

**Scheme of Teaching and Examination for
VI Semester DIPLOMA in TEXTILE TECHNOLOGY
(COSTUME DESIGN & GARMENT MAKING)**

THEORY

Sr. No.	SUBJECTS	SUBJECT CODE	TEACHING SCHEME		EXAMINATION - SCHEME					
			Periods per Week	Periods in one Session (Year)	Hours of Exam.	Terminal Exam. (A) Marks	Final Exam. (B) Marks	Total Marks (A+B)	Pass Marks Final Exam.	Pass Marks in the Subject
1.	Professional Studies & Entrepreneurship	00601	06	60	03	20	80	100	26	36
2.	Fashion & Apparel	35602	06	60	03	20	80	100	26	36
3.	Embroidery Technology	35603	04	50	03	20	80	100	26	36
4.	Knitting Technology	35604	04	50	03	20	80	100	26	36
5.	Elective*		06	60	03	20	80	100	26	36
	Computer Aided Garment Design	35605A								
	Fashion Merchandising	35605B								
Total:-			26					500		

PRACTICAL

Sr. No.	SUBJECTS	SUBJECT CODE	TEACHING SCHEME		EXAMINATION – SCHEME					
			Periods per Week	Periods in one Session (Year)	Hours of Exam.	Marks Internal Exam. (A)	Marks External Exam. (B)	Total Marks (A+B)	Pass Marks Final Exam.	Pass Marks in the Subject
6.	Fashion Apparel	35606	06	120	04	10	40	50	16	21
7.	Knitting & embroidery Technology	35607	06	120	04	10	40	50	16	21
Total:-			12					100		

SESSIONAL

Sr. No.	SUBJECTS	SUBJECT CODE	TEACHING SCHEME		EXAMINATION - SCHEME			
			Periods per Week	Periods in One Session (Year)	Marks of Internal Examiner (X)	Marks of External Examiner (Y)	Total Marks (X+Y)	Pass Marks in the Subject
8.	Professional Studies & Entrepreneurship	00607	04	50	20	30	50	25
9.	Project Work & Presentation in Seminar	35608	--		40	60	100	50
Total:-			04				150	

Total Periods per Week	42	Total Marks = 750
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PROFESSIONAL STUDIES & ENTREPRENEURSHIP

Subject Code 00601	Theory			No of Period in one session : 60		
	No. of Periods Per Week			Full Marks	:	100
	L	T	P/S	Annual Exam.	:	80
	06	-	-	Internal Exam.	:	20

Rationale:

The paper has been introduced to achieve dual purpose for the students. Firstly, this course provides the basics of Professional management and secondly it also prepares the student to develop self reliance by becoming an entrepreneur.

This makes them conversant with their duties and responsibility to make them successful in their career building by developing profession expertise.

Objectives:

With the input provided in this paper, the students will be able to :-

- Acquire basic knowledge of management.
- Understand the various area of management such as human resources, marketing, finance and commercial aspect, production & material management etc.
- Understand the benefit of becoming an entrepreneur.
- Handle a project efficiently and independently.
- To avail subsidies / grants / loan etc. from various of agencies.

PART-I: PROFESSIONAL STUDIES

TOPIC:

<u>01 – INTRODUCTION:</u>		[05]
01.01	Professional Ethics: Definition, Objective, Right & Wrong, Duty & Obligation	
01.02	Management: Definition, Function and Objectives.	[05]
01.03	Leadership: Definition, Types – Autocratic, Democratic and Laissez – faire, Functions and Characteristics of Leadership.	[05]
01.04	Motivation : Definition, Types and Importance / Benefits	[05]
01.05	Forms of Business organization: Sole proprietorship, Partnership, Joint Stock company and Co-operative Societies.	[05]
01.06	Supervisor’s/Technician’s role: Concept of supervisory management, career needs, Role of Technicians in an organization.	[05]

PART-II: ENTREPRENEURSHIP

TOPIC:

<u>02 – INTRODUCTION:</u>		
02.01	Entrepreneurship: Concept, Characteristics of a successful entrepreneurship, basic ingredients of entrepreneurship: 1. Finance 2. Technology 3. Sales and Marketing	[10]

