

Maharashtra State Board of Vocational Examination, Mumbai 400 051

1	Name of Course	Diploma Course in Fashion Designing & Clothing Construction																																																																																																				
2	Course code	410401																																																																																																				
3	Max no. of Students	25 Students																																																																																																				
4	Duration	2 year																																																																																																				
5	Course Type	Full Time																																																																																																				
6	No. of Days per week	6 days																																																																																																				
7	No. of hours per day	7 Hrs																																																																																																				
8	Space require	Theory Class Room – 200 sqft, Lab Sub.– 1500 sqft, Lab Elective - 400 sqft Total = 2100 Sq.Ft.																																																																																																				
9	Entry qualification	S.S.C. Pass																																																																																																				
10	Objective of syllabus	This course is specially designed for the students to get the extraordinary knowledge of the fast growing fashion & Clothing manufacturing industry.																																																																																																				
11	Employment opportunities	1) Fashion designer in a garment industry both in export or domestic. 2) Freelancer 3) Fashion merchandiser in garment industry. 3) Production Manager 4) Quality Controlder, Self Employment - Set up of own boutique.																																																																																																				
12	Teachers Qualification	For Vocational subjects - Degree in Fashion Designing & Garment Manufacturing. For Non-Vocational subjects - Master Degree in concern subject.																																																																																																				
13	Teaching Scheme – <table><tr><th rowspan="2">Sr.</th><th rowspan="2">Subject</th><th rowspan="2">Subject Code</th><th colspan="2">Clock Hours / Week</th><th rowspan="2">Total</th></tr><tr><th>Theory</th><th>Practical</th></tr><tr><td>1</td><td>English (Communication Skill)</td><td>90000001</td><td>2 Hrs</td><td>1 Hrs</td><td>3 Hrs</td></tr><tr><td>2</td><td>Elective – I</td><td>--</td><td>2 Hrs</td><td>1 Hrs</td><td>3 Hrs</td></tr><tr><td>3</td><td>Elective – II</td><td>--</td><td>2 Hrs</td><td>1 Hrs</td><td>3 Hrs</td></tr><tr><td>4</td><td>Paper Pattern Making</td><td>41040001</td><td>3 Hrs</td><td>8 Hrs</td><td>11 Hrs</td></tr><tr><td>5</td><td>Garment Making</td><td>41040002</td><td>3 Hrs</td><td>8 Hrs</td><td>11 Hrs</td></tr><tr><td>6</td><td>Fashion Designing & Illustration</td><td>41040003</td><td>3 Hrs</td><td>8 Hrs</td><td>11 Hrs</td></tr><tr><td colspan="5">Total</td><td>42 Hrs</td></tr></table>						Sr.	Subject	Subject Code	Clock Hours / Week		Total	Theory	Practical	1	English (Communication Skill)	90000001	2 Hrs	1 Hrs	3 Hrs	2	Elective – I	--	2 Hrs	1 Hrs	3 Hrs	3	Elective – II	--	2 Hrs	1 Hrs	3 Hrs	4	Paper Pattern Making	41040001	3 Hrs	8 Hrs	11 Hrs	5	Garment Making	41040002	3 Hrs	8 Hrs	11 Hrs	6	Fashion Designing & Illustration	41040003	3 Hrs	8 Hrs	11 Hrs	Total					42 Hrs																																														
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14	Internship	Two Month Summer Internship from 1 st May to 30 th June is Compulsory.																																																																																																				
15	Examination Scheme – Final Examination will be based on syllabus of both years. <table><tr><th rowspan="2">Paper</th><th rowspan="2">Subject</th><th rowspan="2">Subject Code</th><th colspan="3">Theory</th><th colspan="3">Practical</th><th colspan="2">Total</th></tr><tr><th>Duration</th><th>Max</th><th>Min</th><th>Duration</th><th>Max</th><th>Min</th><th>Max</th><th>Min</th></tr><tr><td>1</td><td>English (Commu- nication Skill)</td><td>90000001</td><td>3 Hrs</td><td>70</td><td>25</td><td>3 Hrs</td><td>30</td><td>15</td><td>100</td><td>40</td></tr><tr><td>2</td><td>Elective – I</td><td>--</td><td>3 Hrs</td><td>70</td><td>25</td><td>3 Hrs</td><td>30</td><td>15</td><td>100</td><td>40</td></tr><tr><td>3</td><td>Elective – II</td><td>--</td><td>3 Hrs</td><td>70</td><td>25</td><td>3 Hrs</td><td>30</td><td>15</td><td>100</td><td>40</td></tr><tr><td>4</td><td>Paper Pattern Making</td><td>41040001</td><td>3 Hrs</td><td>100</td><td>35</td><td>3 Hrs</td><td>100</td><td>50</td><td>200</td><td>85</td></tr><tr><td>5</td><td>Garment Making</td><td>41040002</td><td>3 Hrs</td><td>100</td><td>35</td><td>3 Hrs</td><td>100</td><td>50</td><td>200</td><td>85</td></tr><tr><td>6</td><td>Fashion Designing & Illustration</td><td>41040003</td><td>3 Hrs</td><td>100</td><td>35</td><td>3 Hrs</td><td>100</td><td>50</td><td>200</td><td>85</td></tr><tr><td colspan="9">Total</td><td>900</td><td>375</td></tr></table>						Paper	Subject	Subject Code	Theory			Practical			Total		Duration	Max	Min	Duration	Max	Min	Max	Min	1	English (Commu- nication Skill)	90000001	3 Hrs	70	25	3 Hrs	30	15	100	40	2	Elective – I	--	3 Hrs	70	25	3 Hrs	30	15	100	40	3	Elective – II	--	3 Hrs	70	25	3 Hrs	30	15	100	40	4	Paper Pattern Making	41040001	3 Hrs	100	35	3 Hrs	100	50	200	85	5	Garment Making	41040002	3 Hrs	100	35	3 Hrs	100	50	200	85	6	Fashion Designing & Illustration	41040003	3 Hrs	100	35	3 Hrs	100	50	200	85	Total									900	375
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16	Teachers – Three Teachers per batch for vocational component. For English, Elective-I & II guest faculty on clock hour basis.																																																																																																					
17	a) For Elective I – Student can choose any one subject Code Subject Name 90000011 Applied Mathematics 90000012 Business Economics 90000013 Physical Biology (Botany & Zoology) 90000014 Entrepreneurship 90000015 Psvchology b) For Elective II – Student can choose any one subject Code Subject Name 90000021 Applied Sciences (Physics & Chemistry) 90000022 Computer Application 90000023 Business Mathematics																																																																																																					

