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Transforming the skill landscape

Sample Test Project

Regional Skill Competitions – Level 3

Skill 31 - Fashion Technology

Category: Creative Arts and Fashion

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SAMPLE

Section - A

A. Preface

Skill Explained:

The Fashion Technology practitioner creates garments. The technical skills involved include design, pattern construction, cutting and garment manufacture.

The practitioner may work in one of several sectors but often they are self-employed and work on commissioned projects or in the retail manufacturing sector or in sampling garments for production. As such they need to have business acumen and strong interpersonal skills when dealing with clients. Excellent customer care and selling skills are crucial. As some work is often commissioned for important events, the practitioner must understand the needs of the client and be able to offer appropriate expert advice whilst interpreting the vision for the finished project. Customer briefs must be clearly understood and followed accurately

Eligibility Criteria (for IndiaSkills 2018 and WorldSkills 2019):

Competitors born on or after 01 Jan 1997 are eligible to attend the Competition.

Total Duration: 12 Hrs

Section - B

B. Test Project

This Test Project will evaluate the Competitor while carrying out the following tasks:
Techniques in designing, drafting, cutting, assembling, fusing and pressing

This Test Project has 3 different modules

Module 1: Sketching: Design and sketch Technical drawings

Module 2: Draping

Module 3: Pattern Making

Module 4: Construction

MODULE 1: SKETCHING – MAXIMUM TIME - 1 HOUR Day 1

Competitors will be required to create production/trade/flat sketches of coordinated garments in black ink, front and back, to be presented in A3 size. They will be supplied with a template/croqui (available prior to the competition) as well as a random swatch of mystery fabric. They will be required to sketch garments according to the properties of the fabric as well as a particular target market. The target market will be selected at random at the start of the module – it will be either:

- Fast fashion (low end, budget garments – three pieces front and back) or
- Mid-range (good quality, mid cost garments – two pieces front and back) or
- Couture (high end, expensive garments – two pieces front and back)

MODULE 2: DRAPING- MAXIMUM TIME 1.5 HOURS Day 1

Competitors will be supplied with 1.5m of calico. They will be required to drape the calico on the dress form, pinning as they go, to create a copy of a mystery style to be supplied at the start of the module. The mystery style of a top or a skirt will be sourced locally and unknown to any Expert. 3-5 suitable styles will be selected and put in a ballot draw. 1 will be selected at randomly at the start of module 1. All Competitors will drape this style. They will be marked on their fabric handling skills and also the accuracy of their interpretation of the style.

MODULE 2: PATTERN MAKING – 3 HOUR S Day 2&3

Competitors will receive a Draft of basic slopers and the Dress to be manipulated accordingly.

MODULE 3: CONSTRUCTION- 6.5 HOURS

The garment must have:

- Length as per the observation of sketch
 - Sleeve finished well
 - Hem with appropriate finish
 - Closure as required
- Collar well finished
One inseam pocket well finished
No raw edges allowed.



The Competitor has to prepare the production pattern, prepare the fabric, lay up the pattern, cut the fabric, fuse some parts of the Top and sew and finish.

Section – C

C. Marking Scheme

Marking Scheme: The Assessment is done by awarding points by adopting two methods, Measurement and Judgments

- Measurement –One which is measurable
- Judgments-Based on Industry expectations
- Aspects are criteria's which are judged for assessment

Skill name: Fashion Technology			
Criteria			Mark
A	Module 1 - Sketching		25.00
B	Module 2- Draping		15.00
C	Module 2- Patternmaking		20.00
D	Module 3 -Construction		40.00
Sub Criteria	Aspect Type	Aspect - Description	Judge Score
Name or Description	O = Obj S = Sub J = Judg		
Sketching - Module completed correctly	M	Page presentation neat and tidy Yes or No	2
	M	Sketches all completed in ink - Yes or No	1
	M	Sketches/technical drawing show correct number of garments - front and back - Yes or No	1
Sketching - Target market	J	Design production value appropriate for target market	2