- 02.02 Project Report: [10]
 Meaning, Project Identification, Project Selection, Contents of a project Report, Techno-Economic Feasibility Report (TEFR), Market Survey.
- 02.03 Sources of Finance: [05]
 Government, Commercial Banks, Financial institutions:
 SIDBI – Small Industries development Bank of India
 SFC – State Financial Corporations
 IDBI – Industrial Development Bank of India
 IFCI – Industrial Finance Corporation of India
 ICICI – Industrial Credit Investment Corporation of India
- 02.04 Acts : [05]
 Indian factories Act 1948 (Main Provision Only)
 Consumers Protection Act 1986 (Main Provision Only)

03 – PROJECT WORK:

As elaborated in Sessional Paper (00607).

Books Recommended :

1. Essential of Management, Tata McGraw Hill, Publishing Company Ltd., New Delhi. - Herald Koonz & Cyril O' Donnel.
2. Business Organization and Management, S. C. Chand and Company (Pvt.) Ltd., Ram Nagar, New Delhi - M. C. Shukla.
3. Managerial Economics, Sultan Chand & Sons, New Delhi - R. L. Vashney & K. L. Maheshwari
4. Project Appraisal and Follow up, Govind Prakashan, Mumbai. - D. P. Sharda
5. Modern Marketing Management, Progressive Corporation Pvt. Ltd., P51, Mahatma Gandhi Road, Bombay-400 001 - Dr. Rustam S. Davar
6. A hand book for new entrepreneurs (with special reference to science and technology target group) - Entrepreneurship Development Institute of India, 83-A, Swastic Society Navrangpura, Ahmedabad, PIN-380 009.

Reference Books :

1. Leadership in Organisation - Published by I.S.T.E. Mysore
2. Motivation - Published by I.S.T.E. Mysore
3. Motivation - I.I.T. Kanpur - Published by I.S.T.E. Mysore
4. A Hand book on Project Appraisal and follow up, Govind Prakashan, 204, Saraswati Kunj, 90, S. V. Road, Goregoan, Bombay-400 062. - D. P. Sarda
5. Bihar Industrial Policy - Government of Bihar, Department of Industries.
6. Entrepreneurship Guide - Bihar State Financial Corporation, Fraser Road, Patna-800 001.

FASHION AND APPARLE

Subject Code 35602	Theory			No of Period in one session : 60		
	No. of Periods Per Week			Full Marks	:	100
	L	T	P/S	Annual Exam.	:	80
	06	-	-	Internal Exam.	:	20

Rationale:

The concern of this paper is to make the students is in production of readymade clothes, production of clothes in accordance to market value to increase the demand of clothes in market to carry the clothes in the beautiful design of fitness in markets. After being trained two year the student need to practice. The main moto of this paper is to being perfectness as a apprale business man, so those apparel are mostly important.

Objective:

After completion these course a student becomes master in apparel manufacturing. May became a successful business-man.

<u>S.No.</u>	<u>Topics</u>	<u>Periods</u>
01	Introduction.	
Accessories of apparel		
02	Skirt & other dresses according to current fashion	
03	Blouse.	
04	Saris with blouse use only that decorative item which is in fashion.	
05	Dress Ornaments and their uses.	
		Total : (60)

CONTENTS:

PART-I

TOPIC: 01 – INTRODUCTION:

- 01.01 Introduction about the dress ornaments.
- 01.02 Different type of lace, Motiff, Fome, Salma & Sitara work.
- 01.03 Different type of button, Buckles.
- 01.04 Broches-vaclo tape.

PART-II

ACCESSORIES OF APPRALE

TOPIC: 02 – SKIRT & OTHER DRESS ACCORDING TO CURRENT FASHION.

- 02.01 Mini skirt, Short skirt, Classic skirt, Midi skirt, Maxy, Long skirt with proper wearing style.
- 02.02 Current fashionable dress with dress ornaments.

TOPIC: 03 – Decorative blouse.

TOPIC: 04 – SARI WITH BLOUSE: Use only that decorative item which is in fashion.

TOPIC: 05 – DRESS ORNAMENTS AND THEIR USES ON DIFFERENT GARMENTS :

- 05.01 Different type of Decorative items.
- 05.02 Suitability of dress ornaments with seasons.
- 05.03 Co- ordination of dress ornaments & Accessories.