Subject Name – Paper Pattern Making – 1st year**(Subject Code – 41040001)**

	Theory		Practical
1)	a) Introduction to standard measurements b) Measurement Charts c) Various methods of taking measurements (direct, indirect, landmarks). d) Classification of measurements - Circumference, Horizontal and Vertical measurements.	1)	Methods of taking body measurements. - Land marks & taking anthropometrics measurement - Measurements from Garments.
2)	Methods of developing a pattern 1) Flat pattern 2) Draping	2)	Practice of using squares and scales, French curve for arm hole, necklines et. Practice of using other equipments.
3)	Tools & equipments used for Pattern Making. Scissors, measuring tapes, pins & pin holders, measuring tapes, markers, French Curves Scales, leg-shapes, notchers, tracing wheel etc.	3)	1) Drawing of child's panty 2) Bloomen 3) Childs bodice block & sleeve block, 4) child's skirt block.
4)	Style interpretation. 1) How it is done? 2) Benefits of Style Interpretation 3) Style Interpretation	4)	Style interpretation of any given design.
5)	Terminology used for pattern Making, Pattern Drafting, Flat Pattern Making, Basic Pattern Set, templates, Working Pattern, Production Pattern, Design Specification sheet, Pattern Chart, Cast Sheet, Grain, Warp, Weft, Selvedge, bias, true bias, apex, dart, dart legs, dart intake, tracing and blending, plump line, vertical, horizontal & perpendicular lines, symmetrical and asymmetrical lines, style na pattern size, pivotal point, pattern manipulation	5)	Adaptation of child's bodice to-yokes, bodies length.
6)	Principles of Pattern making – manipulation addition continuous.	6)	Adaptation of basic sleeve to Balloon sleeve, Flared sleeve, puff sleeve, cap sleeve, Magyar sleeve, petal sleeve, Leg-o-mutton sleeve.
7)	Pattern details – collars, sleeves, Yokes – functional & decorative Princess line & Empire line, Pockets.	7)	Draging & adaption of various collars. 1) Body Collar 2) 2) PeterPan Collar – Flat & Raised. 3) Cape collar, Sailors collar,

