



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## **List of Laboratory Equipment's**

**Name of Department: Civil Engineering**

### **INDEX**

<b>Sr. No.</b>	<b>Name of Laboratory</b>
1	Concrete Technology Lab
2	Transportation Engineering
3	Geotechnical Engineering Lab
4	Engineering Mechanics Lab
5	Environmental Engineering Lab
6	CAD Lab
7	Structural Dynamics
8	Surveying Lab
9	Hydraulics Lab
10	Strength of Material Lab

**Total No of Laboratory: 10**



National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**BIT MATERIAL TESTING LABORATORY, CIVIL  
ENGINEERING DEPARTMENT, BALLARPUR INSTITUTE  
OF TECHNOLOGY**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

MOUZA-BAMNI, BALLARPUR, CHANDRAPUR, MAHARASHTRA, INDIA

in the field of

**TESTING**

Certificate Number: TC-17442

Issue Date: 21/01/2026

Valid Until: 20/01/2030

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Entity: KRUSHI JEEVAN VIKAS PRATISHTHAN

Signed for and on behalf of NABL



Anita Rani  
Director

Dr. Ramanand N. Shukla  
Chief Executive Officer



# BALLARPUR INSTITUTE OF TECHNOLOGY





(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Sr. No	Name of the Laboratory	Lab / Major Equipment's	Photo
1	Concrete Technology Lab	Compaction factor apparatus Flow table Concrete mixture Cube mold 15cm Accelerated curing tank Flexural testing machine Concrete test hammer Vee bee consistometer Concrete permeability PH Meter Air Compressor Cube mold 15cm	
2	Transportation Engineering	C.B.R. Testing machine Mirror stereoscope Loss angeles abrasion test machine Flash and fire point apparatus Ductility testing machine	
3	Geotechnical Engineering Lab	Unconfined compression apparatus Direct shear apparatus Tri-axial shear test apparatus Vane shear test apparatus Falling head test apparatus	
4	Engineering Mechanics Lab	Fly wheel apparatus Coefficient of coil friction Coefficient of friction by 1) glass and wood 2) glass and leather Gear Trains Differential Axle & Wheel Single purchase crab	



# BALLARPUR INSTITUTE OF TECHNOLOGY



(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		Double purchase crab Weston's Differential pulley block Geared pulley block Law of Moment apparatus Universal Force table Apparatus Simply supported beam Reaction Apparatus Jib- crane apparatus	
5	Environmental Engineering Lab	Water Test Kit Digital oxygen meter Flocculator Electronic Balance Ph Meter Turbidity meter model JAR Test	
6	CAD Lab	DESKTOP (CPU) MONITOR KEYBOARD MOUSE LCD ROJECTOR PROJECTOR SCREEN HEAD PHONE ORAL TALK SOFTWARE UPDATED WITH ADDITIONAL LANG ORAL TALK SOFTWARE	
7	Structural Dynamics	Metacentric Height of ship model app. Verification of Bernoulli's theorem Venture meter test ring Orifice meter test ring Reynold apparatus recirculating Pelton wheel turbine test ring Reciprocating pump test ring	



# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		Centrifugal pump test ring	
8	Surveying Lab	Total station Measuring chain Ranging rod Open cross stop Levelling staff Prismatic compass Automatic level Plane table Dumpy level Vernier theodolite Digital planimeter	
9	Hydraulics Lab	Impact of jet on vanes Notches and weirs apparatus Pipe friction apparatus Losses in pipe fitting apparatus Velocity measurement by pitot tube Flow through orifice & mouthpiece apparatus Flow measurement by venturimeter apparatus Pneumatic Circuit traner basic Hydraulic circuit traner basic	
10	Strength of Material	Universal testing machine Impact testing machine Fatigue testing machine Torsion testing machine	



# BALLARPUR INSTITUTE OF TECHNOLOGY


(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		Spring testing machine	
		Compression testing machine	
		Digital Motorised Rockwell Cum Brinell HTM	
		Motorised Digital Spring Testing Machine	
		Fatigue Testing Machine	
		Computerised Universal Testing Machine	



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## **List of Laboratory Equipment's**

**Name of Department: Computer Science & Engineering**

### **INDEX**

<b>Sr. No</b>	<b>Name of the Laboratory</b>
1	Programming Lab-1
2	AI LAB
3	Networking & Programming Lab-II
4	Advanced Programming Lab-I
5	Advanced Programming Lab-II

<b>Total Number of Laboratory - 05</b>
--



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

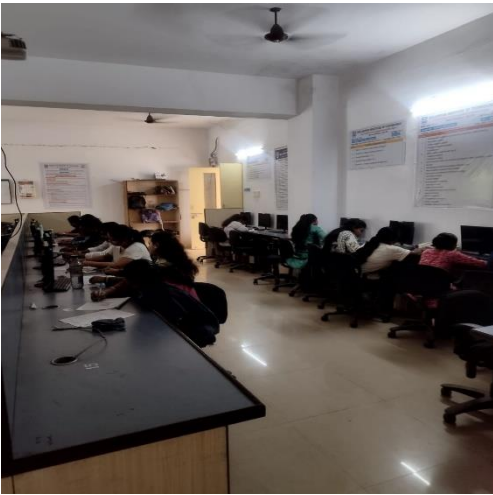


MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## Name of Department - Computer Science & Engineering

Sr. No.	Name of Lab	Equipments	Image
1	Programming Lab-1	<b>Computer System</b> Processor: Intel Core i7 RAM: 8GB Graphics Card: 2GB Storage:477GB Keyboard & Mouse: Standard USB Monitor: 17” / 21.5” LED OS: Windows 10 Pro	
		<b>Quantity:25</b>	
		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	
		<b>Quantity:2</b>	
2	AI LAB	<b>Computer System</b> Processor: Intel Core i5 10th Generation RAM: 8GB Graphics Card: 2GB OS: Windows 11 Pro SSD:512GB	
		<b>Quantity:50</b>	
		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	
		<b>Quantity:2</b>	
3	Networking & Programming Lab-II	<b>Computer System</b> Processor: Intel Core i7 Hard Disk:500GB HDD RAM: 8GB Graphics Card: 2GB OS: Windows 11 Pro SSD:512GB	
		<b>Quantity:25</b>	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	<b>Quantity:2</b>
4	Advanced Programming Lab-I	<b>Computer System</b> Processor: Intel Core i3 Hard Disk:500GB HDD RAM: 8GB Graphics Card: 2GB OS: Windows 10 Pro SSD:512GB	<b>Quantity:20</b>
		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	<b>Quantity:2</b>
5	Advanced Programming Lab-II	<b>Computer System</b> Processor: Intel Core i5 Hard Disk:500GB HDD RAM: 8GB Graphics Card: 2GB OS: Windows 10 Pro SSD:512GB	<b>Quantity:20</b>
		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	<b>Quantity:2</b>