EMBROIDERY TECHNOLOGY

Subject Code 35603	Theory			No of Period in one session : 50		
	No. of Periods Per Week			Full Marks		:
	L	T	P/S	Annual Exam.		:
	04	-	-	Internal Exam.		:
					100	
				80		
				20		

Rationale:

The motto of this paper is to make a student is in production of readymade apparel by decorated embroidery. Embroidery occupies as important place in apparel manufacturing. Its importance perfect in decoration so, students must should be know about:-

- (i) Where embroidery is use?
- (ii) Advantage of embroidery?

Objectives:

- (i) To introduce the students about embroidery.
- (ii) To teach the uses.
- (iii) To activate the students.

S.No.	Topics	Periods
01	Need of embroidery.	
02	Uses of embroidery.	
03	Embroidery related to all fashion elements.	
Total		(50)

Contents:

TOPIC: 01 – NEED OF EMBROIDERY:

- 01.01 To increase beautification.
- 01.02 To hide short lacking.
- 01.03 To show tradition.
- 01.04 To show different culture.

TOPIC: 02 – USES OF EMBROIDERY:

- 02.01 Uses of children apparel.
- 02.02 Uses of salwar-suit.
- 02.03 Uses of nighty and night-suit.
- 02.04 Uses of sari.
- 02.05 Uses of kurta.
- 02.06 Uses of monogram.
- 02.07 Uses of fashion accessories.
- 02.08 Effect on human personality, Horizontal line embroidery, Vertical line embroidery, Diagonal line embroidery.

TOPIC: 03 – EMBROIDERY RELATED TO ALL FASHION ELEMENTS :

- 03.01 Application of machine embroidery.
- 03.02 Embroidery related to all fashion elements.

KNITTING TECHNOLOGY

Subject Code 35604	Theory			No of Period in one session : 50		
	No. of Periods Per Week			Full Marks		
	L	T	P/S	Annual Exam.	:	100
	04	-	-	Internal Exam.	:	80
					20	

Rationale:

Knitting is a major part of costume. Hoisery Garments can not be imagined without knitting. This subject gives about the art of knitting also with the right selection procedure of wool, thread and other knitting accessories.

Objectives:

After completion of the course, a student will be able to:

- Understand the Art of knitting on Machine.
- Develop knowledge and skill to knit cotton and woolen threads.

S.No.	Topics	Periods
01	Machine Knitting.	
02	Use of Machines, wool.	
03	Designs of Machine Knitting.	
04	Adjustment of garment according to pattern.	

Total : (50)

Contents:

TOPIC: 01 – MACHINE KNITTING:

- 01.01 Abbreviation and symbols used in knitting.
- 01.02 Measurement techniques of Machine Knitting.

TOPIC: 02 – USE OF MACHINES:

- 02.01 Introduction of knitting machine & their different parts.
- 02.02 Use of Machines.
- 02.03 Precautions & Remedies of knitting.

TOPIC: 03 – DESIGNS OF MACHINE KNITTING:

- 03.01 Designs.
- 03.02 Suitability of Designs according to different garments.
- 03.03 Preparation of Design for knitting.

TOPIC: 04 – ADJUSTMENT OF GARMENT ACCORDING TO PATTERN:

- 04.01 Layout of the garment.
- 04.02 Adjustment of garment according to the layout or paper pattern.

COMPUTER AIDED GARMENT DESIGN

Subject Code 35605 A	Theory			No of Period in one session : 60		
	No. of Periods Per Week			Full Marks	:	100
	L	T	P/S	Annual Exam.	:	80
	06	-	-	Internal Exam.	:	20

Rationale:

The computer is increasingly being used in the garment industry for pattern designing, pattern making and conceptual designs of new costume. It is also being used for variety of their purposes like inventory keeping pattern-matching etc. Numerically control machines and dedicated computers are also being used for embroidering, knitting, pattern stitching etc. Student going through a course in Costume Design and Garment making must be exposed to computer handling and do some simpler jobs depending on their aptitude. They may develop more skills and acquire additional knowledge.

Objectives:

After going through this course, a student will be able to:

- Handling computer independently.
- Make simpler pattern with the help of computer.
- Do necessary colour matching.
- Use computer graphic library for variety of purposes.
- To design motives for applique work.
- Prepare master drawing for screen printing work.

