Training Calendar: 2025-2026

Bangladesh Industrial Technical Assistance Center (BITAC)
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1 INTRODUCTION

1.1 Background

Bangladesh Industrial Technical Assistance Centre other-wise known as BITAC is the successor to Pakistan Industrial Technical Centre (PITAC). It was renamed BITAC after the independence of Bangladesh. BITAC was established in 1962 by merging two other productivity oriented public sector organizations namely IRDC & PIPS. With the establishment of BITAC practice oriented activities for productivity promotion and improvement of Productivity were created through its laboratory and workshops support. The main objective of BITAC is therefore, promotion of the national economy through development of product, process and skilled manpower. BITAC has Five Centres in Bangladesh at Dhaka, Chittagong, Chandpur, Khulna and Bogra. There is also an institute called Tools and Technology Institute (TTI) and a training complex called Advanced Training and Innovation Complex (ATIC) at the BITAC, Dhaka centre.

1.2 Vision & Mission

Vision:
Transforming BITAC into an excellent hub for providing technical assistance to the Industrial sector of the country.

Mission:
Enhancing technical skill through training to assist industrial sector; Innovation of technology and its transfer through development of research; and manufacturing and repairing of import alternative equipment to entsure uninterrupted industrial production.

1.3 Activities of BITAC

(A) To create skilled manpower for industrial establishments and industrial factories through technical training;

(B) To improve the skills of persons engaged in public and private industries or related to industry through technical training;

(C) To provide necessary training and assistance to the undergraduate or postgraduate
students of the University of Engineering and Technology to make them suitable for
industrial establishments.

(D) To establish incubation center for creating entrepreneurs and domestic technology
under technical collaboration with local and foreign universities of engineering and
technology;

(E) To provide training to persons with disabilities according to their type of disability
with a view to their effective participation in the economic field;

(F) Innovation and then transfer of high-quality products or technologies through research;

(G) To bring dynamism in the production activities of industrial establishments by making and repairing spare parts or parts;

(H) To provide overall support to public and private industries through training, consultancy, technology transfer, testing facilities for instruments or parts, etc.;

(I) To provide training and advice to improve the quality of products of public and private industrial enterprises and to make the best use of domestic raw materials;

(J) Dissemination of knowledge related to industrial establishments among all public and private entrepreneurs, especially women entrepreneurs, through seminars, group discussions, publications, exhibitions, educational film exhibitions and similar activities;

(K) To establish joint technical cooperative relations with domestic and foreign companies in the field of technical training, research, technology transfer, equipment testing and technical consultancy;

(L) To take steps to get the recognition of the training imparted by the Center from the local and international organizations.

1.4 Advisory Committee

Chairperson	: **Parimal Singha** Director General, BITAC.
Member	: **Dr. Md. Jalal Uddin PEng.** Director (Planning), BITAC.
	: **Md. Abu Sayeed Khan** Director (Admin & Finance), BITAC.
	: **Md. Ziaul Haque** Director (Training), BITAC.

1.5 Editorial Committee

Chairperson	: **Md. Ziaul Haque** Director (Training), BITAC.
	: **Md. Jahangir Alam** Additional Director (Training), Dhaka.
	: **Md. Firoz Hossain** Assistant Engineer (Training), Dhaka.
	: **Md. Selim Miah** Assistant Engineer (Training), Dhaka.

1.6 Course Conducting Committee

Course Advisor	: Director General BITAC
Course Director	: Director (Training), BITAC
Course Coordinator	: Additional Director BITAC.

1.7 Governing Body of BITAC

Rank	Organization	Designation at Governing Body
Secretary	Ministry of Industries	Chairman
Additional Secretary or Joint Secretary (BITAC Wing)	Ministry of Industries	Member
Joint Secretary	Finance Division (Ministry of Finance)	Member
Director General	Directorate of Technical Education	Member
Director General	Directorate of Labor & Manpower	Member
Director General	Bureau of Manpower, Employment and Training	Member
Member	National Skill Development Authority	Member
Executive Member	Bangladesh Investment Development Authority	Member
President	Bangladesh Engineering Industry Owners Association	Member
President	Federation of Bangladesh Chambers of Commerce and Industries	Member
Director General	Bangladesh Industrial Technical Assistance Center (BITAC)	Member Secretary

2. SCHEDULE OF THE TECHNICAL TRAINING PROGRAM, BITAC.

2.1 Long Term Technical Training Program (14 Weeks /Regular).

Sl. No.	Name of the Course	Course No.	Schedule	Duration (Weeks)	No. of seats
1.	Machine Shop	177 178 179	17Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	25
2.	Electrical Maintenance	177 178 179	17Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	25
3.	Welding	177 178 179	17Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	25
4.	Machine Maintenance	177 178 179	17Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	25
5.	Automobile & Autoelectrcity	177 178 179	17Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	25
6.	Foundry & Pattern Making	177 178 179	17Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	10

2.2 Customized Technical Training Program

Sl. No.	Name of the Course	Duration (Hours)	No. of seats
1	Machine Shop	As per Demand	As per Demand
2	Electrical Maintenance	,,	,,
3	Welding	,,	,,
4	Machine Maintenance	,,	,,
5	Automobile & Auto-electricity	,,	,,
6	Foundry & Pattern Making	,,	,,
7	Heat Treatment	,,	,,
8	Solid Works	,,	,,
9	Auto CAD (2D & 3D)	,,	,,
10	Boiler Operation & Maintenance	,,	,,
11	CNC Lathe Operation &Practice	,,	,,
12	CNC Milling Operation & Practice	,,	,,
13	CNC Machining Center Operation & Practice	,,	,,
14	Die Sink EDM & Wire Cut EDM Operation & Practice	,,	,,
15	Computer Aided Engineering (CAE)	,,	,,
16	3D Printing	,,	,,
17	Cloud Based CNC Machining Center Operation	,,	,,
18	Electrical Energy Monitoring System (Installation, Operation & SCADA Visualization)	,,	,,

3. LONG TERM TECHNICAL TRAINING PROGRAM (14 Weeks/Regular), BITAC, DHAKA

3.1 Machine Shop

Name of the Course	:	**Machine Shop**
Duration	:	14 weeks
Schedule	:	17 Aug 2025 to 20 Nov 2025, 30 Nov 2025 to 05 Mar 2026 and 08 Mar 2026 to 25 Jun 2026; For course no: 177, 178 and 179 respectively.
Nomination deadline	:	14 Aug 2025, 27 Nov 2025 and 05 Mar 2026; For course no: 177, 178 and 179 respectively.
Number of Seats	:	25
Course fee	:	5,000/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	Square, Acme, Buttress and trapezoid thread cutting, Form turning with Form tool and by combined longitudinal and Cross feed, Copy turning; Cam shaft, Crank shaft turning; Dee hole drilling, boring and riming to sizes, Gear Cutting; Helical, Bevel and worm gear; Cam milling; Grinding on punch shaft to standard dimensional accuracy and surface finishing; Effect to temperature of surface finish. • Understanding of mechanical engineering drawing; • Informing different machining parameters; • Identification on different metals. • Introducing design of tools/cutters and Duration; • Make Capable of measuring using different measuring instrument; • Awareness of safety
Course Contents	:	• Technical Drawing • Basic Tool Design • Safety & Maintenance • Safety & Mainteance • Shop Theory • Measuring Tools, Fits & Tolerances • Related Math. • Engineering Materials • Heat-Treatment
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

