

## Footwear Design & Production course – PCP (Theory & Practical) Training Schedule

<b>Total course duration (320hrs)</b>	
<b>PCP (128hrs)</b>	<b>Self-learning (192hrs)</b>
<b>Practical (84hrs)</b>	<b>Theory (44hrs)</b>

Week	Schedule		PCP- Topic				Learning outcomes
	Topic	Day	Duration (Hr)	Theory	Duration (Hr)	Practical	
Week 1	Functions and History of Footwear	DAY 1	2 hrs	<ul style="list-style-type: none"> <li>• Introduction to footwear and its function</li> <li>• History of footwear</li> <li>• Basic type of Footwear</li> </ul>	3 hrs	<ul style="list-style-type: none"> <li>• Demonstration of different type of footwear, fashion and history by Audio- Video visuals presentation</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>• Identify different type of footwear</li> <li>• Understand different functions of footwear</li> </ul>
		DAY 2	2 hrs	<ul style="list-style-type: none"> <li>• Parts and function of the shoe</li> <li>• Tools and equipment used in footwear</li> <li>• Material, accessories and grinders used in footwear</li> </ul>	3hrs	<ul style="list-style-type: none"> <li>• Demonstration different parts and function of shoe</li> <li>• Demonstration of different equipment and identification of material</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>• Identify different parts of shoe and understand the functions of footwear</li> <li>• Identify different material used in footwear</li> <li>• Understand different tools and equipment used in manufacturing footwear</li> </ul>

Week 2	Shoe sketching and foot anatomy	DAY 1	2 hrs	<ul style="list-style-type: none"> <li>Theory on shoe sketching</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Practice of different shoe style like derby, oxford, boot sandal etc.</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>understand different type of shoe style and its variation</li> </ul>
		DAY 2	2 hrs	<ul style="list-style-type: none"> <li>Foot anatomy and disease related to foot</li> <li>Foot abnormalities</li> </ul>	4hrs	<ul style="list-style-type: none"> <li>Showing different part of foot and disease related to foot</li> <li>Audio- video presentation</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Understand of human foot and its structure</li> <li>Know about different disease of foot due to life style and wearing wrong footwear</li> </ul>
Week 3	Foot Measurement and Shoe last	DAY 1	3 hrs	<ul style="list-style-type: none"> <li>Foot measurement</li> <li>Measurement devices</li> <li>Shoe Last and foot</li> </ul>	3 hrs	<ul style="list-style-type: none"> <li>Demonstration and measuring of foot</li> <li>Use of measurement devices</li> <li>Last and foot measurement</li> <li>Different type of last Audio video presentation</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Understand different type of foot and their measurement</li> <li>Understand different type of last for different style of footwear</li> </ul>
		DAY 2			6hrs	<ul style="list-style-type: none"> <li>Demonstration and working practically of different type of lasts</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Understand shoe lasts</li> </ul>
Week 4	Shoe Sizing system and Shoe Fittings	DAY 1	3hrs	<ul style="list-style-type: none"> <li>Shoe Sizing system</li> <li>Conversion between different shoe sizing</li> </ul>	3 hrs	<ul style="list-style-type: none"> <li>Shoe sizing system</li> <li>Measurement of last as per different sizing system like English, French, American and Japanese</li> <li>Conversion of sizing system</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Know about shoe sizing system</li> <li>Know about the different type of shoe sizing system</li> <li>convert from one size to another size</li> </ul>

		DAY 2	2hrs	<ul style="list-style-type: none"> <li>Girth measurement</li> <li>Fitting of shoes</li> </ul>	4hrs	<ul style="list-style-type: none"> <li>Measurement of shoe and last</li> <li>Measurement of different fitting according to the last and foot as per different style and design</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>Know about different measurements required in the last and foot as per style and design</li> </ul>
Week 5	Design development standard making and pattern cutting	Day 1	1 hrs	<ul style="list-style-type: none"> <li>Shoe designing</li> <li>Standard and mean forme making</li> </ul>	5 hrs	<ul style="list-style-type: none"> <li>Practice of last masking</li> <li>Practice of mean forme making</li> <li>Standard making of different shoe style</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>mask the last</li> <li>Know about the pattern making process</li> </ul>
		Day 2			6hrs	<ul style="list-style-type: none"> <li>Pattern cutting of shoe upper component</li> <li>Pattern making of shoe bottom component</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>Know about the pattern cutting of different style of upper and bottom component</li> </ul>
Week 6	Footwear Production process	Day 1	2 hrs	<ul style="list-style-type: none"> <li>Upper cutting process</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Layout process</li> <li>Line of tightness and line of stretchiness</li> <li>Hide structure</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>Know about the quality structure of leather hide</li> <li>identify the different parts of leather</li> </ul>
		Day 2	2 hrs	<ul style="list-style-type: none"> <li>Upper preparation process</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Material skiving process</li> <li>Edge treatment of material</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>Know about the material skiving</li> </ul>

