



## Vocational Training

Project Objective

Project Overview

Unique Features of the Training

Project Data Sheet

Selected Trades &amp; Training Center

Syllabus &amp; Course Contents

Placement Status

Case Studies

TSP Enlistment

Photo Gallery

FAQ

## News and Events

Intake Notice: IT Scholarship Project (Round-41) আবেদনের শেষ তারিখ: ২৬ ফেব্রুয়ারি ২০১৯ ক্লাস শুরুর তারিখ: ১৮ মার্চ ২০১৯ Apply Now ... [Read more](#)

## IT Scholarship Project (Round-41)



## Machinist Trade



## IDB-BISEW Vocational Training Project

Syllabus For  
Machinist Trade

Week	Theory Practical	1 <sup>st</sup> Day	2 <sup>nd</sup> Day	3 <sup>rd</sup> Day	4 <sup>th</sup> Day	5 <sup>th</sup> Day	6 <sup>th</sup> Day
1	Theory	Safety rules & precautions. Machine Shop Safety precautions.	Knowledge about Hand Tools	Knowledge about File			
	Practical	Identification and Apply of hand tools	Identification of measuring tools	Use of File, Rectangle Work piece Filling	Rectangle Work piece Filling and 90° Checking	Use of File smooth file	V Grooving 60°
2	Theory			Knowledge about Measuring Tools	Knowledge about Hack Saw		Knowledge about Sheet Metal
	Practical	V Grooving 90°	Half Round Grooving	Use of Steel Rule and measuring	Use of Hack saw and Sawing practice	Sawing practice	Fabrication Work Marking of Sheet Metal & Cutting
3	Theory	Knowledge about Steel Rule Measurement	Knowledge about Steel Rule Measurement			Knowledge about Vernier Caliper	Knowledge about Vernier Caliper
	Practical	Key Locket making with M S Sheet	Joint making with M S Sheet	Angle Bar making with M S Sheet	Angle Bar making with M S Sheet	Use of Vernier Caliper and measuring	Cross Peen Hammer making
4	Theory	Knowledge about Vernier Caliper					Knowledge about Threading Tools Die
	Practical	Cross Peen Hammer making	Cross Peen Hammer making	Cross Peen Hammer making	Cross Peen Hammer making	Cross Peen Hammer making	Threading with Die
5	Theory		Knowledge about Drill Bit	Knowledge about Tape Drill Size	Knowledge about Drilling & Hexagonal		
	Practical	Threading with Die	Threading with Taps	Threading with Taps	Hexagonal Nut and Bolt making	Hexagonal Nut and Bolt making	Hexagonal Nut and Bolt making
6	Theory			Knowledge about Cutting speed	Knowledge about RPM of Drill Machine	Knowledge about different size of Taps	Knowledge about Letter Punch & Number Punch
	Practical	Preparation of Drill Plate	Preparation of Drill Plate	Drill Plate marking and Cutting speed	RPM Setting and Drilling	Counter Shank and Tapping	Use of Letter Punch, Number Punch & Finishing
7	Theory	Knowledge about Tolerance		Knowledge about Grinding Machine		Knowledge about Grinding Machine	
	Practical	Square Fitting	Square Fitting	Grinding of Knife-edge Tool	Grinding of Knife-edge Tool	Grinding of Threading Tool	Grinding of Threading Tool
8	Theory	Knowledge about Grinding Machine		Knowledge about Grinding Machine		Knowledge about Grinding Machine	
	Practical	Grinding of Parting Tool	Grinding of Parting Tool	Grinding of Boring Tool	Grinding of Boring Tool	Grinding of Drill Bit	Grinding of Drill Bit
	Theory	Knowledge about Different Types of	Knowledge about Different Types of	Knowledge about Working	Knowledge about Working	Knowledge about Lathe	Knowledge about Lathe



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## ভোকেশনাল ট্রেনিং (রাউন্ড-২১)