3.2 Electrical Maintenance

Name of the Course	:	Electrical Maintenance
Duration	:	14 weeks
Schedule	:	17 Aug 2025 to 20 Nov 2025, 30 Nov 2025 to 05 Mar 2026 and 08 Mar 2026 to 25 Jun 2026; For course no: 177, 178 and 179 respectively.
Nomination deadline	:	14 Aug 2025, 27 Nov 2025 and 05 Mar 2026; For course no: 177, 178 and 179 respectively.
Number of Seats	:	25
Course fee	:	8,000/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	• To develop skill in domestic and industrial wiring; • To make control circuit and detecting faults and its maintenance; • To identify various electronic components and understanding electronic circuit and making circuit. • Detecting machine faults, machine winding and is repairing and maintenance; • Able of measure using various measuring tools and connect measuring instrument to a circuit.
Course Contents	:	• Electrical Wiring • Control System • Industrial Electronics • Electrical Machine • Measuring Tools & Electrical Instruments.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

3.3 Welding

Name of the Course	:	Welding
Duration	:	14 weeks
Schedule	:	17 Aug 2025 to 20 Nov 2025, 30 Nov 2025 to 05 Mar 2026 and 08 Mar 2026 to 25 Jun 2026; For course no: 177, 178 and 179 respectively.
Nomination deadline	:	14 Aug 2025, 27 Nov 2025 and 05 Mar 2026; For course no: 177, 178 and 179 respectively.
Number of Seats	:	25
Course fee	:	7,500/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	• Introduction to different types of welding processes; • Identification of different metals; • Preparation of different types of welding joints; • Welding practice at positions; • Introducting different welding Parameter • Skill development in arc welding technique and gas welding technique; • Detecing welding defects and trouble shooting • Designing and making welding jigs fixtures; • Learning welding symbols; • Make capable of inspection and testing of wel joints; • Safety awareness.
Course Contents	:	• Welding Theory on Arc Welding • Heat Treatment • Gas Welding/Cutting • Safety & Mainteance • Engineering Materials • Technical Drawing Reading • Welding Hand tools/Measuring Tools.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

3.4 Automobile & Auto-electricity

Name of the Course	:	Automobile & Auto-electricity
Duration	:	14weeks
Schedule	:	17 Aug 2025 to 20 Nov 2025, 30 Nov 2025 to 05 Mar 2026 and 08 Mar 2026 to 25 Jun 2026; For course no: 177, 178 and 179 respectively.
Nomination deadline	:	14 Aug 2025, 27 Nov 2025 and 05 Mar 2026; For course no: 177, 178 and 179 respectively.
Number of Seats	:	10
Course fee	:	5,000/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	• To introduc hand tools, machine tools and different measuring instruments; • To make capable of major overhauling of auto engine; electrical & electronic parts. • Troubles shooting and corrective measures; • Dismantling and assembling of gear box and clutch system; • To acquaint the participants with auto parts machining, denting and painting; • Reparing and maintenace of suspension and break system; • Selecting appropriate blue oil, fuel & tyres for different types vehicles.
Course Contents	:	• Basic Engine • Fundamental-Electricil and electronic system • Power Transmission System • Auto-Parts Machining, Denting and painting • Measuring Tools • Suspension, Break, Fuel & Fuel Injection Systems.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration • Model demonstration • Team Work • Report writing
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

3.5 Machine Maintenance

Name of the Course	:	Machine Maintenance
Duration	:	14 weeks
Schedule	:	17 Aug 2025 to 20 Nov 2025, 30 Nov 2025 to 05 Mar 2026 and 08 Mar 2026 to 25 Jun 2026; For course no: 177, 178 and 179 respectively.
Nomination deadline	:	14 Aug 2025, 27 Nov 2025 and 05 Mar 2026; For course no: 177, 178 and 179 respectively.
Number of Seats	:	25
Course fee	:	5,000/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	• Inroduction to different machine tools such as lathe machine, milling machine, grinding machine, boring machine, planer machine, drill machine, hydralic and mechanical press machine, rolling machine, shear machine; • Acquainting different types of mechanical compound and driving System; • Understanding of blue print reading; • Make capable of disassembly and assembly of different machine tools and components; • Replacement of lubricants, cutting oil, o-ring, gasket etc; • Awaraness of safety and maintenance.
Course Contents	:	• Machine Elements • Mechanical Component and Driving System • General Maintenace • Technical Drawing Reading • Hand tools/Measuring Tools • Safety & Maintenace.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

3.6 Foundry & Pattern Making

Name of the Course	:	Foundry & Pattern Making
Duration	:	14 weeks
Schedule	:	17 Aug 2025 to 20 Nov 2025, 30 Nov 2025 to 05 Mar 2026 and 08 Mar 2026 to 25 Jun 2026; For course no: 177, 178 and 179 respectively.
Nomination deadline	:	14 Aug 2025, 27 Nov 2025 and 05 Mar 2026; For course no: 177, 178 and 179 respectively.
Number of Seats	:	05
Course fee	:	5,000/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	• To operate induction furnace, cupola furnace, tilting furnace, pit furnace coke bed furnace, sand mixing machine, overhead crane, core drier, and use different hand tools etc; • Understanding blue print reading • Preparation of sand for mould and core making, • Making mould/core, pasting, metal melting, fettiling etc; • Identifying the different metals and alloys; • Melting different metals, handling the liquid metal and puring the liquid metal into the mold cavity; • Taking different measurement using different mesuring instruments; • Introducing the heat treatment processes.
Course Contents	:	• Pattern Making ı Casting processes • Sand mould Preparation & Practices. • Different types of furnace • Melting Processes ı Alloying of Metals • Safety & Mainteance • Engineering Materials • Technical Drawing & Reading • Welding Hand tools/Measuring Tools. • Heat-Treatment
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

Customized Technical Training Program.