S.No.	Topics	Periods
01	Identification Test for Computer.	
02	The Consumer & Textile Market.	
03	Selection of Methods.	
04	Pattern Making and Co-ordination.	

Contents:

TOPIC: 01 – IDENTIFICATION TEST FOR COMPUTER:

- 01.01 Cotton.
- 01.02 Linen.
- 01.03 Rayon.
- 01.04 Wool.
- 01.05 Silk.
- 01.06 Nylon.
- 01.07 Other Synthetic or man made fabrics.

TOPIC: 02 – THE CONSUMER & TEXTILE MARKET:

- 02.01 Seal.
- 02.02 Label of Certificate.
- 02.03 Cost.
- 02.04 Cloth Selection through computer.

TOPIC: 03 – SELECTION OF METHODS:

- 03.01 Knitting.
- 03.02 Cutting and tailoring.
- 03.03 Embroidery.

TOPIC: 04 – PATTERN MAKING AND CO-ORDINATION:

- 4.01 **Children's:** The Customer according to current fashion.
- 4.02 **Women's:** The Customer according to current fashion.
- 4.03 **Men's:** The Customer according to current fashion.

Reference Books:

- | | | |
|--|--------------------------------|-----------------|
| 1. Learning with Computers | Bhattacharji | A.H. Wheelors |
| 2. Advance Techniques in d BASE | Alan Simpson | |
| 3. Principles of Computer Aided Design | Booney, Jon Phillip
Steadma | East West Press |
| 4. Principles of Text Processing | Toskey | |

FASHION MERCHANDISING

Subject Code 35605 B	Theory			No of Period in one session : 60		
	No. of Periods Per Week			Full Marks	:	100
	L	T	P/S	Annual Exam.	:	80
	06	-	-	Internal Exam.	:	20

Rationale:

In these days fashion has changed into business. Under the study of fashion technology in two year the students gain knowledge about different area of fashion. The object of this paper is how to accept fashion as a business? How to be a successful business man by the fashion business?

Objectives:

- (i) To accept the fashion as a business.
- (ii) To show the benefits of the fashion business.
- (iii) To gave the knowledge to the student about design, production & apparele manufacturing.

S.No.	Topics	Periods
01	Fashion in Market	
02	Introduction to fundamental of production, student to interface between design, production and the apparel business.	
03	Some designs are global issues.	
Total :		(60)

Contents:

TOPIC: 01 – FASHION IN MARKET:

- 01.01 Marketing aspects of fashion.
- 01.02 Role of fashion designer, cutter, tailor, advertiser, exporter, painter, fashion consultant, fashion coordinator, stylist in Market.
- 01.03 Fashion marks and brand.
- 01.04 Advantage of fashion as a business.

TOPIC: 02 – PRODUCTION POLICIES OF FASHIONABLE DRESSES:

- 02.01 Selection of dress material according to demand.
- 02.02 Selection of dress ornaments.
- 02.03 Wages policies.

TOPIC: 03 –PRICING POLICIES OF FASHIONABLE DRESSES.

TOPIC: 04 – ROLE OF ADVERTISMENT IN FASHION:

- 04.01 Introduction.
- 04.02 Type of Advertisement.
- 04.03 Fashions show its utility & justification.

TOPIC: 05 - Export & Import policies of India.

TOPIC: 06 - Taxation and Trading policies of Textile under Ministry of Textiles.

FASHION AND APPARLE

Subject Code 35606	Practical			No of Period in one session : 120		
	No. of Periods Per Week			Full Marks	:	50
	L	T	P/S	Annual Exam.	:	40
	-	-	06	Internal Exam.	:	10

Rationale:

The concern of this paper is to make the students is in production of readymade clothes, production of clothes in accordance to market value to increase the demand of clothes in market to carry the clothes in the beautiful design of fitness in markets. After being trained two year the student need to practice. The main moto of this paper is to being perfectness as a apparel business man, so those apparel are mostly important.

Objective:

1. Prepare at least five dresses of an adult woman according to current fashion with suitable dress ornaments.
2. Prepare a decorative blouse & Sari with current fashionable decorative items.

