	How the Speech	T/1, R/2, O/2	2Hour	2Hour	PPT

	Organs Work in English				
3	The Consonants of English	T/1, R/2, O/2	2Hours	2Hours	Teaching
4	The Consonants of English	T/1, R/3, O/4	2Hour	2Hour	Quiz
5	Consonant Sequences	T/1, R/2, O/2	2Hour	2Hour	PPT
6	The Vowels of English	T/1, R/3, O/3	2Hour	2Hour	PPT

Unit – III: Words in Company ,Intonation

Hours :6

Unit: Words in Company ,Intonation

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	Words in Company	T/1, R/2, O/2	2Hour	2Hour	Discussion
2	Words in Company	T/1,R/2,O/3	1Hour	1Hour	PPT
3	Intonation	T/1,R/1,O/1	2Hours	2Hours	Teaching
4	Intonation	T/1,R/2,O/3	1Hour	1Hour	Quiz

Unit – IV: English Phonetics II

Hours. : 18

Unit 4: The Patterns of Language – Morpheme

Word Form and Meaning

Group – Nominal, Verbal, Adverbial

Clauses and Sentences – IC Analysis

Sentences – Major and Minor Sentence Classification

Word Meaning - Association, Connotation, Collocation, Semantic Field

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology
1	The Patterns of Language – Morpheme	T/1,R/1,O/1	3Hour	3Hour	Discussion
2	Word Form and Meaning	T/1,R/2,O/3	3Hour	3Hour	PPT
3	Group – Nominal, Verbal, Adverbial	T/1,R/2,O/3	3Hour	3Hour	Teaching
4	Clauses and Sentences – IC Analysis	T/1,R/3,O/3	3Hour	3Hour	Quiz
5	Sentences – Major and Minor Sentence Classification	T/1,R/2,O/4	3Hour	3Hour	PPT
6	Word Meaning - Association, Connotation, Collocation, Semantic Field	T/1,R/3,O/2	3Hour	3Hour	PPT

Unit – V. : Regional and Social Variations of Language

Hours. : 12

Unit V: Language History and Change, Regional Variation in Language, Social Variation in Language

No.	Topic	Textbook/ Ref./ Online	Duration	Cumulative period	Methodology

1	Language History and Change	T/1,R/1,O/1	3Hour	3Hour	Teaching
2	Language History and Change	T/1,R/2,O/3	2Hour	2Hour	PPT
3	Regional Variation in Language	T/1,R/2,O/3	3Hour	3Hour	Teaching
4	Regional Variation in Language	T/1,R/3,O/3	2 Hour	2 Hour	Quiz
5	Social Variation in Language	T/1,R/2,O/4	2Hour	2Hour	PPT

Prepared by

S. Abinaya

S.Abinaya

Assistant Professor,

Department of English,

Holy Cross Home Science College,

Thoothukudi.

Approved by

for S.M.

HOD
Dept. of English
Holycross Home Science College
Thoothukudi - 628 003

Signature of the Principal

PRINCIPAL
HOLY CROSS HOME SCIENCE COLLEGE
52, NEW COLONY,
THOOTHUKUDI - 628 003