			Convertible collar.
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8)	Pattern Styles – Skirt terminology categorization of skirts on the basis of length and flare and their variations.	8)	Preparation of various types of packet (extended mock, 2 piece etc) Preparation of neckline variations (round, square cowl, v-shape, ruffle, sweet heart, boat)
9)	Study of the basic figure type, figures defects and developing pattern for them.	9)	Preparation of various types of pockets (patch, bello, welt, bound, set in) Preparation of various types of sleeves, (Plain, Puff, Flared, belt, cap, Magyar)
10)	Study of different types of pockets (extended mock, 2 piece etc.) Study of neckline variation round, square, cowl, v- shape, ruffle sweet heart, boat.	10)	Practice of attachment of zipper (Concealed open ended, lapped, centered).
11)	Types of pockets (Patch, bello, welt, bound set in), Types of sleeves (Plain, Puff, Flared, bell, cap, mogyar) Types of Fastens – Zippers.		

Subject Name – Paper Pattern Making – 2nd year
(Subject Code – 41040001)

	Theory		Practical
1)	Introduction to the layout laying out the pattern pieces, marking & trasferzing the pattern details, cutting.	1)	Planning layouts. Placing of draft paper patterns.
2)	Methods of Marker making 1) Manually 2) 2) Machine (Computer Aided Pattern Making)	2)	Planning layouts for various widths & special fabric (e.g. Rlaid, piles and unidirectional fabrics
3)	Grading – what is Grading Different methods of grading Grading the patterns in various sizes, uses of grading & its importance.	3)	Grading of various patterns in three different sizes with different methods.
4)	Dart manipulation Methods of dart Manipulation – slash & spread method, pivot method. Importance of dart manipulation body defects remedies of dart manipulation.	4)	Dart manipulation into 1) Single dart series 2) Two dart series 3) Multiple Dart series 4) Single lines – Princess & empire 5) Yokes
5)	Pants - Terinology - Categorization of pants of the basis of lengths & fit and their variations.	5)	Addition of fullness through - Conversion & relocation of darts. - Additional fullness.
6)	Knowledge of different types of jackets. Knowledge of different types of coats.	6)	Drafting of adults bodice block and sleeve. Drafting of adults shirt block by adaption of basic body block. Drafting of Gents trouser.
7)	Knowledge of different of sleevesw, collars, cuffs, skirts, tops & blouses.	7)	Drafting of Gents Suit Single breasted / double breasted.
8)	Different types of paper Pattern	8)	Construction of lady' salwar kameez, kalidar kurta, churidar, pyjama Construction of lady's saree blouse. Construction of lady's lehnga choli. Construction of Gents Nehru Kurta
9)	Terms used for Paper Pattern Making in the Fashion Industry.	9)	Construction of party frock Construction of Jump suit. Construction of boys shorts Construction of skirt & tops.

List of Materials Required (Tools / Equipments)

- 1) Wooden Scale
- 2) Measuring Tape
- 3) Ruler (Steel / Wooden)
- 4) Cutting Seizers
- 5) Tailor Square Plastic
- 6) Leg shaper plastic
- 7) Hip Carve Plastic
- 8) Arm Hole French Curve big plastic
- 9) Pattern Punch
- 10) Pattern Notcher
- 11) Pattern Hanging Hook
- 12) Pattern Hanging Stand
- 13) Tailoring Chalk
- 14) Brown Paper
- 15) L-square (Wooden / Plastic)

Refernces :

- 1) Armstrong Joseph Helen, "Pattern making for Fashion design"
- 2) Hill house & Mansfield, "Dress Design Draping & Flat pattern Making." Houghton Miffic Company, 1975.
- 3) Martin M. Shoben "Pattern Cutting Making Up" CBS Publishers, New Delhi.
- 4) Goulbourn Margartha "Introducing Pattern Cutting, grading & Modeling: Bastsford Pub. U.K.
- 5) Pattern Design for Haute Couture, Volume 1.