		Design not appropriate or not cost effective for production	0
		Design show poor knowledge of cost and production	1
		Design show good knowledge of cost and production	2
		Design show excellent knowledge of cost and production	3
	J	Sketches/technical drawing - garment function	2
		Garment function is poor- i.e no zipper or buttons	0
		Garment function is acceptable	1
		Garment function is good	2
		Garment function is excellent	3
Sketching - Creativity + Variety	J	Design ideas of each garment show creativity	1.5
		Design ideas show no creativity	0
		Design ideas show some creativity	1
		Design ideas show good creativity	2
		Design Ideas show excellent creativity	3
	J	Design ideas of all garments show variety	2
		Design ideas show no variety of ideas or styles	0

		Design ideas show some variety of ideas or styles	1
		Design ideas show good variety of ideas or styles	2
		Design ideas show excellent variety of ideas or styles	3
	J	Designs coordinate well	2
		Designs do not coordinate well or show that they would be part of the same collection	0
		Designs show some coordination as part of the same collection	1
		Designs show good coordination as part of the same collection	2
		Designs show excellent coordination as part of the same collection	3
Sketching - Fabric properties	J	Fabric suitability	1.5
		Designs not suitable for the fabric weight, type and other properties	0
		Designs are little suitable for the fabric weight, type and other properties	1
		Designs quite suitable for the fabric weight, type and other properties	2
		Designs are very suitable for the fabric weight, type and other properties	3
Fabric drawn	J	Selected fabric drawn correctly - good	2

		understanding of fabric properties	
		Fabric will not move or fall in the way as shown in the sketch	0
		Fabric will move or fall in the way as shown in some parts of the sketch	1
		Fabric will move or fall in the way as shown in most parts of the sketch	2
		Fabric will move or fall in the way as shown exactly in the parts of the sketch	3
Sketching - Technical drawing quality	J	Overall quality of sketching/drawing technique	1.5
		Not good quality, lines not straight, curves and shapes not appropriate	0
		Acceptable quality, with quite few imperfections in the drawing	1
		Only a few small imperfections with lines, curves and shapes	2
		Excellent quality, all lines and curves well done, no imperfections	3
	J	Wearability	1.5
		Garment wearibility is poor eg., parts too tight for movement, gaping areas, loose tangling parts, areas wont stay up etc.	0
		Garment wearability is ok	1

		Garment wearability is good	2
		Garment wearability is excellent	3
Sketching - Garment details	J	Sketching/technical drawing details of construction accurate	1.5
		Details not accurate enough for pattern maker to proceed	0
		Few Details accurate for pattern maker to proceed	1
		Details somewhat accurate for patternmaker to proceed in most of the garments	2
		All details accurate in all garments	3
Design Feasibility	M	Design feasibility - Yes or No	1.5
Sketching - Flow through + Coordination	J	Sketches/technical drawing show good flow through of designs, front to back	2
		Most areas of the garments do not flow through front and back	0
		Only some areas of the designs flow through front and back	1
		Most areas of the designs flow through front and back	2
		All areas of the design flow through front and back	3

Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judg Score
Draping - Proportions	J	Design proportions - front only	1
		0 silhouette of the drape do not reflect the proportions of the original design (e.g. bodice and skirt lengths, straps, angles etc.)	0
		1 silhouette of the drape reflects some parts of the design but not all	1
		2 silhouette of the drape reflected in most parts of the design	2
		3 silhouette of the drape accurately reflects all parts of the original design	3
Fit - front and back	J		2
		fit of the draped design is not acceptable, does not represent the sketch or is incomplete	0
		fit of the draped design is poor and/or not much like the sketch	1
		fit of the draped design is good and/or mostly like the sketch	2