**অনলাইনে আবেদন করুন**



		Machine	Machine	Drawing	Drawing	Machine	Machine
9	Practical	Common Instruction on Lathe, Shaper, Power Saw & Milling Machine	Common Instruction on Lathe, Shaper, Power Saw & Milling Machine	Common Instruction on Working Drawing	Straight pin making with Lathe Machine	Straight pin making with Lathe Machine	Hinge making with Lathe Machine
	Theory	Knowledge about Assemble Job	Knowledge about Assemble Job	Knowledge about Knurling	Knowledge about Knurling		Knowledge about Different Types of Taper
10	Practical	Hinge making with Lathe Machine	Hinge making with Lathe Machine	Center Punch making with Lathe Machine	Center Punch making with Lathe Machine	Center Punch making with Lathe Machine	Taper turning with Lathe Machine Swivel base Angle
	Theory	Knowledge about Different Types of Taper	Knowledge about Different Types of Taper	Knowledge about Step			Knowledge about Taper Shank Drill Bit
11	Practical	Taper turning with Lathe Machine Swivel base Angle	Taper turning with Lathe Machine Swivel base Angle	Solder turning with Lathe Machine	Solder turning with Lathe Machine	Solder turning with Lathe Machine	Bush making with Lathe (Drilling Process)
	Theory	Knowledge about Taper Shank Drill Bit	Knowledge about Taper Shank Drill Bit	Knowledge about Four Jaw Chuck	Knowledge about Multi center Job		Knowledge about Different Types of Thread
12	Practical	Bush making with Lathe (Drilling Process)	Bush making with Lathe (Drilling Process)	Eccentric turning with Lathe Machine	Eccentric turning with Lathe Machine	Eccentric turning with Lathe Machine	Thread Cutting with Lathe Machine Bolt Making Matric
	Theory	Knowledge about Depth Calculation of Metric Thread		Knowledge about Depth Calculation of British Thread			Knowledge about Shaper Machine
13	Practical	Thread Cutting with Lathe Machine Bolt Making Matric	Thread Cutting with Lathe Machine Bolt Making Matric	Thread Cutting with Lathe Machine Bolt Making British	Thread Cutting with Lathe Machine Bolt Making British	Thread Cutting with Lathe Machine Bolt Making British	Plain Surface Shaping
	Theory	Knowledge about Different operation of Shaper Machine		Knowledge about Different operation Shaper Machine			Knowledge about Different operation Shaper Machine
14	Practical	Plain Surface Shaping	Plain Surface Shaping	V groove Surface Shaping	V groove Surface Shaping	V groove Surface Shaping	Key Way Shaping
	Theory	Knowledge about Different operation Shaper Machine			Knowledge about Different operation Shaper Machine		Knowledge about Different operation Shaper Machine
15	Practical	Key Way Shaping	Key Way Shaping	Key Way Shaping	Slot Cutting with Shaper Machine	Slot Cutting with Shaper Machine	Slot Cutting with Shaper Machine
	Theory	Knowledge about Power Saw machine		Knowledge about Different Angle of Knife-edge Tool		Knowledge about Different Angle of V Tool	
16	Practical	Metal Cutting With Power Saw machine	Metal Cutting With Power Saw machine	Cutting Tool Sharpening With HSS Bar Knife-edge Tool	Cutting Tool Sharpening With HSS Bar Knife-edge Tool	Cutting Tool Sharpening With HSS Bar V Tool	Cutting Tool Sharpening With HSS Bar V Tool
	Theory	Knowledge about Different Angle of Parting Tool		Knowledge about Different Angle of Drill Bit		Knowledge about Self holding Taper	
17	Practical	Cutting Tool Sharpening With HSS Bar Parting Tool	Cutting Tool Sharpening With HSS Bar Parting Tool	Different size Drill Bit Sharpening	Different size Drill Bit Sharpening	Taper Sleeve making with Lathe Machine	Taper Sleeve making with Lathe Machine
	Theory	Knowledge about measurement with Carriage & use		Knowledge about Knurling of Lathe Machine		Knowledge about Knurling of Lathe Machine	
18	Practical	Connector Rod making with Lathe Machine	Connector Rod making with Lathe Machine	Tap Handle Fixed making with Lathe Machine	Tap Handle Fixed making with Lathe Machine	Tap Handle Moveable making with Lathe Machine	Tap Handle Moveable making with Lathe Machine