**BALLARPUR INSTITUTE OF TECHNOLOGY**  
(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)  
MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

<b>Name of Department: Electrical Engineering</b>	
<b>Sr. No.</b>	<b>Name of Laboratory</b>
1	Basic Electrical Engineering
2	Netwrok Analysis
3	Electrical Measurement and Instrumentation
4	Electrical Machines Lab
5	Power Electronics Lab
6	Switchgear and Protection Lab
7	High Voltage Engineering Lab
8	M. Tech (EPS)- Lab Practices I & II
9	Electrical Workshop Lab
<b>Total Number of Laboratory -09</b>	



# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Name of Laboratory	Major Equipments	Photograph
<b>Basic Electrical Engineering</b> (Area: 68.70 sq.m.)	Kirchoff's laws kit (KVL&KCL), Superposition Theorem kit, Single phase 1 KVA Transformer 230/110V, single phase 2 KVA Transformer 230/110V, RLC Series Resonance circuit (SE 603), RLC Parallel Resonance CKT (SE 604)	
<b>Netwrok Analysis (Area: 68.70 sq.m.)</b>	Network theorem trainer I - model -NV-6509 Network theorem trainer II- model -NV-6510 RLC Series and parallel resonance trainer modle-NV-7009 kelvin Bridge Trainer Maxwell bridge trainer 8085 Microprocessor trainer De-sauty and schearing bridge trainer Two port network trainer modle-NV-6516 Measurement of Linear displacement using LVDT with digital display with terminals and patch cords & Manual Measurement of Strain using Strain Guage with digital display with terminals and patch cords & Manual characteristics of RTD With Patch cords & Manual Characteristics of Thermocouple With Patch cords & Manual Kirchoff's Voltage Law (KVL) with Digital Meters Kirchoff's Current Law (KCL) with Digital Meters Superposition Theorem for DC Circuit with Digital Meters Thevenin's Theorem for DC Circuit with Digital Meters Norton's Theorem for DC Circuit with Digital Meters Maximum Power Transfer Theorem for DC Circuit with Digital Meters Reciprocity Theorem for DC Circuit with Digital Meters RLC Series Resonance RLC Parallel Resonance DSO 50 MHz, 2 CH, coloured LCD 7" ,500 MS/s, USB+ software , Make OWON SDS 1052 or standard Single DC Power Supply 0-30V/0-2A with 2 Digital Meters	 



# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

<b>Electrical Measurement and Instrumentation</b> (Area: 68.70 sq.m.)	Determination of R, L, C by using LCR Q meter	
	Determination of unknown Resistance by Kelvin's Double Bridge.	
	Determination of unknown Resistance by Wheatstones Bridge.	
	Determination of unknown Inductance by Anderson Bridge.	
	Rheostat 1.5Amp, 100Ω, Toshniwal/Jepika Make	
	Single phase Wattmeter Portable 1 Element, 600 V, A.C. 5 Amp. AE make, accuracy class 1.0	
	Portable type Ammeter (0-5 Amp) AC, AE make , Class 1.0 Accuracy	
	Portable type Voltmeter (0-500 Volts) AC, AE make, Class 1.0 Accuracy	
	Portable type Wattmeter (0-5Amp, 250 Volt AC, Single Element type, AE Make, Class 1.0 Accuracy	
	Autotransformer 3- Phase, 8A by ME Input Voltage 415V AC, 50 Hz. Output 470V AC	
	Autotransformer Single phase (0 - 300V, 8A) by ME	
	3-Phase Autotransformer,input voltage 440,output voltage 0-470,10 amp,ME MAKE	
	Megger Digital Insulation Tester with patch cords and manual	
	Kelvins double bridge kits with terminals and patch cords & Manual	
	Wheatstone bridge kits with terminals and patch cords & Manual	
Mega ohm Bridge kits with terminals and patch cords & Manual		
Angular displacement measurement using potentiometer with terminals and patch cords		
Linear displacement measurement using potentiometer with terminals and patch cords		
D.C. Shunt Motor With Complete Panel		
D.C. Compound Generator With Complete Panel		
Induction Motor With Complete Panel.		
Load Rheostate 1 Phase, 230v 5 K.W.		
Load Rheostate 3 Phase, 230v 5 K.W.		
3 Phase Transffarmer With Complete Panel.		
Cummulative Compound Motor With Complete Panel		
D.C. Generator Separately Excited With Complete Panel		
3 Phase Induction Motor With Complete Panel		
D.C. Shunt Generator With Complete Panel		
Rectifier 120 A.		
3 Phase Alternator		



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)  
 MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Control Panel To Display & Note Various Parameters For 3 Phase Alternator Practicaais
D.C. Motor With Contorl Panel.
Turbo 2000 Set
3 Phase Synchronous Motor With Control Pannel
3 Phase Alternator
Control Panel To Display & Note Various Parameters For 3 Phase Alternator Practicaais
D.C. Motor With Contorl Panel.
Turbo 2000 Set
3 Phase Synchronous Motor With Control Pannel
5 Hp/220 V/1500 Rpm Dc Shunt Motor Coupled To 3 Kva/415 V/ 3 Phase/1500 Rpm Salient Pole Alternator Coupling
Synchronnising Pnel
Excitation Unit 2a/220v
3 Point Dc Starter 5 Hp/220v
1.5 Hp / 415 V Star Stator / 1410 Rpm / 50 Hz. / 415 V – Star Connected Wound Rotor / Three Phase Slipping Induction Motor With Mechanical Loading Arrangement Having Linear Scales And Friction Belt For Torque Measurement.
Control Panel With Mcb, Rotor Resistance Starter And Vfd For Above Motor
1 Hp / 230 V / 1440 Rpm / 50 Hz. / Cscr - Ir / Spdp / Single Phase / Sq. Cage Induction Motor With Mechanical Loading Arrangement Having Linear Scales And Friction Belt For Torque Measurement. With All Leads Brought Out For Connection Understanding And Provision To Observe Operation Of Centrifugal Switch. This Motor Can Run As Cscr And Csir Both Mode Of Operation.
Dol Starter
Single Phase / 10 A / Autotransformer ( Variac ) Input : 1 Phase / 230 V / 50 Hz. / Ac Output : 1 Phase / 0 – 250 V / 10 A Ac
Single Phase / 230 V / 22 A / 5 Kw / Air Cooled / Wire Wound Tubular Resistances Properly Housed In A Sheet Metal – Ss Mesh Enclosure / Resistive Load Controlled By Industrial Type Rotary Switches In 10 Steps. Complete With Caster Wheels For Easy Movement In Lab.
Three Phase / 415 V / 5 A Per Phase / Star Connected With All 6 Terminals Brought Out For 230 V Delta Connection / Air Cooled / Wire Wound Tubular Resistances Properly Housed In A Sheet Metal – Ss Mesh Enclosure / Resistive Load Controlled By Industrial Type Rotary Switches In 6 Steps. Complete With Caster Wheels For Easy Movement In Lab.