Heat Treatment

Name of the Course	:	Heat Tratment
Duration	:	4 weeks (140 Hours)
Schedule	:	As per Discussion
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	5000/-
Target Group	:	Candidate having SSC or equivalent certificate along with technical experience, Merchant Navy Cadets, Defense civilian staff (army, air force and navy), TTC/VTI certificate holders, Diploma in Engineering.
Course Objects	:	• Demonstration and practicing on Annealing Normalizing, Hardening & Tempering. • Inroduction to different types of heat treatment furnaces; • Acquainting with different cooling media used for different metals and their alloys; • Identification of different type of metals; • Demonstration of quenching technique; • Practicing hardness measurement; • Preparing carburizing compound; • Demonstration on packaging of job into carburizing compund. • Awaraness of safety.
Course Contents	:	• Safety & Maintenance • Engineering materials • Fundamental of Heat Treatment • Furnace Design
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Written test • Oral test • Overall performance.

4.2 CNC Lathe Operation & Practice

Name of the Course	:	CNC Lathe Operation & Practice
Duration	:	4 weeks (140 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	5000/-
Target Group	:	B.Sc. in Engineering, Diploma in Engineering TTC/HSC (Vocational)
Course Objects	:	• In depth exploration of ISO as related to lathe operation; • Detail Lessons ranging from basic to advanced programming; techniques using ISO and a representative lathe CNC control (Fagor); • Hands on machining practice under real-life shop environment.
Course Contents	:	• Introduction & Basic programming. • ISO Code (G & M code) • Machine parameter & Function. • Different operation & ramming.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.3 CNC Milling Operation & Practice

Name of the Course	:	CNC Milling Operation & Practice
Duration	:	4 weeks (140 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	5,000/-
Target Group	:	BSc. in Engineering, Diploma in Engineering TTC/HSC (Vocational)
Course Objects	:	• In depth exploration of ISO as related to milling; • Detail Lessons ranging from basic to advanced programming; techniques using ISO and a representative milling CNC control (Haidenhein TNC-310); • Hands on machining practice under real-life shop environment.
Course Contents	:	• Introduction & Basic programming. • ISO Code (G & M code) • Machine parameter & Function. • Different operation & ramming.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.4 CNC Machining Center Operation & Practice

Name of the Course	:	**CNC Machining Center Operation & Practice**
Duration	:	4 weeks (140 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	7,500/-
Target Group	:	BSc. in Engineering, Diploma in Engineering TTC/HSC (Vocational)
Course Objects	:	• In depth exploration of ISO as related to milling and drilling oriented operations; • Detail Lessons ranging from basic to advanced programming; techniques using ISO and a representative multi-axis machining center CNC control (Fanuc-21); (Heidenheim TNC-310); • Hands on machining practice under real-life shop Environment.
Course Contents	:	• Introduction & Basic programming. • ISO Code (G & M code) • Machine parameter & Function. • Different operation & ramming.
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.5 Die Sink EDM & Wire Cut EDM Operation & Practice

Name of the Course	:	Die Sink EDM & Wire Cut EDM Operation & Practice
Duration	:	4 weeks (140 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	As per Demand.
Course fee	:	7,500/-
Target Group	:	BSc. in Engineering, Diploma in Engineering TTC/HSC (Vocational)
Course Objects	:	• Understanding of EDM process and factors involved; • Rendering knowledge on die-sink & wire cut EDM machines, their components and control systems; • Acquaintance with electrode (Properties, materials and machining), dielectric fluids (Properties, function); • Programming with ISO codes and a representative control language (Rooster); • Use of CAM and Simulation to facilitate programming; • Making workable mold cavities, dies and punches using die-sink & wire-cut EDM process.
Course Contents	:	• Basic programming (wire cut) & operation • Basic operation • Application operation • NC programming. • My cam (software).
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.6 Auto CAD (2D & 3D)

Name of the Course	:	Auto CAD (2D & 3D)
Duration	:	6 weeks (210 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	As per Demand.
Course fee	:	7,500/-
Target Group	:	B.Sc. in Engineering, Diploma in Engineering, TTC/ HSC (Vocational)
Course Objects	:	• Understanding and practicing of working and assembly drawing; • Introducing the importance of computer aided design (CAD); • Male capable of computer aided designing.
Course Contents	:	• Mechanical Drafting • Auto CAD-2D • Auto CAD-3D • Component drawing
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System As per Demand.	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.7 Solid Works

Name of the Course	:	Solid Works
Duration	:	6 weeks (210 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	As per Demand.
Course fee	:	7,500/-
Target Group	:	B.Sc. in Engineering, Diploma in Engineering, TTC/ HSC (Vocational)
Course Objects	:	• Understanding and Duration of working and assembly drawing; • Introducing the importance of computer aided design (CAD); • Learn about innovation of design and design modification. • Know about the application of solid works drawing
Course Contents	:	• Mechanical Drafting • Solid works-2D • Solid works-3D • Assembly drawing • Special Fixture drawing
Training Methodology	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.
Evaluation System	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.8 Computer Aided Engineering (CAE)

Name of the Course	:	Computer Aided Engineering (CAE)
Duration	:	4 Weeks (120 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	7,500/-
Target Group	:	B.Sc in Engineering, Diploma in Engineering, or equivalent certificate with technical experience and computer literacy
Course Objects	:	• To design 3D object for CNC manufacturing using CAD software • To operate the VMC with all recommended settings for manufacturing 3D object • To set up static stress simulation
Course Contents	:	• 3D Part modelling using Solid works • Generating CNC toolpath using Master CAM • CNC Programming for vertical machining center (VMC) • Introduction to engineering simulation • Introduction to Cloud based CAD software (Fusion 360)
Training Methodology	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.
Evaluation System	:	• Observation • Question and answer • Individual exercise • Oral test • Overall performance.

4.9 3D Printing

Name of the Course	:	**3D Printing**
Duration	:	4 Weeks (120 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	5,000/-
Target Group	:	B.Sc in Engineering, Diploma in Engineering or equivalent certificate with technical experience and computer literacy
Course Objects	:	• To design 3D object for 3D Printing in CAD software • To install 3D Printer and all necessary accessories • To troubleshoot common 3D Printing issues • To use slicing software and learn G-code for 3D printers
Course Contents	:	• 3D Part modelling using Solid works • Detailed discussion on slicing software for FDM 3D Printers like Ultimaker Cura and Simplify 3D • Hands-on practice on 3D Printer installation, maintenance and operation
Training Methodology	:	• Classroom lecture • Group Discussion • Practical Exercise • Demonstration
Evaluation System	:	• Attendance • Oral Question and Answer • Individual Exercise • Written Test • Portfolio