		fit of the draped design is excellent and/or very much like the sketch	3
Design details front only	J		1.5
		design details are not at all accurately reflected on the stand (e.g. ruching, pleats, tucks, panels, gathers, bands, cut outs etc.)	0
		design details are somewhat accurately reflected on the stand	1
		design details are quite accurately reflected on the stand	2
		design details are very accurately reflected on the dummy	3
Back design - flow through from the front	J		1
		flow through front to back not smooth, all seams and armholes (2mm tolerance)	0
		flow through from the front somewhat smooth	1
		flows through quite smoothly from the front	2
		flows through very well from the front	3
Neck and/or shoulder line/armhole	J		1.25
		neckline and/or shoulder line/armhole is not at all	0

		the same as the original design	
		neckline and/or shoulder line/armhole somewhat similar	1
		neckline and/or shoulder line/armhole is almost the same as the original design	2
		neckline and/or shoulder line/armhole is exactly the same as the original design	3
Fullness flare and volume of fabric - front only	J		1.25
		the amount of fullness/flare/volume of fabric included in all aspects of the design, is not the same as the original design	0
		the amount of fullness/flare/volume of fabric included in all aspects of the design is only acceptable	1
		the amount of fullness/flare/volume of fabric included in all aspects of the design is good	2
		the perfect amount of fullness/flare, and/or volume of fabric is included in all aspects of the design	3
Fabric handling skills - Grainlines	J		0.75

		grainlines unsuitable or off-grain or the fall of the fabric is not at all accurate to the sketch	0
		acceptable grainlines have been used fairly well and fabric is mostly falling well, a little like the sketch	1
		appropriate grainlines have been used quite well and fabric falls well, quite like the sketch	2
		best grainlines have been used neatly and fabric falls extremely well, matching the sketch	3
Fabric handling - outside edges only - front and back	J		1.75
		Finishes on most edges unsatisfactory and/or messy e.g. rough raw edges, folds not well handled, cutting not smooth.	0
		finishes on some edges neat and showing smooth lines	1
		finishes on most edges neat and showing smooth lines	2
		finishes on all edges neat and showing smooth lines	3
Fabric handling - seams/darts - front and back	J		1.75

		finishes on most seams/darts unsatisfactory and/or messy e.g. unbalanced darts, rough finish, seams distorted or puckered, lines not smooth, poor pinning	0
		finishes on some seams neat and showing smooth lines	1
		finishes on most seams neat and showing smooth lines	2
		finishes on all seams neat and showing smooth lines	3
Garment function considered and indicated - Yes or No	M	Drape will function when made into a pattern e.g. dress will function and be wearable, zipper or button closure indicated. Zero if incomplete	0.75
Back design - creativity	J		0.75
		design created for the back not at all creative	0
		design created for the back mildly creative	1
		design created for the back quite creative	2
		design created for the back is very creative	3
		Back design - coordination with front	0.75

		design created for the back not at all coordinated with the front	
		design created for the back mildly coordinated with the front	
		design created for the back quite coordinated with the front	
		design created for the back is very well coordinated with the front	
Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judg Score
Patterns neat/tidy	M	Pattern pieces neatly presented - .5 deduction for each mistake	1.5
Pattern labelling	M	Pattern labeling - Size (38) - .5 deduction for each mistake	1.5
	M	Pattern labeling - Piece name - .5 deduction for each mistake	1.5
	M	Pattern labeling - Style number (state code) - .5 deduction for each mistake	1.5
	M	Pattern labeling - Piece number - .5 deduction for each mistake	1.5
	M	Pattern labeling - Cutting instructions - .5 deduction for each mistake	1.5
	M	Pattern labeling - Grainlines - .5 deduction for each mistake	1.5