(Subject Code – 41040002)

Subject Name : Garment Making - 1 st Year

	Theory		Practical
1)	Tools & equipment used in making, stitching, cutting & finishing.	1)	Introduction & knowledge about tool & equipments used for drafting cutting & stitching.
2)	Machines types used for stitching machine parts, attachments, different machines used for finishing, trimming, button, buttonhole, elastic attaching, fusing, collar & cuff turning, embroidery, Zigzag etc. Lock stitch machine, chain stitch machine over lock machine, double needle lockstitch machine bar tracking machine, flat lock machine	2)	Assembling & dismantling of a hand operated sewing machine.
3)	Care & maintains of machine, regulars clean up, Oiling etc. Types of lubricating oil used maintaince schedule, fees lubricating the machine.	3)	Operating of various components of machine with respect to various operation.
4)	Common defect of sewing machine & its rectification.	4)	Size charts fecteral stitch standards. various stitch types as per international standards class 100, 300, 500, 600
5)	General purpose of stitching machines working of sewing machine hand & electric operated machine components functions.	5)	Various types of stitches in the garment, fusing & pressing of Garment.
6)	Fusing & pressing equipments.	6)	Visit to a garment industry to get the knowledge of machine set up, various types of machines in the industry & submit a report.
7)	Importance of taking accurate body Measurements, locating proper measuring points for children Women & Men.	7)	Construction of baby Zabala types of with to yoke. Construction drafting stitching of baby Zabala. Type 2 with yoke 8 flax.
8)	Sewing thread on embroidery threads their number sizes & uses according to the niddle & Cloth.	8)	Construction of drafting & Stitching of party frock, Frills, A Line Umbrella.

9)	Preparation of fabric shrekage, Straighting ironing.	9)	Construction, drafting & stitching of Jumpsuit.
10)	Placing , marking, cutting & handling of various types of materials.	10)	Construction, drafting & stitching of boys shorts.
11)	Selection of trimmings supporting fabric (Lining, interring) & fastener.	11)	Construction & stitching of a night suit (II year)
12)	Estimating the fabric & accessories on the basic of body measurements.	12)	Construction & stitching of skirt & top.
13)	Knowledge of various fastness press button, hooks & eyes eyelets buckles, button, Button holes Zippers Valero tape.	13)	a) Making samples of basic stitches basting stitch, Back stitch Blanket stitch button hole hemming, slip stitch whipping, Lock Stitch. b) Decorative stitches – lazy dazy chain, stain stitch, tarring bone feather long & shut patch work mirror work cross stitch & Beading French knit. Various seams & sean finisher plan seam, counter hen sean lapped sean, run & fell sean.
		14)	Miner defects in the garments & their remediates.
		15)	Making small samples & preparation of various types of plackets, necklines, pockets sleeve & zipper attachment.

Note :- All practical to be concerned in the fill along with procedures analysis & samples

Subject Name :- Garment Making (IInd Year)