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

2 Hp / 220 V / 1500 Rpm / Dc Shunt Motor With Mechanical Loading Arrangement Having Round Dial Scales And Friction Belt For Torque Measurement.
3 Point Dc Starter
3 Point Starter Suitable For 7.5 Hp Dc Motor
4 Point Starter Suitable For 7.5 Hp Dc Motor
3-Phase Star-Star Connected Step Downtransformer 1 Kva
Isolation Transformer 1 Kva 220/220 V 1-Phase
Transformer 1-Phase 1 Kva Stepdown 220/110 V
Autotransformer Single Phase (0 - 300v, 8a) By Me

<b>Power Electronics Lab</b> (Area: 67.80 sq.m.)	Study of VI Characteristics of Given SCR
	Study of Static D.C. circuit Breaker using SCR determination of turn off SCR using STATIC Circuit backer circuit
	AC Phase control by triac
	Study of UJT synchronized puled Circuit for phase control application
	Study of Single Phase Half controlled bridge Converter
	Study of Jones Chopper
	Study of V - I Charterstics of Triac
	Study of Transfer & Output Characteristics of Power MOSFET
	Study of Transfer & Output Characteristics of IGBT
	Regulated DC power supply, 0-65V,0-1A with digital meter for measurement of voltage and current.
	Study of TRIAC characteritics with built in power supply
	Study of series inverter with built in power supply
	Study of parallel inverter with built in power supply
	UJT as a relaxation oscillation with built in power supply
	Study of step up/ step down chopper
	SCR Characteristics with Digital Meters With Patch cords & Manual
	MOSFET Characteristics with Digital Meters With Patch cords & Manual
	TRIAC Characteristics with Digital Meters With Patch cords & Manual
	SCR Snubber Circuit With Patch cords & Manual
	SCR Class A,B,C Commutation (Turn-Off) circuits
SCR Class D,E,F Commutation (Turn-Off) circuits	
SCR Single Phase (1Ø) Half Wave Full Controlled Rectifier with R & RL load with & without free wheeling Diode With Patch cords & Manual	
SCR Single Phase (1Ø) Full Wave Full Controlled Rectifier with R & RL load with & without free wheeling Diode With Patch cords & Manual	
SCR Full Wave Controlled Rectifier (Voltage Control) With Patch cords & Manual	





# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	SCR Full Bridge Inverter with R and RL Load With Patch cords & Manual	
	SCR Step Up Chopper With Patch cords & Manual	
	Single Phase SCR Cycloconverter (AC to AC Converter) With Patch cords & Manual	
<b>Switchgear and Protection Lab</b> (Area: 66.94 sq.m.)	Electromechanical over current relay (VPL 102A)	 
	To study the characteristics of three phase Differential relay:(microcontroller based)	
	Micro controller directional over current relay	
	Buchholz relay	
	Electromechanical over voltage relay (VPST-103A)	
	Micro controller based IDMT type over/under frequency relay study trainer (vpl-06)with dc interface	
	To study the characteristics of over/under voltage relay:(Numerical Type)	
	Digital to Analog Converter Trainer [TDAT-20]	
	Analog to Digital Converter using ADC 0804 [TADT-38]	
	Multiplexer & Demultiplexer [TMDT-42]	
	To study the characteristics of definite time reverse power relay:( microcontroller type)	
	simulation model for protection for 3-Phase Induction motor along with motor (Testing panel).	
	Numerical distance protection relay set as per quotation.	
	Model of Air Circuit Breaker (415V,AC/400 TO 800A)	
Switchgear Testing Kit		
Electromechanical Overcurrent Relay		
<b>High Voltage Engineering Lab</b>	Oil insulating test kit	
	AC/DC HV Test kit 100KV AC, CCAD/140KV DC, 50MA rectifier- filter, dividers, grounding switch, necessary interlock tripping circuit for flashover	
	Sphere gap apparatus 150mm-VER motorised with water resistor plus rod gap uniform, non uniform electrodes	
	Impuse generator 150KV, 225J, 5 stage with oscilloscope, with PC cable	
	Grounding rods	
Capacitance and tan delta test kit, calibrator box & cable set		






# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)  
 MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	Insulating Material strength testing apparatus for solid HV tester 5KV to 100KV with current capacity rate for 5KV/25mAmp AC/DC																										
<b>M. Tech (EPS)- Lab Practices I &amp; II</b>	Fluke -435 II, Advanced power quality																										
<b>Electrical Workshop Lab</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">Press</td></tr> <tr><td style="text-align: center;">Heater</td></tr> <tr><td style="text-align: center;">2 Way Switch</td></tr> <tr><td style="text-align: center;">Tester</td></tr> <tr><td style="text-align: center;">Screw Driver</td></tr> <tr><td style="text-align: center;">Choke</td></tr> <tr><td style="text-align: center;">Kitkat Fuse</td></tr> <tr><td style="text-align: center;">D.P. Main</td></tr> <tr><td style="text-align: center;">Switch</td></tr> <tr><td style="text-align: center;">Indicator</td></tr> <tr><td style="text-align: center;">Socket</td></tr> <tr><td style="text-align: center;">M.C.B.</td></tr> <tr><td style="text-align: center;">Wire</td></tr> <tr><td style="text-align: center;">Board 4*7</td></tr> <tr><td style="text-align: center;">Board 8*10</td></tr> <tr><td style="text-align: center;">Holder</td></tr> <tr><td style="text-align: center;">Capacitor</td></tr> <tr><td style="text-align: center;">Pliyer</td></tr> <tr><td style="text-align: center;">Tape</td></tr> <tr><td style="text-align: center;">Ceiling Fan Bush</td></tr> <tr><td style="text-align: center;">Tub Rod</td></tr> <tr><td style="text-align: center;">Halogen Complit</td></tr> <tr><td style="text-align: center;">Megger Digital 0-500V, 200Mohms, hand operated along with test probes by Nippen make</td></tr> <tr><td style="text-align: center;">Megger Digital 0-1000V, 200Mohms, hand operated along with test probes by Nippen make</td></tr> <tr><td style="text-align: center;">Earth tester analog hand operated along with test probes by Nippen make</td></tr> </table>	Press	Heater	2 Way Switch	Tester	Screw Driver	Choke	Kitkat Fuse	D.P. Main	Switch	Indicator	Socket	M.C.B.	Wire	Board 4*7	Board 8*10	Holder	Capacitor	Pliyer	Tape	Ceiling Fan Bush	Tub Rod	Halogen Complit	Megger Digital 0-500V, 200Mohms, hand operated along with test probes by Nippen make	Megger Digital 0-1000V, 200Mohms, hand operated along with test probes by Nippen make	Earth tester analog hand operated along with test probes by Nippen make	  
Press																											
Heater																											
2 Way Switch																											
Tester																											
Screw Driver																											
Choke																											
Kitkat Fuse																											
D.P. Main																											
Switch																											
Indicator																											
Socket																											
M.C.B.																											
Wire																											
Board 4*7																											
Board 8*10																											
Holder																											
Capacitor																											
Pliyer																											
Tape																											
Ceiling Fan Bush																											
Tub Rod																											
Halogen Complit																											
Megger Digital 0-500V, 200Mohms, hand operated along with test probes by Nippen make																											
Megger Digital 0-1000V, 200Mohms, hand operated along with test probes by Nippen make																											
Earth tester analog hand operated along with test probes by Nippen make																											



# BALLARPUR INSTITUTE OF TECHNOLOGY

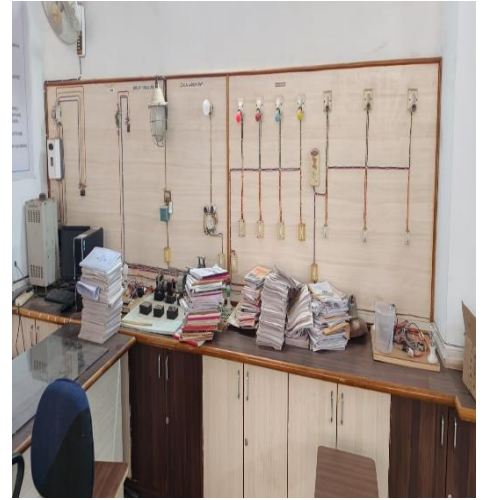
(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)  
MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Phase sequence indicator meter by ME 50V to 500V AC for 25 to 50Hz. Model : PSI 96-M, Size: 96*96 mm
Accessories for earth resistance tester.
Cables
E x I Stampings
Super Enamled Copeer wire
Isulation Steeves, 1 mm
Isulation Steeves, 2 mm
Isulation Steeves, 3 mm
Bobin for coils, 15 Sq.mm
Bobin for coils, 3 Sq.mm
Clamps, 15 No.
Soldering Wire, 25 W
Soldering Wire, 35 W
Soldering Wire, 50 W
Transformer insulation paper
Transformer insulation Warnish
Hardware Nut-Bolts
Coil winding Machine, Model no 157
terminal of Primary and secondary winding connection





# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## **List of Laboratory Equipment's Name of Department: Electronics & Telecommunication Engineering**

### **INDEX**

<b>Sr. No.</b>	<b>Name of the Laboratory</b>	<b>Page No</b>
<b>1.</b>	<b>Electronics Workshop Lab</b>	<b>1</b>
<b>2.</b>	<b>Electronic devices and circuits</b>	<b>1</b>
<b>3.</b>	<b>Digital Electronics</b>	<b>2</b>
<b>4.</b>	<b>Network Theory</b>	<b>2</b>
<b>5.</b>	<b>Signals &amp; Systems</b>	<b>3</b>
<b>6.</b>	<b>Digital Signal Processing</b>	<b>3</b>
<b>7.</b>	<b>Analog Communication</b>	<b>3</b>
<b>8.</b>	<b>Digital Communication</b>	<b>4</b>
<b>9.</b>	<b>Microprocessor &amp; Microcontroller</b>	<b>4</b>
<b>10.</b>	<b>Microwave Engineering</b>	<b>5</b>



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)


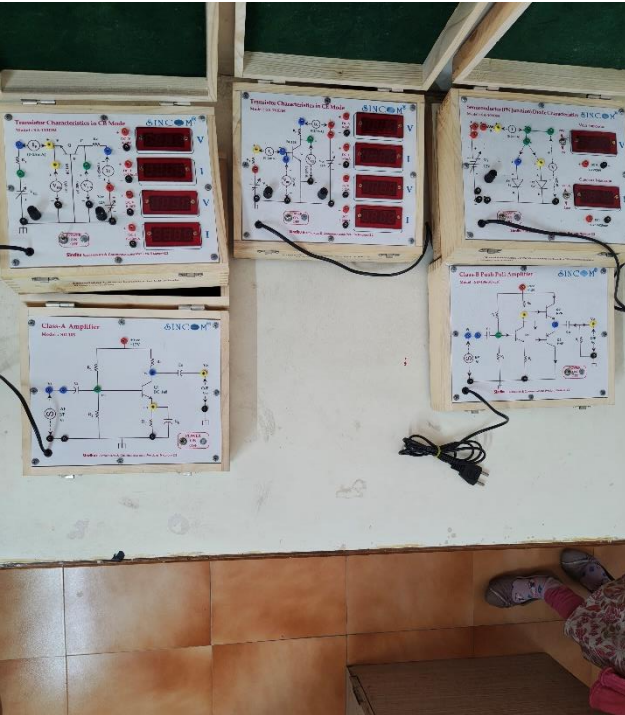
MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## No of Laboratory:

Room No	Name of the Laboratory	Lab / Major Equipment's	Photo
B-307	Electronics Workshop Lab	<ul style="list-style-type: none"> <li>• Photo Etch PCB etching machine</li> <li>• PCB Drilling machine</li> <li>• Digital Multimeter</li> <li>• DC Power supply</li> <li>• Oscilloscope</li> <li>• Analog Multimeter</li> <li>• Electric iron</li> </ul>	
B-102	Electronic devices and circuits	<p><b>Trainer Kits:</b></p> <ul style="list-style-type: none"> <li>• Diode Characteristics</li> <li>• Transistor Characteristics (CB)</li> <li>• Transistor Characteristics (CE)</li> <li>• Transistor Characteristics (CC)</li> <li>• FET Characteristics</li> <li>• Rectifier Circuit</li> <li>• Zener Voltage Regulator AB-31</li> <li>• Voltage Multiplier</li> <li>• MOSFET Characteristics</li> <li>• Analog Lab ST-2612</li> <li>• Common Base Configuration</li> <li>• Common Emitter Configuration</li> <li>• Common Collector Configuration</li> <li>• Analog Meter</li> <li>• Digital Multimeter</li> <li>• Digital Micro Ammeter</li> <li>• Voltmeter</li> </ul>	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		<ul style="list-style-type: none"> <li>• Regulated DC Power Supply</li> <li>• Analog Multimeter</li> <li>• Digital Multimeter</li> <li>• CRO</li> <li>• Function Generator</li> </ul>	
<b>B-205</b>	<b>Digital Electronics</b>	<p><b>Trainer Kits:</b></p> <ul style="list-style-type: none"> <li>• Logic Gates</li> <li>• Universal Gate NAND/NOR</li> <li>• DeMorgan's Theorem</li> <li>• Binary Adder-Subtractor</li> <li>• Encoder-Decoder</li> <li>• Multiplexer-Demultiplexer</li> <li>• Flip-Flop</li> <li>• Shift Register</li> <li>• 4-Bit Synchronous Binary Counter</li> <li>• Study of Seven Segment Decoder</li> <li>• 4-Bit Shift Register (Parallel In Serial Out)</li> </ul>	
<b>B-102</b>	<b>Network Theory</b>	<p><b>Trainer Kits:</b></p> <ul style="list-style-type: none"> <li>• Kirchoff's Voltage Law (KVL)</li> <li>• Kirchoff's Current Law (KCL)</li> <li>• Superposition Theorem for DC Circuit</li> <li>• Thevenin's Theorem for DC Circuit</li> <li>• Norton's Theorem for DC Circuit</li> <li>• Maximum Power Transfer Theorem for DC Circuit with Digital Meters</li> </ul>	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		<ul style="list-style-type: none"> <li>• Reciprocity Theorem for DC Circuit with Digital Meters</li> <li>• RLC Series Resonance</li> <li>• RLC Parallel Resonance</li> </ul>	
<b>B-207</b>	<b>Signals &amp; Systems</b>	<ul style="list-style-type: none"> <li>• MATLAB Software</li> <li>• GNU Octave (Open Source Software)</li> </ul>	
<b>B-205</b>	<b>Digital Signal Processing</b>	<ul style="list-style-type: none"> <li>• MATLAB Software</li> <li>• GNU Octave (Open Source Software)</li> <li>• Scilab</li> </ul>	
<b>B-302</b>	<b>Analog Communication</b>	<b>Trainer Kits:</b>	



# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		<ul style="list-style-type: none"> <li>• Modern Communication Trainer Kits</li> <li>• Kits for AM, FM, PM, PCM, ASK, FSK, PSK, TDM, etc.</li> <li>• Function Generators and Signal Generators</li> <li>• Digital Storage Oscilloscopes (DSO)</li> <li>• CRO (Cathode Ray Oscilloscopes)</li> </ul>	<p style="text-align: center;">Page 3</p>
<p style="text-align: center;"><b>B-302</b></p>	<p style="text-align: center;"><b>Digital Communication</b></p>	<p><b>Trainer Kits:</b></p> <p>Frequency Shift Keying Modulation &amp; Demodulation Kit.</p> <ul style="list-style-type: none"> <li>• Amplitude Shift Keying Modulation &amp; Demodulation Kit.</li> <li>• Phase Shift Keying Modulation &amp; Demodulation Kit.</li> <li>• Pulse Code Modulation &amp; Demodulation Kit.</li> <li>• Delta Modulation &amp; Demodulation</li> <li>• Adaptive Delta Modulation &amp; Demodulation</li> </ul>	
<p style="text-align: center;"><b>B-108</b></p>	<p style="text-align: center;"><b>Microprocessor &amp; Microcontroller</b></p>	<p><b>Trainer Kits:</b></p> <ul style="list-style-type: none"> <li>• 8085 Microprocessor Trainer Kit</li> <li>• Stepper Motor Study Card</li> <li>• Matrix Keyboard Interfacing</li> <li>• Stepper Motor Driver Card and Motor+FRC</li> <li>• Traffic Light Interface</li> <li>• Desktop Computer</li> <li>• Logitech Keyb.+ Mouse</li> <li>• DELL Monitor LCD</li> </ul>	 



# BALLARPUR INSTITUTE OF TECHNOLOGY


(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		<ul style="list-style-type: none"><li>• 8051 Microcontroller LCD Trainer kit</li><li>• IC07 Seven Segment Display Kit</li><li>• Logitech Keyb.+ Mouse</li></ul>	
<b>B-205</b>	<b>Microwave Engineering</b>	<ul style="list-style-type: none"><li>• Microwave Test Bench (8–12 GHz X-Band)</li><li>• Klystron Microwave Generator</li><li>• Gunn Power Supply</li><li>• VSWR Meter</li><li>• E-Plane Tee</li><li>• H-Plane Tee</li><li>• Directional Coupler</li><li>• Hybrid Tee</li><li>• Horn Antenna</li><li>• Dielectric Antenna</li></ul>	<p>Page 4</p> 



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

**Name of Department: Food Technology**

<b>Sr. No.</b>	<b>Name of the Laboratory</b>
1	Food Processing Laboratory
2	Food Microbiology Laboratory
3	Food Packaging Laboratory
4	Food Analysis Laboratory
5	Bakery and Confectionery Laboratory

**Total Number of Laboratory = 5**



# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Laboratory Name	Name of Equipment	Photo of Equipment
1. Food Processing Laboratory	Refrigerator	
	Tray dryer	
	Gas Cylinder System	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Weighing Balance



Air Fryer



Microwave Oven





# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	Mixer Grinder	
<b>2. Food Microbiology Laboratory</b>	Laminar air flow	
	BOD Incubator	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Colony counter