Patterns - Seam and Hem allowances	M	Seam and hem allowances - .25 deduction for each mistake	2
	M	Seam allowance even - .25 deduction for each mistake	2
Pattern - Notching	M	Notching - .5 deduction for each mistake	2
Patterns - Flow through + function	M	Flow through and alignment of pattern pieces - .5 deduction for each mistake	2
	M	Pattern function - Yes or No	1.5
Sub Criteria Name or Description	Aspect Type O = Obj S = Sub J = Judg	Aspect - Description	Judgment Score
Lay + Cutting	M	Pattern pieces secure - .2 deduction for each mistake	2
	M	Fabric laid up neatly - Yes or No	1
	M	Pattern pieces laid up according to cutting instructions - main and contrast only - .25 deduction for each mistake	2
Lay + Cutting - Grainlines	M	Grain lines correct for pieces - 2mm tolerance, 0.5 deduction for each mistake	2
	M	table and floor tidy, ready to cut - HSE - Yes or No	1

Fabric Economy	J	Fabric economy (with photos)	2
		Layup show no economy	0
		Layup show some economy	1
		Layup show good use of economy	2
		Layup show excellent use of economy	3
Work station neat and tidy	M	Workstation check during day in construction module - .5 deduction for each mistake	1.5
Pressing/presentation	J	Overall pressing and presentation - ON STAND	2
		Over pressed or under pressed in most areas	0
		Few areas over pressed or under pressed	1
		Hardly any areas that are over or under pressed	2
		Excellent pressing , no under pressing or over pressing	3
Hem Construction	J	Hem construction quality	1.5
		Method or quality of hem finish is poor or hem is incomplete	0
		Quality of hem finish is acceptable including method	1
		Quality of hem finish is good including method	2
		Quality of hem finish is excellent including method	3

Collar Construction		Collar Construction Quality	2
		Collar attachment method is not appropriate	0
		Collar attachment method is acceptable	1
		Collar attachment method is good	2
		Collar attachment method is excellent	3
Drape/shape Garment	J	Overall drape and shape of garment on the stand, including fit (not collar) - ON STAND	1.5
		Garment pulls, drags or puckers in few places, garment sits poorly on stand or garment incomplete	0
		An acceptable standard, no significant puckers, drags or pulls & sits fairly well on the stand	1
		A good standard, no significant puckers, drags or pulls & sits quite well on the stand	2
		An excellent standard, no significant puckers, drags or pulls & sits beautifully on the stand	3
Dress construction	J	Dress construction quality	1.5
		Poorly constructed, techniques are incorrect, show low level industry finishes, low quality work and incomplete	0

		Constructed with techniques showing some low level industry finishes	1
		Has been fairly well constructed, techniques show mid-level finishes and quality of work	2
		Has been very well constructed, techniques show high level finishes and quality of work	3
Sleeve finishing	J	Quality of sewing including method – Sleeve finishing	2
		Selected element has been poorly constructed, technique incorrect and show low level finishes and is incomplete	0
		Selected element has been adequately constructed, technique incorrect and show low level finishes and is incomplete	1
		Selected element has been fairly well constructed, technique incorrect and show low level finishes and is incomplete	2
		Selected element has been very well constructed, technique incorrect and show low level finishes and is incomplete	3
Drape and Shape + Neckline + back gathers	J	Drape and shape of the neckline including overall finish - ON STAND	1.5

		Neckline sits poorly on the stand with drags, pulls, poor shape or is incomplete	0
		Neckline sits acceptably on the stand with some drags, pulls and shape is somewhat ok	1
		Neckline sits fairly well on the stand with minor drags and pulls and shape is good	2
		Neckline sits very well on the stand with no drags, pulls and shape is excellent	3
	J	Neckline - construction quality	2
		Neckline is poorly constructed , uses low level techniques, incorrect technique or is incomplete	0
		Neckline is adequately constructed, with low level technique and number of imperfections	1
		Neckline show good construction techniques with only small imperfections	2
		Neckline is very constructed with high level techniques , (graded, clipped, under stiched and secured where required)	3
	J	Style line construction quality	1.5
		Selected element is poorly constructed, techniques are incorrect,	0

		show low level industry finish and is incomplete	
		Selected element is constructed with techniques which show low level industry finish	1
		Selected element is fairly well constructed with techniques which show mid level industry finish	2
		Selected element is constructed with techniques which show high level industry finish	3
Back of Dress	J	Back Construction - ON STAND	1.5
		Back sits poorly on the stand with drags, pulls, poor shape or is incomplete	0
		Back sits acceptably on the stand with some drags, pulls and shape is somewhat ok	1
		Back sits fairly well on the stand with minor drags and pulls and shape is good	2
		Back sits very well on the stand with no drags, pulls and shape is excellent	3
Inseam Pocket	J	Inseam pocket- construction quality	1.5
		Selected element is poorly constructed, techniques are incorrect, show low level industry finish and is incomplete	0