	Theory		Practical
1.	Knowledge of various types of skirts, shirts, tops, blouses.	1.	Hooks & eyes, Eyelets buckles button, buttonholes, zippers & Velero tape.
2.	Knowledge of various types of coats, jackets, trousers.	2.	Plackets one Piece & two piece packet opening.
3.	Knowledge of various types of collars, cuffs , necklines sleeves.	3.	Disposal of fullness-pleats knife, box laverted packets tucks, pin shells Gather smoking, shirring, fills & raffle.
4.	Fibers- introduction to textiles fiber, classification & description of various textile fibers (natural, manmade & synthetic) physical & chemical properties for identification use and care.	4.	Design & Stitch any one type of skirt & blouse.
5.	Yarn- types of yarns- simple noveltte & textured yarns.	5.	Design & stitch anyone type to coat.
6.	Weaves – introduction to different types of weaves.	6.	Design & stitch top using cuff, collar & sleeve of your choice.
7.	Dyes- Introduction to dyes classification of dyes as per their application. Natural, Diesel Acidic basic sulpher Indigos of soluable vat, Reactive, repressed, Nepthathel as Azoic done oxidation dyes & pigment colours.	7.	identification of fibers by burning test microscope chemeical meth. Yarn court, stain removing of various types of stain. Prepare samples & make a project.
8.	Fashion Redding of a garments care labels & costing of garments.	8.	Collect samples of various yarns.
9.	Color fastness, qualities control stain removing of various types of stains.	9.	Colours fastness test to heat sunlight, gas funes, Perspiration, humidity, crocker and ironing an coloured natural fabrics.
10.	Trimming threads elastics, interfacing, narrow fabrics fasterness, belts.	10.	Stitch a women petticoat saree blouse, katori-designes Blouses, Salwar Kameez, Churidar, Patiyala Salwar.

11	Casting a garment casting functions the cost sheet, wholesales pricing cost merchandising.	11	Design & Stitch an evening gown of Off-shoulder using darts & Cup pads.
12	Spreading a & Cutting procedures in a Industry – spreading cutting techniques environmental concerns, bundlings.	12	Design & Stitch T-Shirt for male of Knitted materials.
		13.	Design & Stitch harem pants for a woman.

List of Material Required (Tools & Equipments) :

- 1) Single Needle High Speed
- 2) Buttonhole Machine
- 3) Bartack Machine
- 4) Belt Fixing Machine
- 5) 5 Thread Overlock Machine.
- 6) Blind Stitch Machine
- 7) Fusing Machine
- 8) Vacuum Pressing System

References :

- 1) Mullik Prem Lata, Garment Construction Skill” Kalyani Publishers, New Delhi
- 2) “Complete Guide to Sewing” Reader Digest
- 3) Readers Digest Sewing Book
- 4) Thomas Anna Jacob “ The Art of Swing” USB Publishers, New Delhi.

Subject Name – Fashion Designing & Illustration – 1st year**(Subject Code – 41040003)**

	Theory		Practical
1)	Introduction to the course. Career Opportunity of the course.	1)	Illustrate different types of lines (dotted, broken, vertical, horizontal, diagonal, zigzag, curved, thick & thin.
2)	Tools & equipment used for fashion designing. Safety precautions to be taken while designing.	2)	Practice of pencil shading techniques
3)	Introduction to the Fashion. Its history & trends. Understanding design, relationship to design in daily life, fashion cycle, trend, yod style.	3)	Colour wheel, corresponding colour exercise, tints, shades tones, colour scheme.
4)	Elements of designing i) Line ii) Colour iii) Shapes iv) texture v) Value, how these elements are used in relation to the figure.	4)	Industrial visit or market , Survey to understand fabrics, colour & elements of designing used in the garment.
5)	Colour theory, primary, secondary, Intermediate, Tertiary, Quaternary, colours, Hue, Value, intensity, tints, shades, tones, colour scheme, Analogous, achromatic, Mono-Chromatic Polychromatic, Warm & Cool, transparent, Warm & Cool, Opaque, rainbow, contrast, complimentary & split complementary, colours relating to season / moods / rags.	5)	Different types of textures and prints, shiny, decorative different animal prints, tie & dye, leather, denim, tissue, transparent, velvete, satin, batik etc.
6)	Different types of textures available in the market, properties of a fabric, care & maintenance of fabric.	6)	Practical exercises for silhouettes in fabrics & other objects / nature & human body.
7)	Design Variation	7)	Practice of drawing various necklines & collars
8)	Principles of designs – Rhythm, harmony, space, scale, proportions, balance, Unity, symmetry.	8)	Practice of drawing various Tops & bodices, Practice of drawing skirts, pants, sleeves, cuffs, pleats, ruffles, frills, pockets, coats, jackets. Corresponding exercises with rhythm, Harmony, balance, Unit & Symmetry to be done on dummy.
9)	Space – value & Space in design	9)	Practical exercises on optical illusion.
10)	Collage and its types-relief & flat.	10)	Making collage with waste material, making collage with flat materials, making collage with fabrics.