4.10 Cloud Based CNC Machining Center Operation

Name of the Course	:	**Cloud Based CNC Machining Center Operatio**
Duration	:	4 Weeks (120 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	7,500/-
Target Group	:	B.Sc in Engineering, Diploma in Engineering or equivalent certificate with technical experien and computer literacy
Course Objects	:	• To design a 3D object for CNC manufacturing in CAD software • To operate the VMC with all recommended settings for manufacturing a 3D object • To use production monitoring software to track factory production and efficiency.
Course Contents	:	• 3D Part modelling using Solid works • Generating CNC toolpath using Master CAM • CNC Programming for vertical machining center (VMC) • Introduction to cloud-based production monitorin software for CNC
Training Methodology	:	• Classroom lecture • Group Discussion • Practical Exercise • Demonstration
Evaluation System	:	• Attendance • Oral Question and Answer • Individual Exercise • Written Test • Portfolio

4.11 Electrical Energy Monitoring System (Installation, Operation & SCADA Visualization)

Name of the Course	:	Electrical Energy Monitoring System (Installation, Operation & SCADAVisualization)
Duration	:	4 Weeks (120 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	5
Course fee	:	7,500/-
Target Group	:	B.Sc in Engineering, Diploma in Engineering or equivalent certificate with technical experience and computer literacy
Course Objects	:	• To Install Energy Monitoring Devices • To Perform System Wiring of Electrical & Communication network of Electrical Energy Monitoring • To Configuration Multifunction Energy Meter • To Configuration Main PLC CPU of Energy Monitoring • To Configuration PC SCADA of Energy Monitoring • To Configure Network devices of Energy Monitoring • To Configure Web and Mobile Client of Energy Monitoring • To Monitor and Data Logging to PC SCADA Of energy parameters
Course Contents	:	• Information and specifications of Energy Monitoring Software • PLC, IIoT Gateway, Multifunctional Energy Meterand MODBUSRTU Manual • Installmobile, desktopSCADA monitoring application • Monitoring Application Configuration on SCADAPC. • Establish PLC and monitoring app communication. Configuration of IP Address and Remote Monitoring System • Configuration of API key Remote Monitoring of Energy Monitoring System • Configuration of User ID and pass word Remote Monitoring of Energy Monitoring System • Configuration VPN &Talk 2M webaccess Remote Monitoring of Energy Monitoring System • Configuration of WAN IP Remote Monitoring of Energy
Training Methodology	:	• Classroom lecture • Practical Exercise • Demonstration
Evaluation System	:	• Attendance • Oral Question and Answer • Individual Exercise

4.12 Boiler Operation and Maintenance

Name of the Course	:	**Boiler Operation and Maintenance**
Duration	:	1 Weeks (35 Hours)
Schedule	:	As per Discussion.
Nomination deadline	:	As per Demand.
Number of Seats	:	As per Discussion.
Course fee	:	3,500/-
Target Group	:	Entrepreneur, Technical staffs working in theindustries like Sugar Mills, Textiles, Power Plant passed at leastClass eight pass/equivalent.
Course Objects	:	• Skill development on Boiler; • Developing knowledge on Acts, rules and regulations; • Awareness on Safety and maintenance.
Course Contents	:	• Water circuit • Fuel circuit • Boiler construction • Boiler Maintenance • Safety • Troubleshooting • Act, rules & regulations • Inspection & regulations procedure • Control system
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5. Skills for Industry Competitiveness and Innovation Program (SICIP):

(a) Skills for Industry Competitiveness and Innovation Program (SICIP), BITAC, Dhaka.

Sl. No.	Name of the Course	Course No.	Schedule	Duration (Months)	No. of seats	Course Fee
1.	Industrial Automation	3 4 5 6	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
2.	Pneumatic & Hydraulic System Operation and Maintenance	3 4 5 6	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
3.	Industrial Robot Operation and Troubleshooting	3 4 5 6	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
4.	Industrial Electrical & Electronic Application	3 4 5 6	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
5.	Advance CNC Machining Center Operation and Practice	3 4 5 6	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
6.	CAD-CAM (Mechanical)	3 4 5 6	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
7.	3D Printing	2 3 4 5	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free

(b) Skills for Industry Competitiveness and Innovation Program (SICIP), BITAC, Chattogram.

Sl. No.	Name of the Course	Course No.	Schedule	Duration (Months)	No. of seats	Course Fee
1.	Electrical Installation & Maintenance	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
2.	Machine Shop Practice	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free

(c) Skills for Industry Competitiveness and Innovation Program (SICIP), BITAC, Khulna and Chandpur.

Sl. No.	Name of the Course	Course No.	Schedule	Duration (Months)	No. of seats	Course Fee
1.	Machine Shop Practice	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
2.	Electrical Maintenance	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
3.	Welding	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free

(d) Skills for Industry Competitiveness and Innovation Program (SICIP), BITAC, Bogura.

Sl. No.	Name of the Course	Course No.	Schedule	Duration (Months)	No. of seats	Course Fee
1.	Mobile Phone Servicing	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
2.	Electrical Maintenance	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free
3.	Welding	1 2 3 4	20 July 2025 to 13 Oct 2025 15 Oct 2025 to 08 Jan 2026 11 Jan 2026 to 09 Apr 2026 12 Apr 2026 to 16 Jul 2026	3	25	Free

(e) Skills for Industry Competitiveness and Innovation Program (SICIP), BITAC, TTI.

Sl. No.	Name of the Course	Course No.	Schedule	Duration (Months)	No. of seats	Course Fee
1.	CNC	1 2 3	19 May'25 to 18 Sep'25 20 Sep'25 to 06 Jan'26 07 Jan'26 to 30 Apr'26	4	25	Free
2.	PLC	1 2 3	19 May'25 to 18 Sep'25 20 Sep'25 to 06 Jan'26 07 Jan'26 to 30 Apr'26	4	25	Free
3.	CAD-CAM	1 2 3	19 May'25 to 18 Sep'25 20 Sep'25 to 06 Jan'26 07 Jan'26 to 30 Apr'26	4	25	Free

5. Skills for Industry Competitiveness and Innovation Program (SICIP), BITAC, Dhaka

5.1 Industrial Automation

Name of the Course	:	**Industrial Automation**
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Nomination deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	Automation is the technique that makes machine, plant and process to operate automatically. As industry becoming more and more sophisticated by applying automation, demanding more skill people who are capable to work both the engineering fields. Now days it is common to use electrical control system in mechanical engineering to reduce the cost and for robust and reliable operations. The goal of this course is to prepare the engineers and technician for respond the upcoming job market.
Course Contents	:	• To operate in a Self-Directed Team • To communicate in English in the Workplace • To apply Occupational Health & Safety (OHS)Practices in the Workplace • Electrical Sequence Circuit & Control • Basic Siemens PLC(SIMATIC-S7) • Basic Omron PLC(SYSMAC) • Basic LSIS PLC(XGK) • Basic Mitsubishi PLC(MELSEC) • PLC communication(SIMATIC/SYSMAC/XGK/MELSEC) • PLC Position & Servo Control (SIMATIC/SYSMAC/XGK/MELSEC) • PLC AD/DA &HSC(SIMATIC/SYSMAC/XGK/MELSEC)
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.2 Pneumatic & Hydraulic System Operation and Maintenance