		Selected element is constructed with techniques which show low level industry finish	1
		Selected element is fairly well constructed with techniques which show mid-level industry finish	2
		Selected element is constructed with techniques which show high level industry finish	3
Hem Measurement	M	Hem measurement ok - Yes or NO	1.5
Buttons and placket	M	Buttons function - Yes or No	1
Seams + Junctions + Fusing	M	Garment free of damage and imperfections .5 deduction for each mistake	1
	M	Seams - main - pressing and direction - .25 deduction for each mistake	1
	M	Fusing - .25 deduction for each mistake	1
	M	Junctions - .5 deduction for each mistake	1.5
		Hemming even and uniform- 0.5 deduction for every mistake	1.5
		Buttons attachment- appropriate method applied yes or No	0.5

		Buttons - all secure - 0.25 deduction for every mistake	1
			Total

SAMPLE

Section - D

D. Infrastructure List

- Workshop Installation-Tools & Equipment positioned by Organizers
 - Juki Industrial Machine -1 each for every candidate
 - Three thread overlock- 1 for 5 candidates
 - Industrial Steam Ironing machine- one for 3 candidates
 - Pattern making Table-one for each candidate
 - Adjustable chair/stool – one for each candidate
- Tool Kit-Tool & Equipment allowed to be brought by competitors for competitions

List of material (To be provided by Organisers)

FABRIC:		
Mid weight Cotton fabric	150 cm. wide	4mts
Light weight Lining	150 cms wide	4 mts
Mid weight Calico	150 cm. wide	2mts
Thread in matching colour		5 cones each colour
Microdot Fusing		0.50m
Buttons small - 1 type (18mm)		12 pcs
Fusing tape		2 mts
Paper for constructing paper pattern		3mts paper
A3 Paper for technical drawing and templates		2 each
A4 gateway sheet		2 each

Materials, equipment and tools to be brought by Competitors in their toolboxes

- Tailor's chalk
- Pencils
- Tracing wheel
- Thimble
- Scissors (paper, fabric, electric scissors or rotary cutter)
- Rulers
- Pins
- Stitch ripper
- Hand sewing needles
- Magnetic edge guide
- Weights
- Clock/timer
- A selection of drawing tools (coloured pencils etc)
- Pressing equipment (hams, bias tape maker etc)
- Patternmaking construction tools (calculator, rulers, curves etc)
- Loop turner
- Screwdrivers

Section – E

E. Instructions for candidates

Basic Instructions:

- No Competitor is allowed to bring any kind of equipment, fabric, tape, thread, pattern pieces, books, notes or samples on site. If any of these are found they will be taken away prior to and for the duration of the competition
- Competitors must use **only** the fabric and accessories supplied.
- Competitors must hand in all fabric and accessories left over at the end of each module.
- Photographs of the garments may be taken after Construction Module.
- Safety regulations must be followed at all times.

Section – F

F. Health, Safety, and Environment

1. All accredited participants and supporting volunteers will abide by rules and regulations with regards to Health, Safety, and Environment of the Competition venue.
2. All participants, technicians and supporting staff will wear the required protective Personnel clothing (especially sports shoes and no flowy garments)
3. All participants will assume liability for all risks of injury and damage to property, loss of property, which might be associated with or result from participation in the event. The organizers will not be liable for any damage, however in case of Injury the competitor will immediately inform the immediate organizer for medical attention.
4. long hair should be properly tied up. No use of danglers or hanging chains in the neck.