Autoclave



Bacteriological Incubator





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)  
MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Refrigerator



Compound microscope – 5



Binocular microscope – 2





# BALLARPUR INSTITUTE OF TECHNOLOGY



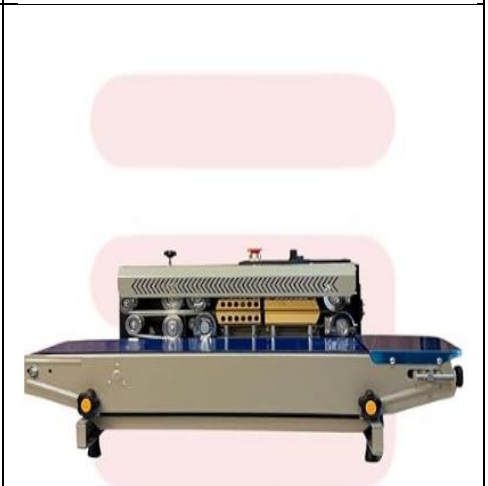
(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	pH Meter	 <p>Shot on OnePlus</p>
<b>3. Food Packaging Laboratory</b>	Hot Bar Type Hand Sealer Machine	
	Continuous Horizontal Band Sealer	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Sealer Machine for Vertical Packaging



Vacuum Sealer Machine Automatic Sealing



Vernier Caliper Brass





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Vernier Digital Caliper Stainless Steel



Thickness gauge



Digital Micrometer





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

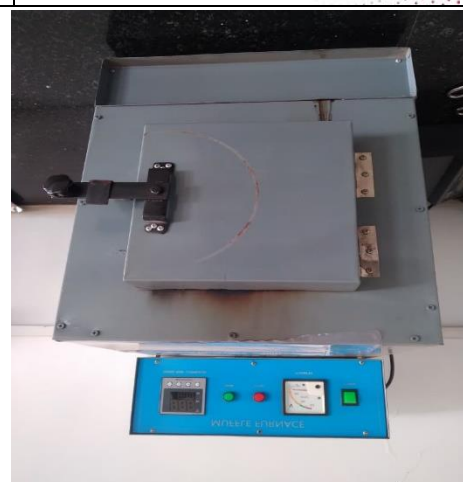
\*\*\*\*\*

Portable Cap Sealing for Plastic, PET & Glass Bottles



**4. Food Analysis Laboratory**

Muffle furnace



Hot air oven





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

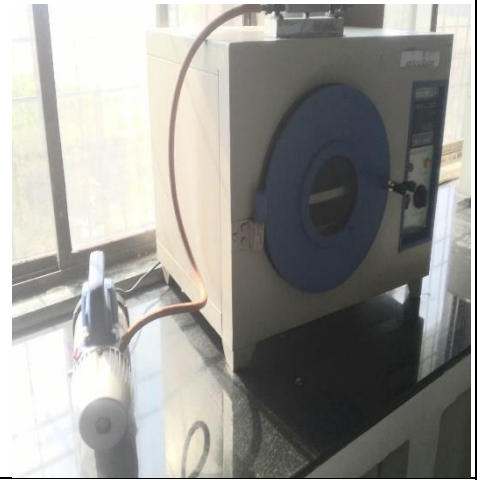
MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

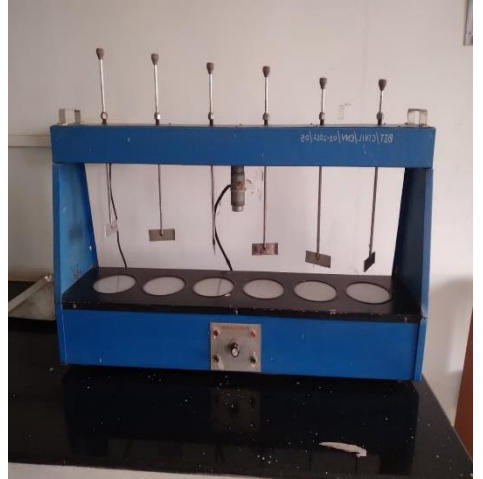
Vacuum oven



Hot water bath



Flocculator





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Incubator



Weighing balance



Kjeldahl Assembly





# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	Soxhlet Apparatus	
	Refractometer	
<b>5. Bakery and Confectionery Laboratory</b>	Deep freezer	



# BALLARPUR INSTITUTE OF TECHNOLOGY



(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	Planetary mixer	
	Refrigerator	
	Oven	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

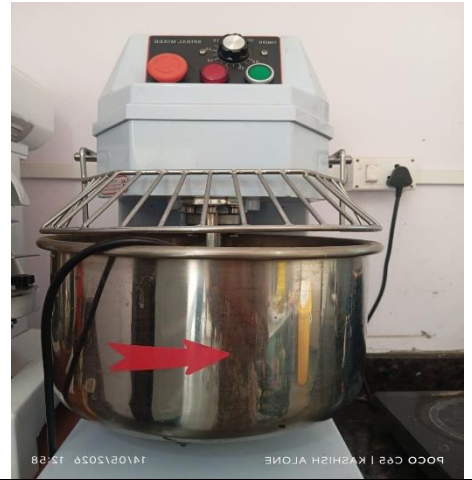
MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Dough mixer



Spiral dough mixer



Air Fryer





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Juiser automatic



Display freezer



Juiser manual





# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

INDUCTION



POCO C65 | KASHISH ALONE 14/08/2026 12:58

Gas Cylinder System





# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

<b>List of Laboratory Equipment's</b>	
<b>Name of Department: Mechanical Engineering Department</b>	
<b>INDEX</b>	
<b>Sr. No.</b>	<b>Name of Laboratory</b>
1	Theory of Machine Lab
2	Applied Thermodynamics Lab
3	Workshop Practice Lab
4	Machine Design Lab
5	Manufacturing Process Lab
6	Fluid Mechanics Lab
7	Mechatronics Lab
8	Strength of Material Lab
9	Advanced Internal Combustion Engine Lab
10	Heat Transfer Lab
11	Machine Drawing & CAD Lab
12	Material Science & Metallurgy Lab
<b>Total No of Laboratories: 12 Nos.</b>	



# BALLARPUR INSTITUTE OF TECHNOLOGY


(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)


MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701


Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
1	Theory of Machine Lab	98.64 Square Meter	Cam and Follower System	
			Dynamic Balancing of Rotating Mass System	
			Critical Speed of shaft	
			Gyroscope	
			Performance Charecteristics of Governors	
			Vibration lab Equipment	

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
2	Applied Thermodynamics Lab	100 Square Meter	Two Stage Reciprocating Compressor	
			Single Cylinder 4 stroke Petrol Engine with Rope Brake Dynamometer	
			Single Cylinder 4 stroke Diesel Engine with Rope Brake Dynamometer	
			Single Cylinder 2 stroke Petrol Engine with Rope Brake Dynamometer	

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
3	Workshop Practice Lab	204.56 Square Meter	Lathe Machines	
			Hi-cut Lathe Machines	
			Lathe Machines	
			Lathe Machines	
			Arc Welding Machine - 250 Amp.	
			Mig Welding Machine - 400 Amp.	
			Tig Welding Machine - 400 Amp.	
			Inverter welding Machine	
			Electrical Soldering Iron	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
			Bench Grinder	
			Lathe Machines Accessories (a) Steady rest (b) Follow rest (c) Rear tool post	
4	Machine Design Lab	67.50 Square Meter	CPU Core i-3 Processor RAM-4GB DDR3 RAM-4GB DDR3 HDD 500 GB (Hard disk) Cabinet with SMPS Motherboard Intel Keyboard, Optical Mouse Monitor Network switch Projector EPSON Graphic Card Graphic Card Graphic Card Autocad	
5	Manufacturing Process Lab	204.56 Square Meter	Lathe Machines Hi-cut Lathe Machines Lathe Machines Accessories (a) Steady rest (b) Follow rest ( c) Rear tool post Lathe Machines Lathe Machines Milling Machines	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)


MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701


Website: [www.bitedu.co.in](http://www.bitedu.co.in)


Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

			CNC Machines	
--	--	--	--------------	--

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
6	Fluid Mechanics Lab	132.98 Square Meter	Metacentric Height of ship model App.	
			Verification of Bernoullis Theorem	
			Venturimeter test rig	
			Orificemeter test rig	
			Reynold apparatus turbine test rig	
			Pelton wheel turbine test rig	
			Reciprocating pump test rig	
			Centrifugal pump test rig	

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
7	Mechatronics Lab	66 Square Meter	4061 Function Pulse Generator	
			803 channel four trace oscilloscop	
			ST 2117 Variable data Generator	
			ST 2201 AM Transmeter Trainer	
			ST 2202 AM Receiver Trainer	
			ST 2106 D/C Modulation Transmeter Trainer	

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
8	Strength of Material Lab	132.98 Square Meter	Universal Testing Machine	
			Mechanical Extensometre	
			shear test attachment	
			Impact testing machine	
			Fatigue testing machine	
			Torsion testing machine	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)


MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701


Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

			Spring testing machine
			Compression testing machine
			Digital Motorised Rockwell Cum Brinell HTM
			Motorised Digital Spring Testing Machine
			Fatigue Testing Machine
			Computerised Universal Testing Machine
			Thermo Hygrometer
			Digital Vernier Calliper

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
9	Advanced Internal Combustion Engine Lab	100 Square Meter	Two Stage Reciprocating Compressor Single Cylinder 4 stroke Petrol Engine with Rope Brake Dynamometer Single Cylinder 4 stroke Diesel Engine with Rope Brake Dynamometer Single Cylinder 2 stroke Petrol Engine with Rope Brake Dynamometer Multi Cylinder 4 Stroke Petrol Engine with Rope brake Dynamometer Multi Cylinder 4 Stroke Diesel Engine with Hydraulic Dynamometer	 <p>Ballarpur : 16 May 2026 at 2:42 pm</p>

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
10	Heat Transfer Lab	69 Square Meter	Heat Transfer Through Composite Wall Determination Of Thermal Conductivity Of Metal Bar Heat Transfer Through Pin Fin Apparatus Determination Of Stefan Boltzman Apparatus Heat Transfer In Natural Convection Apparatus Heat Transfer In Forced Convection Apparatus Emissivity Apparatus	



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)


MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701


Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

			Critical Heat Flux Apparatus
			Lagged Pipe Apparatus
			Heat Transfer In Insulating Powder
			Parallel / Counter Flow Heat Exchanger
			Shell & Tube Heat Exchanger
			Drop Wise /Film Wise Condention Apparatus

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
11	Machine Drawing & CAD Lab	67.50 Square Meter	CPU Core i-3 Processor	
			RAM-4GB DDR3	
			RAM-4GB DDR3	
			HDD 500 GB (Hard disk)	
			Cabinet with SMPS	
			Motherboard Intel	
			Keyboard, Optical Mouse	
			Monitor	
			Network switch	
			Projector EPSON	
			Graphic Card	
			Graphic Card	

Sr. No.	Name of the Laboratory	Area	Name of Equipments	Photo
12	Material Science & Metallurgy Lab	32.98 Square Meter	Digital Motorised Rockwell Cum Brinell HTM	
			Compression testing machine	
			Motorised Digital Spring Testing Machine	



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## **List of Laboratory Equipment's Department of Mining Engineering**

<b>Sr. No.</b>	<b>Name of the Laboratory</b>
<b>1</b>	Geology Laboratory
<b>2</b>	Rock Mechanics Laboratory
<b>3</b>	Mine Surveying Laboratory
<b>4</b>	Mine Machinery Laboratory
<b>5</b>	Mine Ventilation Laboratory
<b>6</b>	Fluid Mechanics Laboratory

<b>Total Number of Laboratory - 06</b>
--



# BALLARPUR INSTITUTE OF TECHNOLOGY




(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Name of the Laboratory	Area	Name of Equipments	Photo
Geology Laboratory	67.37 sq.m	Mineral samples	
		Rock samples.	
		Charts (30-inch x 42-inch, 24-inch x 35inch, A4 size)	
		Teak wood model (interior of earth, structural model).	
		Invertebrate fossil	
		Slides of rocks and minerals.	
		Steak plates.	
		Clinometer compass	
		Bruton Compass	
		Petrological Microscope	
Name of the Laboratory	Area	Name of Equipments	Photo
Rock Mechanics Laboratory	82.02 sq.m	Core drilling machine and drilling bit.	
		Core cutting and grinding machine.	
		Point load index tester.	
		Slake durability apparatus.	
		Brazilian test apparatus.	
Name of the Laboratory	Area	Name of Equipments	Photo
Mine Surveying Laboratory	67.37 sq.m	Prismatic compass.	
		Plane table with all accessories.	
		Dumpy level with stand.	
		Transit Vernier Theodolite.	
		Automatic level with stand.	