KNITTING & EMBROIDERY TECHNOLOGY

Subject Code 35607	Practical			No of Period in one session : 120		
	No. of Periods Per Week			Full Marks	:	50
	L	T	P/S	Annual Exam.	:	40
	-	-	06	Internal Exam.	:	10

CONTENTS:

Knitting Technology

01. Knitt a Cardigon with the help of knitting machine.
02. Knitt a baba suit with the help of knitting machine.
03. Prepare five pattern sample of machine knitting.
04. Knitt a pullover with the help of knitting machine.
05. Knitt a Kurta-Paijama with shoes help of knitting machine.

Embroidery Technology (with machine)

1. Make the following :-
 - (i) Salwar Suit.
 - (ii) Jeans Top.
2. Make these stiches upon the items mention above:
 - (i) Kali-bali stich
 - (ii) Running stich
 - (iii) Kashmiri stich
 - (iv) Long and short stich
 - (v) Bobin stich.
 - (vi) cut-work.
 - (vii) Aplique.
 - (viii) Satin stich.
3. Prepare a Pullover with Machine knitting.
4. Prepare a ladies blouse with Machine knitting.

PROFESSIONAL STUDIES & ENTREPRENEURSHIP

Subject Code 00607	Sessional			No of Period in one session : 50		
	No. of Periods Per Week			Full Marks	:	50
	L	T	P/S	Annual Exam.	:	30
	-	-	04	Internal Exam.	:	20

Rationale:

The paper has been introduced to achieve dual purpose for the students.

Firstly, this course provides the basics of Professional management and secondly it also prepares the student to undertake independent venture by becoming an entrepreneur.

This makes them conversant with their duties and responsibility to make them successful in their career building.

Objectives:

With the input provided in this paper, the students will be able to :-

- Acquire basic knowledge of management.
- Understand the area of management such as human resources, marketing, finance and commercial aspect.
- Understand the benefit of becoming an entrepreneur.
- Handle a project efficiently and in dependently.

To prepare a Project Report on any of the followings:

<u>S.No.</u>	<u>Topics</u>
01	Project Identification and formulation Report.
02	Project Profile/Pre-feasibility Report.
03	Techno-economical Feasibility Report (TEFR).
04	Market Survey Report.

CONTENTS

<u>S.NO.</u>	<u>TOPICS</u>
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TOPIC – 01 : PROJECT IDENTIFICATION AND FORMULATION REPORT:

- ◆ Introduction.
- ◆ Collection of Data.
- ◆ Compilation of Data.
- ◆ Analysis and Assimilation of Data.
- ◆ Product Selection.
- ◆ Report Finalisation and Report Writing.

TOPIC - 02 : PROJECT PROFILE/PRE-FEASIBILITY REPORT :

- ◆ Introduction of the product.
- ◆ Market.
- ◆ Man Power (Personnel Required).
- ◆ Manufacturing Process.
- ◆ Plant and Machinery.
- ◆ Cost of Project.
- ◆ Means of Finance.

- ◆ Cost of Production.
- ◆ Annual Turnover.
- ◆ Profit.
- ◆ Profit on Investment.

TOPIC – 03: TECHNO-ECONOMICAL FEASIBILITY REPORT (TEFR).

- ◆ Introduction on product.
- ◆ Market Prospects and Marketing.
- ◆ Location.
- ◆ Manufacturing Programme and Annual Turnover.
- ◆ Manufacturing Process.
- ◆ Cost of Project.
- ◆ Means of Finance.
- ◆ Requirement of Raw materials, Consumables, Utilities and Working Capital.
- ◆ Organisational Structure, Management and Man Power.
- ◆ Project Implementation Schedule.
- ◆ Profitability and Cash Flow.

TOPIC - 04 : MARKET SURVEY REPORT:

- ◆ Data Collection & Processing through Primary & Secondary Sources- Questionnaire method, e-mail, by post, by phone.
- ◆ Present Status.
- ◆ Growth of the Industry.
- ◆ Import and Export.
- ◆ Present market Demand.
- ◆ Forecast.
- ◆ Future Prospect/Scope.
- ◆ Market Segmentation.