11)	Indian historical costumes, costumes from different states of India – Maharashtra, Gujrat, Rajasthan, Kashmir, Punjab, M.P., U.P., Bangal, Tamilnadu, Kerala, Karnataka, Goa etc.	11)	Drawing & head croqui figure proportions, page planning.
12)	Study of human body, 8-head theory, Difference between Male & Female figure.	12)	Drawing 10, 12, 14 head figures, Flashouts of croqui.
13)	Knowledge of stages of childrens growth, childrens, todllars, teenagers	13)	Drawing of Different poses of Female croqui & Male croqui
14)	Page Planning, Layout & proportion for drawing.	14)	Practice of drawing different male & female croquies.
15)	Knowledge of different laces, fasteners, trimmings & decorative material available in the market.	15)	Drawing eyes, nose of lips from different angles like side, front $\frac{3}{4}$ view
16)	Knowledge of different types of tops, shirts, skirts, sleeves, neclines, collars, cuffs, pleats, gathers, yokes	16)	Drawing facial view side, front, $\frac{3}{4}$ view
		17)	Practice of drawing different hair styles.
		18)	Practice of drawing different hand poses of male, female & childrens.

Subject Name – Fashion Designing & Illustration – 2nd year**(Subject Code – 41040003)**

	Theory		Practical
1)	Concept of fashion Designing	1)	Fashion Figure - (Difference between normal & fashion figure.
2)	Fashion careers that require sketching. Maintenance of scrap book.	2)	Designing of a garments using different colour schemes.
3)	Sources of Inspiration History, Films, Art, Music, Architecture, Vintage clothing shops, flee market etc.	3)	Design any garment by inspiring from any of the sources.
4)	Fiber – Manufacturing process, Fiber / Fabric properties, Classification of Fiber, Yarn count, Weave-types of weaves.	4)	Collect the samples of various fibers from the market & submit a projects on classification of yarn, Weave of fabric & properties.
5)	Knowledge of draping, stylizing, garments from various states of India. Rajasthan, Gujarat, MP, UP, Kerala, Karnataka, Maharashtra, Bangal, Tamilnadu, Kashmir etc.	5)	Group Display of various costumes from the various states.
6)	Knowledge of world costume – Greek, Erope, China, Japan, Rome, Africa, United States.	6)	Designing of a various traditional costumes from various nations.
7)	Fashion Merchandising, Role of a merchandiser, Role of a Designer, Role of a Manager, Principals of Merchandising.	7)	Story board of any one subject.
8)	Visual Merchandising, Role of a Visual Merchandiser, Display What is Display & Types of display.	8)	Mood board – select a theme & design the garments according to the theme.
9)	Advertising, Media, Different types of media, Fashion show, News papers, Fashion Magazines, Banners, catalogues etc.	9)	Grouping of a figures, male / female.
10)	Entrepreneurship, Role of a Entrepreneur, Principles & Quality of a Entrepreneur, how to start a business sources etc.	10)	Designing of a garments taking into consideration of various themes, like occasional wear, sports wear, party wear, casual wear, Wedding Suit, Night Suit, Seasonal Wear, (Summer / Winter / Rainy)
		11)	Design & stitch at least two garment based on them present it in a fashion show.

List of Material Required :

- 1) T.K. Sheet
- 2) Staedtler pencils
- 3) Posture Colours
- 4) Drawing Pencils
- 5) Drawing Board
- 6) Brush
- 7) Wax Crayon
- 8) Tracing Paper
- 9) Grafite 1E Bony Pencil
- 10) Brush Pen
- 11) China Marker
- 12) Water Based Paints

References :

- 1) Indian Fashion Design
- 2) Figure Drawing
- 3) Fashion Drawing the basic Principles
- 4) Illustrating Fashion
- 5) Illustration of Women
- 6) Illustration of men
- 7) Illustration of children
- 8) Fashion Drawing Designs, magazine of Thailand
- 9) Latest Fashion Style by Winter Hiver
- 10) Jasmine's New Look, on Fashion Scene
- 11) Lifestyle : Fashion Styles by Katheryn Samuel