Name of the Course	:	**Pneumatic & Hydraulic System Operation and Maintenance**
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Nomination deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• To understand the principle of hydraulic and pneumatics system. • To know how a hydraulic system work. • To learn about the symbol and components of hydraulic and pneumatics system. • To learn about hydraulic and pneumatics troubleshooting. • To learn about hydraulic and pneumatics circuit. • To design simple hydraulic and pneumatics circuit.
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Carry Out Precision Checks and Measurements • Apply Quality Systems and procedures • Introduction to Factory Sequence Control • Basic Pneumatic & Hydraulic Control • Electrical Pneumatic & Hydraulic Control Application • Pneumatic & Hydraulic Instruments Maintenance • Proportional Hydraulic Control • PLC Sensor & Motor Control • PLC Machine Vision Control
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.3 Industrial Robot Operation and Troubleshooting

Name of the Course	:	**Industrial Robot Operation and Troubleshooting**
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Nomination deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• To reduce setup and queue times. • Produce more product more quickly • Improve efficiency. • Utilize human workers better • Improve product routing • Reduce time for product completion.
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Fundamental Electrical & Electronics • Basic Sequence & PLC Control Programing • Introduction to FMS • Articulated Robot Disassembly/Assembly & Management • PLC Sensor, Machine vision & Motor Control • Hand-on FMSTotal Exercise (Robot Assembling Process) • Industrial Articulated Robot Control Application) • Mobile Robot Control Using Scratch Block Program • Overview of MES & Smart Factory System
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.4 3D Printing Technology

Name of the Course	:	**3D Printing Technology**
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Nomination deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• To design 3D object for 3D printing using CAD software. • To install 3D printer and all necessary accessories. • To troubleshoot common 3D printing issues. • To use slicing software and learn G-code for 3d printers.
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Basic AutoCAD &Solid works Design(2D) • Basic 3D Printer Application • 3D Pinter Slicer SW Application • 3D Printer Disassembly/Assembly & Maintenance Using Open Source • Prototype Manufacture Using AutoCAD 3D Design & 3D Printer • Prototype Manufacture Using SolidWorks 3D Design & 3D Printer • 3D Printing Post Processing Using 3D Scanner & Printer (Case of Mold Manufacture) • 3D Printing Post Machining Using 3D SW & Printer (Case of Spider Robot Manufacture) • 3D Printing Post Machining/Processing Using Rhino 3D SW & Printer (Case of Architectural Miniature Manufacture)
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.5 Autonomous Drone Application

Name of the Course	:	Autonomous Drone Application
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Application deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course Fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Trade Objects	:	• To learn basic drone navigation • To learn basic drone photographing • To learn drone control system • To learn IoT programming based on Arduin • To develop skill manpower
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Carry Out Precision Checks and Measurements • Fundamental of Drone technology • Aviation Regulation & Aviation Regulation Simulation Practice • Basic Drone Navigation • Basic Drone Photographing • Basic IoT Programing Based on Arduino • Drone Video Photographing(Documentary Type) • Drone Navigation and Photographing(Rotation Wings) • Drone Navigation and Photographing(Fixed Wings) • Drone Control & Navigation Using Arduino Programing • Drone Navigation and VR 360^0 Photographing
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.6 Alternative Energy

Name of the Course	:	Alternative Energy
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Application deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course Fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• To learn solar photovoltaic plant design •To learn fundamental of alternative energy •To learn wind power plant management & maintenance •Fresh skilled workforce can fill the skills gap. •Meets our local & oversees demand by re-skilling and up-skilling training.
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practic in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Carry Out Precision Checks and Measurements • Fundamental Alternative Energy • Solar Photovoltaic Fundamental Practice • Wind Power Generation Fundamental Practice • Solar Photovoltaic Module/Inverter & Distribution System Lin • SAPV/BIPV System & Plant Maintenance • Wind Power Control Using HILS & WindSIM • Solar Photovoltaic Plant Design Using Ecotect & Solar Pro • Wind Power Plant Management & Maintenance
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Group discussion
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

7 Industrial Electrical & Electronic Application

Name of the Course	:	Industrial Electrical &Electronic Application
Duration	:	360 Hours
Schedule	:	See in Table 5 (a)
Application deadline	:	2 days before starting of each course.
Number of Seats		25
Course Fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• To learn electronics circuit schematic work. • To learn CAD- electrical design application • To learn PCB Artwork Using or CAD Layout • Fresh skilled workforce can fill the skills gap. • Meets our local & oversees demand by re-skilling and up -skilling training.
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Carry Out Precision Checks and Measurements • Fundamental Electrical & Electronics • Electronics Circuit (Level-1) • Electronics Circuit Schematic Work Using Altium Designer • Electrical Drawing Work Using AutoCAD-Electrical • Electronics Circuit Schematic Work Using orCAD Capture • Electronics Circuit(Level-2) • PCB Artwork Using Altium Designer • AutoCAD-Electrical Design Application • PCB Artwork Using or CAD Layout • Electronics Circuit Simulation Modeling Using PSPICE • Electrical Facilities Design Using E-PLAN
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.8 Advance CNC Machining Center Operation and Practice

Name of the Course	:	**Advance CNC Machining Center Operation and Practi**
Duration	:	360 Hours
Schedule.	:	See in Table 5 (a)
Application deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course Fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• Understanding of mechanical engineering drawing. • Informing different machining parameters • Introducing design of tools and cutter • Make capable of measuring using different measurin instruments. • Identification different materials • To perform lathe operations • To perform milling operations • To perform grinding operations
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Carry Out Precision Checks and Measurements • Basic Lathe • Basic Milling • Basic Surface Grinding • Lathe Application • Milling Application • Basic CNC Lathe • Basic Machining Center • CNC Lathe Application • Machining Center Application
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

5.9 CAD-CAM (Mechanical)

Name of the Course	:	CAD-CAM (Mechanical)
Duration	:	360 Hours
Schedule.	:	See in Table 5 (a)
Application deadline	:	2 days before starting of each course.
Number of Seats	:	25
Course Fee	:	Free
Target Group	:	B.Sc. Engineering /Diploma Engineering / HSC (Vocational) / SSC (Vocational) / TTC / SSC or equivalent. Age Limit: 18 to 45 Years
Course Objects	:	• To understand the principle of CNC milling/lathe operation • To know how to operate CNC milling/lathe operation • To learn CNC basic programming • To know how to reduce machining time •To design product in software and cut in machine
Course Contents	:	• Apply Occupational Health & Safety (OH&S) Practice in the workplace • Perform Personal Computer (PC) Application • Interpret Technical drawings and Manuals • Carry Out Precision Checks and Measurements • Perform CNC Lathe operation • Perform CNC machining center operation • Create a model using CAD software • Apply CAM for computer-aided machining • Perform multi-axis machining
Training Methodology	:	• Class-room lecture • Group discussion • Practical exercise • Demonstration
Evaluation System	:	• Observation • Question and answer • Oral test • Overall performance.