Books Recommended:

- | | | | |
|----|--|---|---|
| 1. | Essential of Management, Tata McGraw Hill, Publishing Company Ltd., New Delhi. | - | Herald Koonz & Cyril O' Donnel. |
| 2. | Business Organisation and Management, S. C. Chand and Company (Pvt.) Ltd., Ram Nagar, New Delhi | - | M. C. Shukla |
| 3. | Managerial Economics, Sultan Chand & Sons, New Delhi | - | R. L. Vashney & K. L. Maheshwari |
| 4. | Project Appraisal and Follow up, Govind Prakashan, Mumbai. | - | D. P. Sharda |
| 5. | Modern Marketing Management, Progressive Corporation Pvt. Ltd., P51, Mahatma Gandhi Road, Bombay-400 001 | - | Dr. Rustam S. Davar |
| 6. | A hand book for new entrepreneurs (with special reference to science and technology target group) | - | Entrepreneurship Development Institute of India, 83-A, Swastic Society Navrangpura, Ahmedabad, PIN-380 009. |
| 7. | Student discipline | - | Published by I.S.T.E. Mysore |

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| 8. Communication Skill | - Published by I.S.T.E. Mysore |
| 9. Decision Making | - Published by I.S.T.E. Mysore |
| 10. Pollution Control in Industry | - Published by I.S.T.E. Mysore |
| 11. S.S.M. in Environmental Engineering | - Published by I.S.T.E. Mysore |
| 12. Leadership in Organisation | - Published by I.S.T.E. Mysore |
| 13. Small Enterprise Management | - Published by I.S.T.E. Mysore |
| 14. Motivation | - Published by I.S.T.E. Mysore |
| 15. Fundamentals of Environmental Pollution | - Krishnan and Kannan |
| 16. Environmental Engineering, T.T.T.I., Madras | - Tata Mcgraw Hill |
| 17. Motivation I.I.T. Kanpur | - Published by I.S.T.E. Mysore |
| 18. Mine Management | - V.N. Singh, Bangle Prining Press Ranchi |
| 19. Hand book on Project Appraisal and follow up, Govind Prakashan, 204, Saraswati Kunj, 90, S. V. Road, Goregoan, Bombay-400 062. | - D. P. Sarda |
| 20. Bihar Industrial Policy | - Government of Bihar, Department of Industries. |
| 21. Entrepreneurship Guide | - Bihar State Financial Corporation, Fraser Road, Patna-800 001. |
| 22. Management Economics, S. Chand & Sons, 4792/23, Dariaganj, New Delhi-110 002. | - R. L. Varshney & G. L. Maheshwari |
| 23. Management Principles & Practices, S. Chand & Sons, 4792/23, Dariaganj, New Delhi-110002. | - L. Prasad & S. S. Gulshan |

PROJECT WORK & ITS PRESENTATION IN SEMINAR

Subject Code 35608	Sessional			No of Period in one session :		
	No. of Periods Per Week			Full Marks	:	100
	L	T	P/S	Annual Exam.	:	60
	-	-	-	Internal Exam.	:	40

Rationale:

It is universal truth that without Project Work & Seminars/ Fashion Shows self personality development is not possible. So, the aim of project Work and Seminar is to make the student a bold personality and generate self activities.

Objectives:

01. To gain a practical knowledge face to face
02. To face the problems and
03. To achieve in front remedies from seminar experience.

CONTENTS:

GROUP – A: PROJECT WORK

TOPIC: 01 – LIVE PROBLEMS FROM INDUSTRIES OBSERVED DURING IN PLANT TRAINING:

- 01.01 Selection of problem
- 01.02 Situation of problem
- 01.03 Analysis of problem
- 01.04 Analysis of situation
- 01.05 Identification of probating remedial means
- 01.06 Selection of best remedial measures
- 01.07 Sustainers for the problems to recurs
- 01.08 Preparation of report and
- 01.09 Presentation in Seminar

The Report is to be presented and evaluated in the form of Seminar.

GROUP – B: SEMINAR

One Project out of the following:

1. On Market Research/ Survey
2. Comparative Study of Product/ Processes
3. Trends in Fashion/garment design
4. Live Industrial Problems and their problem solution(s)
5. Design and manufacture a garment and present in a form of fashion show.

Suggestive topics:

1. Manual Power in production
2. Role of Women Entrepreneurship in Business
3. Impact of Window display on sales promotion
4. Motivation in an organization
5. Payment of wages – ways and importance
6. Layout of a garment factory