# BALLARPUR INSTITUTE OF TECHNOLOGY



(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

		Ranging rods.	
		Telescopic levelling staff.	
		Measuring tape.	
		Measuring chain	
		Optical Square	
		Arrow	
		Total Station	
Name of the Laboratory	Area	Name of Equipments	Photo
Mine Machinery Laboratory	81.62 sq.m	Colliery cables.	
		Haulage safety devices (Jazz rales, Tub rerailer, Drop Warwick.)	
		Direct rope haulage layout.	
		Endless rope haulage layout.	
		Main and tail rope haulage layout.	
		Mining wire rope model.	
		Model of belt conveyor.	
		Model of winding installation.	
		Model of pit top layout.	
Name of the Laboratory	Area	Name of Equipments	Photo
Mine Ventilation Laboratory	83.62 sq.m	Model of ventilation system in a board and pillar development panel.	
		Model of axial flow fan.	
		Model of centrifugal flow fan.	
		Velox GL50 Gas testing lab.	
		Methane gas chamber complete assemble.	



# BALLARPUR INSTITUTE OF TECHNOLOGY


(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

Name of the Laboratory	Area	Name of Equipments	Photo
Fluid Mechanics Laboratory	132.98 sq.m	Verification of Bernoullis Theorem	
		Venturimeter test rig	
		Orificemeter test rig	
		Reynold apparatus turbine test rig	
		Metacentric Height of ship model App.	



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## **List of Laboratory Equipment's**

**Name of Department: Science and Humanities**

<b>Sr. No.</b>	<b>Name of Laboratory</b>
1	Chemistry Lab
2	Physics Lab
3	Mechanics Lab
4	Language Lab

**Total No of Laboratory: 04**



# BALLARPUR INSTITUTE OF TECHNOLOGY










(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

SN	Lab Name	CHEMISTRY LAB EQUIPMENTS	PHOTO
1	Chemistry Lab	Abel flash point apparatus for oil Electrically heated with energy regulator with operating manual	   
2		Ammeter	
3		Battery Eliminator	
4		Conductivity meter	
5		Digital Top pan Balance (Electronic) by roy, Capacity 200 gm, Acc 0.01	
6		Distillation Assembly- complete 1000 ml flask, conc., condenser and adaptor Borosilicate	
7		Hot Air Oven	
8		Magnetic Strirer	
9		Muffle Furnace (Light weihgt ceramic fibre wool insulation Outer casing of mild steel working temp, 120C, Max up to 150 C, Size inside 9" x 4"x4", Rating, 1.5 kw-	
10		Ph. Meter Digi 0 to 14 PH	
11		Redwood Viscometer No.1 by electrically heated with oper. manual	
12		Rheostat	
13		Voltmeter	
1	Physics Lab	PN JUNCTION DIODE CHARACTERISTICS	 
2		ENERGY BAND GAP SET UP	
3		DIVERGENCE OF LASER BEAM SET UP	
4		NUMERICAL APERTURE OF AN OPTICAL FIBRE SET UP	
5		NEWTON'S RING APPARATUS SET UP	
6		MEASUREMENT OF THICKNESS OF WIRE USING AIR-WEDGE SET UP	
7		HALL EFFECT SET UP	
8		MULTIMETERS	
1	Mechanics Lab	Singal Purchase cab Apparatus	  
2		Double Purchase cab Apparatus	
3		Differential Axle Wheel Apparatus	
4		Simply Supported Beam Apparatus	
5		Jib - Crave Apparatus	
6		Cylindrical Metal Coller Apparatus	
7		Moment of Flywheel Apparatus	
8		Hook Hanger Of 500gm	
9		Hook Hanger Of 200gm	
10		Hook Hanger Of 100gm	
11		Slotted Weights of 50gm	
12		Slotted Weights of 100gm	
13		Fractional Weight box	



# BALLARPUR INSTITUTE OF TECHNOLOGY



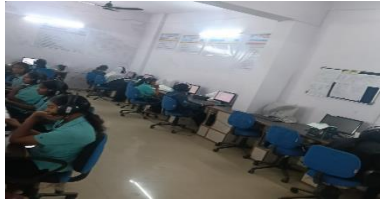
(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

14		Slotted Weight of 20 gm	
15		Slotted Weight of 10 gm	
1	<b>Language Lab</b>	Server	
2		Computers	
3		"ORELL" Software	



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

**Name of Department: Master of Computer Application**

<b>Sr. No</b>	<b>Name of the Laboratory</b>
1	Programming Lab-1
2	Networking & Programming Lab-II
3	Advanced Programming Lab-I

<b>Total Number of Laboratory - 03</b>
--



# BALLARPUR INSTITUTE OF TECHNOLOGY

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

## Department - Master of Computer Application

Sr. No.	Name of Lab	Equipments	Image
1	Programming Lab-1	<b>Computer System</b> Processor: Intel Core i7 RAM: 8GB Graphics Card: 2GB Graphics Card: 2GB Storage:477GB Keyboard & Mouse: Standard USB Monitor: 17” / 21.5” LED OS: Windows 10 Pro	
		<b>Quantity:25</b>	
		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	
2	Networking & Programming Lab-II	<b>Computer System</b> Processor: Intel Core i7 Hard Disk:500GB HDD RAM: 8GB Graphics Card: 2GB OS: Windows 11 Pro SSD:512GB	
		<b>Quantity:25</b>	
		<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)	
3	Advanced Programming Lab-I	<b>Computer System</b> Processor: Intel Core i3 Hard Disk:500GB HDD RAM: 8GB Graphics Card: 2GB OS: Windows 10 Pro SSD:512GB	
		<b>Quantity:20</b>	



# **BALLARPUR INSTITUTE OF TECHNOLOGY**

(Run By Krushi Jivan Vikas Prathisthan, Yenbodi, Reg. No. F - 294)

MOUZA – BAMNI, TAL. BALLARPUR, DIST. CHANDRAPUR – 442701

Website: [www.bitedu.co.in](http://www.bitedu.co.in)

Email: [bit.ballarpur@gmail.com](mailto:bit.ballarpur@gmail.com)

\*\*\*\*\*

	<b>Internet Connection</b> Switch (d-Link, 24Port, 10/100 Mbps)
	<b>Quantity:2</b>