6. Accelerating and Strengthening Skills for Economic Transformation (ASSET

6.1 BITAC-Dhaka,

Sl. No.	Name of the Course	Schedule	No. of seats	Course Fee
1	Electrical Installation & Maintenance (Level-2)	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Free
2	Welding (Level-1)	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Free
3	Web Design and Development for Freelancing (Level-3)	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Free
	Target Group	Candidate having SSC or equivalent certificate along with technic experience, TTC/VTI certificate holders, Diploma in Engineering		

6.2 BITAC, Bogura.

Sl. No.	Name of the Course	Schedule	No. of seats	Cour Fee
1	Refrigeration and Air conditioning	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Fre
2	Boiler Operation & Maintenance	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Free
3	Electrical Installation & Maintenance (Level-2)	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Free
4	Computer Operation	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	24	Free
	Target Group	Candidate having SSC or equivalent certificate along with technic experience, TTC/VTI certificate holders, Diploma in Engineering		

6.3 BITAC-Chattogram and Chandpur.

Sl. No.	Name of the Course	Schedule	Duration (Hours)	No. of seats	Course Fee
1	Electrical Installation & Maintenance (Level-2)	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	360	24	Free
2	Welding (Level-1)	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	360	24	Free
	Target Group	Candidate having SSC or equivalent certificate along with technical experience, TTC/VTI certificate holders, Diploma in Engineering.			

6.4 BITAC, Khulna.

Sl. No.	Name of the Course	Schedule		No. of seats	Course Fee
1	Electrical Installation & Maintenance	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	360	24	Free
2	Refrigeration and Air conditioning	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	360	24	Free
3	Machine Shop Practice	07Aug 25 to 06 Nov 25 09 Nov 25 to 08 Feb 26 10 Feb 26 to 10 May 26 12 May 26 to 11 Aug 27 For course no: 6, 7, 8 and 9 respectively.	360	24	Free
	Target Group	Candidate having SSC or equivalent certificate along with technical experience, TTC/VTI certificate holders, Diploma in Engineering.			

6.5 BITAC, TTI.

Sl. No.	Name of the Course	Course Type	Schedule	Duration (Hours)	No. of seats	Course Fee
1	CNC Machining Centre Operation with CAD/CAM	ASSET	07 May'25 to 06 Aug'25 09 Aug'25 to 09 Nov'25 10 Nov'25 to 10 Feb'26 11 Feb'26 to 13 May'26	360	24	Free
2	Programmable Logic Controller (PLC)	ASSET	07 May'25 to 06 Aug'25 09 Aug'25 to 09 Nov'25 10 Nov'25 to 10 Feb'26 11 Feb'26 to 13 May'26	360	24	Free
	Target Group	Candidate having SSC or equivalent certificate along with technical experience, TTC/VTI certificate holders, Diploma in Engineering.				

7. Self-Employment and Poverty Alleviation (SEPA), Phase-2, BITAC.

7.1 BITAC, Dhaka. (For Female)

S.I No.	Name of the Course	Schedule	No. of Seats/ Course	Cour Fee
1	Machine Shop	From 01 Jul 2025 to 30 Sep 2025 for the 17th batch From 01 Oct 2025 to 31 Dec 2025 for the 18th batch From 01 Jan 2026 to 31 Mar 2026 for the 19th batch From 01 Apr 2026 to 30 Jun 2026 for the 20th batch	30	Free
2	Mobile Servicing			
3	Electrical Maintenance			
4	Refrigeration & Air conditioning			
5	Auto CAD			
6	House Hold Appliance Maintenance			
7	Handicraft			
8	Plastic Processing (General)			
9	Plastic Processing (Customized)			
Target Group		Minimum 8th/ JSC pass and Age Limit:18 to 30 Yea		

7.2 BITAC, Dhaka. (For Male)

S.I No.	Name of the Course	Schedule	No. of Seats/ Course	Cours Fee
1	Machine Shop	From 01 Jul 2025 to 30 Sep 2025 for the 17th batch From 01 Oct 2025 to 31 Dec 2025 for the 18th batch From 01 Jan 2026 to 31 Mar 2026 for the 19th batch From 01 Apr 2026 to 30 Jun 2026 for the 20th batch	30	Free
2	Electronics			
3	Electrical Maintenance			
4	Refrigeration & Air conditioning			
5	Auto CAD			
6	Computer Hardware Maintenance			
7	Welding			
	Target Group	Minimum 8th/ JSC pass and Age Limit:18 to 30 Yea		

7.3 BITAC, Chattogram, Khulna and Bogura. (For Male)

S.I No.	Name of the Course	Schedule	No. of Seats/ Course	Course Fe
1	Welding (Arc & Gas)	From 01 Jul 2025 to 30 Sep 2025 for the 17th batch From 01 Oct 2025 to 31 Dec 2025 for the 18th batch From 01 Jan 2026 to 31 Mar 2026 for the 19th batch From 01 Apr 2026 to 30 Jun 2026 for the 20th batch	30	Free
2	Electrical Maintenance			
3	Refrigeration & Air conditioning			
Target Group		Minimum 8th/ JSC pass and Age Limit:18 to 30 Years		

4 BITAC, Chattogram and Bogura. (For Female)

S.I No.	Name of the Course	Schedule	No. of Seats/ Course	Course Fee
1	Mobile Servicing	From 01 Jul 2025 to 30 Sep 2025 for the 17th batch From 01 Oct 2025 to 31 Dec 2025 for the 18th batch From 01 Jan 2026 to 31 Mar 2026 for the 19th batch From 01 Apr 2026 to 30 Jun 2026 for the 20th batch	30	Free
2	Electrical Maintenance			
3	Refrigeration & Air conditioning			
Target Group		Minimum 8th/ JSC pass and Age Limit:18 to 30 Years		

5 BITAC, Khulna. (For Female)

S.I No.	Name of the Course	Schedule	No. of Seats/ Course	Course Fee
1	Auto CAD	From 01 Jul 2025 to 30 Sep 2025 for the 17th batch From 01 Oct 2025 to 31 Dec 2025 for the 18th batch From 01 Jan 2026 to 31 Mar 2026 for the 19th batch From 01 Apr 2026 to 30 Jun 2026 for the 20th batch	30	Free
2	Electrical Maintenance			
3	Refrigeration & Air conditioning			
Target Group		Minimum 8th/ JSC pass and Age Limit:18 to 30 Years		