19	Theory	Cylindrical to Rectangle		Knowledge about Spur Gear Blank	Knowledge about Spur Gear Cutting formula	Knowledge about Belt Pulley	
	Practical	Tap Handle Body making with Lathe Machine	Tap Handle Body making with Lathe Machine	Spur Gear Blank making with Lathe Machine	Spur Gear Cutting making with Milling Machine	Pulley making with Lathe Machine	Pulley making with Lathe Machine
20	Theory	Knowledge about Different operation of Lathe Machine		Knowledge about Different operation of Milling Machine	Knowledge about Different operation of Shaper Machine		Knowledge about Different operation of Milling Machine
	Practical	Rickshaw Bush making with Lathe Machine	Spline Shaft making with Lathe Machine	Spline Shaft Cutting with Milling Machine	Bench Vice Jaw making with Shaper Machine	Bench Vice Jaw making with Shaper Machine	V Block making with Milling Machine
21	Theory	Knowledge about Thread cutting with Lathe Machine	Knowledge about Thread cutting with Lathe Machine	Knowledge about Thread cutting with Lathe Machine	Knowledge about Thread cutting with Lathe Machine	Knowledge about Internal Key Way of Shaper Machine	
	Practical	Thread cutting with Lathe Machine Right Hand External	Thread cutting with Lathe Machine Left Hand External	Thread cutting with Lathe Machine Right Hand Internal	Thread cutting with Lathe Machine Left Hand Internal	Internal Key Way Shaping	Internal Key Way Shaping
22	Theory	Knowledge about Internal Teeth of Shaper Machine		Knowledge about Angular Indexing in Degree	Knowledge about Angular Indexing in Degree	Knowledge about Angular Indexing in Minute	Knowledge about Angular Indexing in Second
	Practical	Internal Teeth Cutting Shaper Machine	Internal Teeth Cutting Shaper Machine	Milling Dividing Head Plate making with Lathe Machine	Milling Dividing Head Plate making with Lathe Machine	Milling Dividing Head Plate drilling with Rotary Table	Milling Dividing Head Plate drilling with Rotary Table
23	Theory	Knowledge about Tool & Cutter Grinding Machine	Knowledge about Tool & Cutter Grinding Machine	Knowledge about Tool & Cutter Grinding Machine	Knowledge about Tool & Cutter Grinding Machine	Knowledge about Tool & Cutter Grinding Machine	Knowledge about Tool & Cutter Grinding Machine
	Practical	V Tool Sharpening With Tool & Cutter Grinding Machine	V Tool Sharpening With Tool & Cutter Grinding Machine	Parting Tool Sharpening With Tool & Cutter Grinding Machine	Parting Tool Sharpening With Tool & Cutter Grinding Machine	Knife-edge Tool Sharpening With Tool & Cutter Grinding Machine	Knife-edge Tool Sharpening With Tool & Cutter Grinding Machine
24	Theory	Knowledge about Cylindrical Grinding Machine	Knowledge about Cylindrical Grinding Machine	Knowledge about Cylindrical Grinding Machine	Knowledge about Cylindrical Grinding Machine	Knowledge about Surface Grinding Machine	Knowledge about Surface Grinding Machine
	Practical	Straight Shank Grinding With Cylindrical Grinding Machine	Taper Shank Grinding With Cylindrical Grinding Machine	Taper Shank Grinding With Cylindrical Grinding Machine	Bearing Surface Grinding With Cylindrical Grinding Machine	Parallel Bar Grinding With Surface Grinding Machine	Parallel Bar Grinding With Surface Grinding Machine