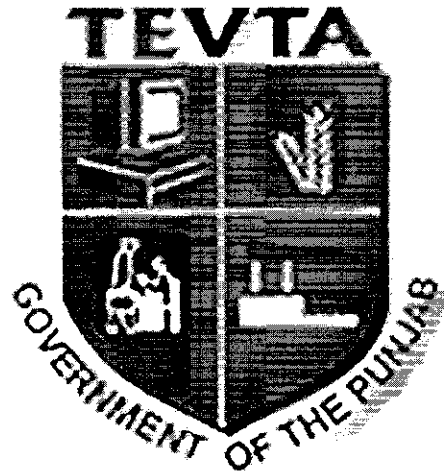


GOVERNMENT OF THE PUNJAB  
**TECHNICAL EDUCATION & VOCATIONAL  
TRAINING AUTHORITY**



CURRICULUM FOR  
**CARPET WEAVING**  
**(3 – Months Course)**

Evaluated November, 2015

CURRICULUM SECTION  
**ACADEMICS DEPARTMENT**

96-H, GULBERG-II, LAHORE

Ph # 042-99263055-9, 99263064

[gm.acad@tevta.gop.pk](mailto:gm.acad@tevta.gop.pk), [manager.cur@tevta.gop.pk](mailto:manager.cur@tevta.gop.pk)

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**TRAINING OBJECTIVES:**

The training program is meant to meet the need of the job market. It is labor intensive and export oriented, doesn't involve any complicated machinery as the industry is mainly based in rural areas. Therefore, such trainings / short courses will reduce unemployment and poverty in the society.

**CURRICULUM SALIENTS:**

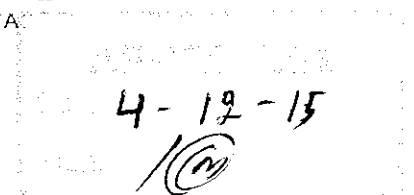
Entry Level:	Primary
Total duration of course:	3-Months
Total Training Hours:	400 hours
Weekly Hours:	40 hours per week
Training Methodology:	Practical 80%
	Theory 20%
Medium of instruction:	Urdu / English

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**SKILL COMPETENCY DETAILS:**

On successful completion of this course, the trainee would be able to:

- Apply the process of warp mounting.
- Demonstrate the quality process of warping.
- Produce / weave the carpet efficiently.
- Read and use Talam.
- Relate with different patterns of carpet design and differentiate between them.
- Manipulate whole carpet manufacturing process.



**KNOWLEDGE PROFICIENCY DETAILS:**

On successful completion of this course, the trainee would be able to:

- Understand Talam reading.
- Know the process of warping.
- Recognize to ensure quality.
- Understand the process of carpet weaving.
- Identify and mend/repair small carpet defects.
- Familiarize with carpet weaving diversification.

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**CURRICULUM DELIVERY STRUCTURE**

Area	Curriculum Delivery	Revision	Final Test	Total
W E E K	1 – 10	11	12	12
	10	1	1	12

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**SCHEME OF STUDIES****Carpet Weaving  
(3 - Months Course)**

<b>Sr. No</b>	<b>Main Topics</b>	<b>Theory Hrs.</b>	<b>Practical Hrs.</b>	<b>Total Hrs.</b>
1	Introduction to Carpet	10	60	70
2	Introduction to Fibers Used in Carpet Manufacturing	10	80	90
3	Requirement of Fiber Parameters	10	20	30
4	Carpet Manufacturing Process	30	80	110
5	Carpet Manufacturing Structures	20	68	88
6	Work Ethics	-	12	12
<b>Total</b>		<b>80</b>	<b>320</b>	<b>400</b>

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**DETAIL OF COURSE CONTENTS****Carpet Weaving  
(3 – Months Course)**