6 BITAC, Chandpur (For Male)

S.I No.	Name of the Course	Schedule	No. of Seats/ Course	Course Fee
1	Welding (Arc & Gas)	From 01 Jul 2025 to 30 Sep 2025 for the 17th batch From 01 Oct 2025 to 31 Dec 2025 for the 18th batch From 01 Jan 2026 to 31 Mar 2026 for the 19th batch From 01 Apr 2026 to 30 Jun 2026 for the 20th batch	30	Free
2	Electrical Maintenance			
3	Machine Shop			
Target Group		Minimum 8th/ JSC pass and Age Limit:18 to 30 Years		

8. Technical Training Program, BITAC, Chattogram.

8.1 Long Term Technical Training Program (Regular)

Sl. No.	Name of the Course	Course No.	Schedule	Practicing (Weeks)	No. of seats	Course Fee
1	Machine Shop	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	20	5,000/=
2	Electrical Maintenance	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	20	8,000/=
3	Welding	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	20	7,500/=
4	Machine Maintenance	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	10	5,000/=

8.2 Customized Technical Training Program.

Sl. No.	Name of the Course	Schedule	Duration (Weeks)	No. of seats	Course Fee
1	Auto CAD (2D & 3D)	As per Discussion	6	6	5,000/=

8.3 Long Term Technical Training Program (Customized)

Sl. No.	Name of the Course	Course No.	Duration	Duration (Hours)	No. of seats	Course Fee
1	Refrigeration & Air Conditioning	As per Demend	As per Discussion	360	10	5,000/=

9. BITAC, Chandpur, Khulna & Bogura

Long Term Technical Training Program (Regular)

Sl. No.	Name of the Course	Course No.	Schedule	Practicing (Weeks)	No. of seats	Course Fee
1	Machine Shop	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	20	5,000/=
2	Electrical Maintenance	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	20	8,000/=
3	Welding	177 178 179	17 Aug 2025 to 20 Nov 2025 30 Nov 2025 to 05 Mar 2026 08 Mar 2026 to 25 Jun 2026	14	20	7,500/=

10. Tool & Technology Institute (TTI), BITAC.

10.1Training Program (ASSET & Regular)

Sl. No.	Name of the Course	Course Type	Schedule	Duration (Hours)	No. of seats	Course Fee
1.	CNC Machining Centre Operation With CAD & CAM	ASSET	07 May'25 to 06 Aug'25 09 Aug'25 to 09 Nov'25 10 Nov'25 to 10 Feb'26 11 Feb'26 to 13 May'26	360 360 360 360	24 24 24 24	Free
2.	Programmable Logic Controller (PLC)	ASSET	07 May'25 to 06 Aug'25 09 Aug'25 to 09 Nov'25 10 Nov'25 to 10 Feb'26 11 Feb'26 to 13 May'26	360 360 360 360	24 24 24 24	Free
3.	CNC Machine Operation	BEIOA -SICIP	19 May'25 to 18 Sep'25 20 Sep'25 to 06 Jan'26 07 Jan'26 to 30 Apr'26	360 360 360	20 20 20	Free
4.	CAD CAM Design and Programming	BEIOA -SICIP	19 May'25 to 18 Sep'25 20 Sep'25 to 06 Jan'26 07 Jan'26 to 30 Apr'26	360 360 360	20 20 20	Free
5.	Certificate Course on PLC	BEIOA -SICIP	19 May'25 to 18 Aug'25 19 Aug'25 to 10 Nov'25 11 Nov'25 to 02 Feb'26 03 Feb'26 to 03 May'26	272 272 272 272	25 25 25 25	Free

10.2 Customized Technical Training Program.

Sl. No.	Name of the Course	Schedule	No. of Seats/Course	Course Fee
1	CNC Machine Centre with CAD/CAM	As per Discussion	As per Discussion	As per Discussion
2	Programmable Logic Controller (PLC)			
3	Mechatronics & PLC			

10.3 CNC Machining Centre Operation with CAD & CAM (ASSET)

Name of the Trade	:	CNC Machining Centre Operation with CAD & CAM
Duration	:	360 Hours
Schedule	:	07 May'25 to 06 Aug'25, 09 Aug'25 to 09 Nov'25 10 Nov'25 to 10 Feb'26 and 11 Feb'26 to 13 May'26
Nomination deadline	:	05 May 2025, 07 Aug 2025, 08 Nov 2025 and 09 Feb 2025.
Number of Seats	:	24
Course fee	:	Free
Target Group	:	Candidate having B.Sc/Diploma in engineering or equivalent. For technical experience educational qualification might be compromised.
Course Objects	:	• To understand the principle of CNC Milling operations. • To know how to operate a CNC Milling machine. • To learn CNC Milling basic programming. • To know how to reduce machining time. • To design particular part and develop in machine. • To design product in software and cut in machine.
Course Contents	:	• Safety • Machine operating • Manual programming with G&M codes • Mechanical Drawing • Solid works • Master CAM 2D programming • Master CAM 3D programming
Training Methodology	:	• Theory Classes • Demonstration • Practice on machine • Daily evaluation • Motivational session
Evaluation System	:	• Participation in the session • Oral test • Written test • Evidence guides • Practical examination

10.4 Programmbale Logic Controller (PLC) (ASSET)

Name of the Trade	:	Programmbale Logic Controller (PLC)
Duration	:	360 Hours
Schedule	:	07 May'25 to 06 Aug'25, 09 Aug'25 to 09 Nov'25 10 Nov'25 to 10 Feb'26 and 11 Feb'26 to 13 May'26
Nomination deadline	:	05 May 2025, 07 Aug 2025, 08 Nov 2025 and 09 Feb 2025.
Number of Seats	:	24
Trade fee	:	Free
Target Group	:	Candidate having B.Sc./Diploma in engineering or equivalent. For technical experience, educational qualification might be compromised.
Course object	:	• To understand the principle of Mechatronics and its application. • To know the application of PLC. • To know various sensors and actuator and its application. • To understand the industrial application of hydraulic and pneumatics. • To understand the application of Automation
Course Contents	:	• Pneumatic system • Electro-pneumatic system • Mechanical power transmission system • Basic hydraulic and hydraulic control system • Hydraulic circuit and Electro-hydraulic • Programmable Logic Control (PLC) • Sensor & Instrumentation • Introduction to Micro-Controller
Training Methodology	:	• Theory Classes • Demonstration • Practice on machine • Daily evaluation • Motivational session
Evaluation System	:	• Participation in the session • Oral test • Written test • Evidence guides • Practical examination