						<ul style="list-style-type: none"> <li>Practice of binding making</li> </ul>	process and different binding used in footwear
Week 7		Day 1	2 hrs	<ul style="list-style-type: none"> <li>Upper stitching process</li> <li>Threads</li> <li>Needle point</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Different sewing machine used in footwear making</li> <li>Thread and needle point</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Know about the different part and function of the machine</li> <li>identify the requirement of thread and needle point according to the material</li> </ul>
		Day 2	2hrs	<ul style="list-style-type: none"> <li>Shoe making and lasting</li> <li>Shoe construction</li> </ul>	3hrs	<ul style="list-style-type: none"> <li>Practice of drafting and shoe lasting</li> <li>Practice of different shoe construction like cemented construction, stitched construction and molded construction</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Know about the shoe drafting and lasting process</li> <li>identify the different type of footwear construction</li> </ul>
Week 8		Day 1	2 hrs	<ul style="list-style-type: none"> <li>Shoe finishing process</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Material identification</li> <li>Finishing cream identification and application</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Identify the material and finishing cream and application of cream on material as per requirement</li> </ul>
		Day 2	2 hrs	<ul style="list-style-type: none"> <li>Final Inspection and shoe packaging</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Packaging tools</li> <li>Labeling and dispatch material</li> <li>Complete shoe storage</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Identify the packaging and labeling procedure and know about the shoe storage process</li> </ul>

Week 9	Shoe pattern grading, scaling and costing	Day 1	2 hrs	<ul style="list-style-type: none"> <li>• Pattern grading process</li> <li>• Pattern grading tools</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>• Practice of pattern grading process</li> <li>• Making of pattern grading tools</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>• Know about the pattern grading process and tools making</li> </ul>
		Day 2	2hrs	<ul style="list-style-type: none"> <li>• Pattern scaling and area calculation</li> <li>• Method and preparation</li> <li>• Different costing method</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>• Practice of pattern scaling and area calculation</li> <li>• Practice of shoe costing according to the different costing method</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>• Know about the pattern scaling and area calculation</li> <li>• do the costing of full shoe</li> </ul>
Week 10	Management and control	Day 1	2 hrs	<ul style="list-style-type: none"> <li>• Documentation</li> </ul>	4hrs	<ul style="list-style-type: none"> <li>• Practice of making documentation like specification sheet, sample request form and production control chart.</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>• Know about the different document required for footwear production</li> </ul>
		Day 2	2 hrs	<ul style="list-style-type: none"> <li>• Quality measures and check point</li> <li>• Last calculation</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>• Practice of quality control and defect identification</li> <li>• Last calculation as per the production</li> </ul>	<p>Learner would be able to</p> <ul style="list-style-type: none"> <li>• Know about the quality control procedure</li> <li>• calculate the last rotation as per the production requirement</li> </ul>

WEEK K 11	Entrepreneurship	Day 1	2 hrs	<ul style="list-style-type: none"> <li>Setting procedure of New unit</li> </ul>	4 hrs	<ul style="list-style-type: none"> <li>Project layout for setting of new unit</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Know about the government rules and regulation for setting of new unit</li> </ul>
		Day 2	2hrs	<ul style="list-style-type: none"> <li>Knowledge of machine and equipment for new unit</li> </ul>	4hrs	<ul style="list-style-type: none"> <li>Calculation of machine as per the project requirement</li> </ul>	Learner would be able to <ul style="list-style-type: none"> <li>Know about the plant and machinery required for new unit</li> </ul>
Week 12	First aid and safety measures	Day 1	3 hrs	<ul style="list-style-type: none"> <li>First aid</li> <li>Safety measures and precaution</li> </ul>			Learner would be able to <ul style="list-style-type: none"> <li>Know about the first aid and safety precaution</li> </ul>