<b>Sr. No.</b>	<b>Detail of Topic</b>	<b>Theory Hrs</b>	<b>Practical Hrs</b>
1.	<b>Introduction to Carpet</b> 1.1 History 1.2 Types of Carpets 1.3 Introduction to Carpet Manufacturing Industry	10	60
2.	<b>Introduction to Fibers Used in Carpet Manufacturing</b> 2.1 Natural Fibers 2.2 Synthetic Fibers	10	80
3.	<b>Requirement of Fiber Parameters</b> 3.1 Fiber Length 3.2 Fiber Diameter 3.3 Fiber Fineness	10	20
4.	<b>Carpet Manufacturing Process</b> 4.1 Warping 4.2 Warp Mounting 4.3 Quality Setting 4.4 Healding 4.5 Talam Reading (Carpet/Rug Language) 4.6 Carpet Weaving	30	80
5.	<b>Carpet Manufacturing Structures</b> 5.1 Axminster Weave 5.2 Velvet weave 5.3 Wilton Weave	20	68
6.	<b>Work Ethics</b>	-	12
<b>Total</b>		<b>80</b>	<b>320</b>

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## LIST OF PRACTICALS

### Carpet Weaving (3 – Months Course)

1. Carpet loom demonstration.
2. Structural formation of different types of carpets.
3. Physical acknowledgement of carpet materials.
4. Contemporary physical comparison of natural and synthetic fibers.
5. Performing knotting procedure for carpet manufacturing.
6. Making different carpet structures by using basic weaving skills.
7. Manufacturing a carpet by following the complete carpet weaving procedure.
8. Comparative study of handmade carpets and machine made carpets by using samples and swatches.

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**LIST OF LABS.**

- Weaving Laboratory with under mentioned requirements.

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**LIST OF MACHINERY/EQUIPMENT, TOOLS, FURNITURE,  
ACCESSORIES ETC.**

**Carpet Weaving  
(3 - Months Course)**

**For a class of 25 Students**

<b>Name of Trade</b>	<b>Carpet Weaving</b>
Duration of Course	03-Months

<b>Sr. No.</b>	<b>Nomenclature of Machinery / Equipment, Tools, Furniture, Accessories etc.</b>	<b>Quantity (Nos.)</b>
1.	Carpet looms along with benches	25
2.	Knives	50
3.	Punjias	25
4.	Scissors	25
5.	Iron Rods	30

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**LIST OF CONSUMABLE ITEMS**

For a class of 25 Students

<b>Name of Trade</b>	<b>Carpet Weaving</b>
<b>Duration of Course</b>	<b>03-Months</b>

<b>Sr. No.</b>	<b>Nomenclature of Consumable Items</b>	<b>Quantity (Nos.)</b>
1.	Raw Material (Woolen Yarn)	360 kg
2.	Cotton Yarn (Warp & Weft)	90 kg

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**MINIMUM QUALIFICATION OF TEACHER**

B.Sc. Textile Engineering with 3 Years' Experience in Carpet Manufacturing

OR

Diploma in Carpet Weaving from Recognized Institute with 5 Years' Experience  
in Carpet Manufacturing and Designing

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## REFERENCE BOOKS

- Carpet Manufacture by G.H. Craw Shaw.
- Advances in Carpet Manufacturing by K.K. Goswami Publisher: Wood head Publishing Ltd., 2009.

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### **EMPLOYABILITY OF PASS-OUTS**

The pass outs of this course may find job / employment opportunities in the following areas / sectors:

- Private sector as skilled weavers
- Carpet Manufacturing Institutes like Punjab Small Industries Corporation
- Self-employment

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**CURRICULUM EVALUATION COMMITTEE**

<b>Mr. Kanwar Ali Haider</b> Assistant Professor, Department of Textile & Design, University of Management & Technology, Lahore.	<b>Convener</b>
<b>Muhammad Bilal</b> Assistant Professor, Department of Yarn Manufacturing, Faculty of Engineering & Technology, National Textile University, Faisalabad.	<b>Member</b>
<b>Mr. Attique ur Rehman</b> Weaving Manager, Indus Home Textile Mills, Lahore.	<b>Member</b>