10.5 CAD CAM Design and Programming (BEIOA-SICIP)

Name of the Trade	:	CAD CAM Design and Programming
Duration	:	360 Hours
Schedule	:	19 May'25 to 18 Sep'25, 20 Sep'25 to 06 Jan'26, 07 Jan'26 to 30 Apr'26
Nomination deadline	:	18 May 2025, 18 Sep 2025 and 05 Jan 2026
Number of Seats	:	20
Trade fee	:	Free
Target Group	:	Candidate having B. Sc./Diploma in engineering or equivalent. For technical experience, educational qualification might be compromised.
Course object	:	• To understand basic Mechanical Drawing • To know how to draw a part in CAD • To understand the principle of CNC Milling operations. • To know how to operate a CNC Milling machine. • To learn CNC Milling basic programming in CAM. • To know how to reduce machining time. • To design particular part and develop in machine. • To design product in software and cut in machine.
Course Contents	:	• Safety • Machine operating • Manual Programming with G&M codes • Mechanical Drawing • Solid works • Master CAM 2D programming • Master CAM 3D programming
Training Methodology	:	• Theory Classes • Demonstration • Practice on machine • Daily evaluation • Motivational session
Evaluation System	:	• Participation in the session • Oral test • Written test • Evidence guides • Practical examination

10.6 CNC Machine Operation (BEIOA-SICIP)

Name of the Course	:	CNC Machine Operation
Duration	:	360 Hours
Schedule	:	19 May'25 to 18 Sep'25, 20 Sep'25 to 06 Jan'26, 07 Jan'26 to 30 Apr'26
Nomination deadline	:	18 May 2025, 18 Sep 2025 and 05 Jan 2026
Number of Seates	:	20
Course fee	:	Free
Target Group	:	Candidate having B.Sc./Diploma in engineering or equivalent. For technical experience, educational qualification might be compromised.
Course object	:	• To understand basic Mechanical Drawing • To understand the principle of CNC Milling operations. • To understand the principle of CNC Lathe operations. • To know how to operate a CNC Milling machine. • To know how to operate a CNC Lathe machine • To learn CNC Milling basic programming. • To learn CNC Lathe basic programming. • To know how to reduce machining time. • To design particular part and cut that in machine.
Course Contents	:	• Safety • Machine operating • Manual programming with G&M codes • Mechanical Drawing • Solid works • Mastercam 2D programming • Mastercam 3D programming
Training Methodology	:	• Theory Classes • Demonstration • Practice on machine • Daily evaluation • Motivational session
Evaluation System	:	• Participation in the session • Oral test • Written test • Evidence guides • Practical examination

10.7 Certificate Course on Programmable Logic Controller (PLC) (BEIOA-SICIP)

Name of the Trade	:	Certificate Course on Programmable Logic Controller (PLC)
Duration	:	272 Hours
Schedule	:	19 May'25 to 18 Aug'25, 19 Aug'25 to 10 Nov'25, 11 Nov'25 to 02 Feb'26, 03 Feb'26 to 03 May'26
Nomination deadline	:	18 May 2025, 17 Aug 2025,10 Nov 2025 and 01 Feb 2026
Number of Seats	:	25
Trade fee	:	Free
Target Group	:	Candidate having B.Sc./Diploma in engineering or equivalent. For technical experience, educational qualification might be compromised.
Course object	:	• To understand the basic principle of PLC • To know the application of PLC • To know various sensors and actuator and its application. • To understand the industrial application of hydraulic and pneumatics. • To understand the application of Automation.
Course Contents	:	• Pneumatic system • Electro-pneumatic system • Mechanical power transmission system • Basic hydraulic and hydraulic control system • Hydraulic circuit and Electro-hydraulic • Programmable Logic Control (PLC) • Sensor & Instrumentation • Introduction to Micro-Controller
Training Methodology	:	• Theory Classes • Demonstration • Practice on machine • Daily evaluation • Motivational session
Evaluation System	:	• Participation in the session • Oral test • Written test • Evidence guides • Practical examination

11. INDUSTRIAL ATTACHMENT TECHNICAL TRAINING PROGRAM, BITAC- (Dhaka, Chattogram, Khulna, Bogura and Chandpur).

Name of the Trade	:	Industrial Attachment Technical Training Program
Duration	:	Depends on the participating Institute
Schedule	:	At any time of the year depending on the participating Institute
Nomination deadline	:	Depends on the participating Institute
Number of Seates	:	As per demand
Course fee	:	As per Govt. rule depending on the sending Institute
Target Group	:	All the public and private technical Universities, Polytechnic Institute, TTC etc.
Course Objects	:	• Introducing different conventional machine tools such as lathe, milling, grinding, planer, boring, shaper, shearing, drilling, ball press, power press etc and CNC & Servo Control machine tools such as lathe, milling center, die sink EDM, & wire cut EDM. • Comparing theoritical and practical operaton systems of different traditional and CNC machine tool to develop spare parts or products, • Acquainting with different melting and heat treatment furnaces and their operation system and also different surface treatment including protective coating; • To make adapted in real life situation • Understanding estimation and controlling production system. • Rendering practical know-how on plastic processing technology. • Introducing 3D printing operation.
Course Contents	:	• Welding and Fabrication • Conventional Machine Tool-lathe, milling grinder, planer, boring, shaper, shearing, drilling, ball press and power press machine etc. • CNC Machine Tool-lathe, milling, machining center & wire cut EDM. • Special Machine Tool-Copy milling, pantograph milling, profile grinder, jig Boring & jig Grinding, servo control die sink EDM • Tool and Cutter Grinding, • Light Forging, • Heat-Treatment • Patten, • Foundry
Training Methodolog	:	• Group discussion • Practical exercise • Case study.
Evaluation System	:	• Group exercise • Individual exercise • Discussion • Oral test • Overall performance.

2025

JULY 2025

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST 2025

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

SEPTEMBER 2025

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

OCTOBER 2025

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

NOVEMBER 2025

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

DECEMBER 2025

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

* 6 July (Ashura) Subject to appearance of the Moon * 16 August, Shuva Janmashtami * 5 September, Eid-e-Milad un-Nabi
* Subject to appearance of the Moon * 1-2 October, Durga Puja, Bijoya Dashami * 16 December, Victory Day * 25 December, Christmas Day

2026

JANUARY 2026

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

FEBRUARY 2026

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

MARCH 2026

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

APRIL 2026

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

MAY 2026

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

JUNE 2026

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

*15 February, Shab e-Barat * 21 February (Shaheed Day and International Mother Language Day) * 26 March, Independence Day * 28 March, Jumatul Bidah Laylat al-Qadr * 29-31 March, Eid ul-Fitr *1-2 April, Eid ul-Fitr Holiday *14 April, (Bengali New Year) *1 May (May Day) * 11 May, Buddha Purnima *5-10 June, Eid ul-Adha Holiday