

MANDATORY DISCLOSURES

Name of the Institution: GOVERNMENT POLYTECHNIC,
AMBALA CITY

Address: OPPOSITE CIVIL HOSPITAL,
NEAR BETI BACHO BETI PADHAO CHOWK,
AMBALA CITY

Telephone: 0171- 2556004, 2443222

Email: gpambala@hry.nic.in

Name of the Principal: DR. RAJIV KUMAR
Address: GOVT. POLYTECHNIC, AMBALA CITY
Mobile: 9416156009
Email ID: rajivsapra18@gmail.com

Name of the affiliating University:

STATE BOARD OF TECHNICAL EDUCATION, HARYANA

GOVERNANCE

Members of Academic Advisory Body:

1. SH. MUNISH GUPTA, CHAIRMAN
2. SH. ADISH BINDAL, MEMBER
3. SMT. PRITI SRIVASTAVA , MEMBER

Frequently of the Board Meeting and Academic Advisory Body:

- AT THE END OF EVERY SESSIONAL TEST

Grievance Redressal mechanism for Faculty, staff and students:

1. SH. MUNISH GUPTA, CHAIRMAN
2. SH. DHARAMVIR SAINI, MEMBER
3. SMT. PRITI SRIVASTAVA , MEMBER

Establishment of Anti Ragging Committee:

1. SH. SATVINDER KUMAR, CHAIRMAN
2. SH. PUSHPENDRA PRATAP SINGH, MEMBER
3. DR. SARTIA MANN
4. SH. SANDEEP GOEL, MEMBER
5. SH. RAM NIWAS, MEMBER
6. SH. KUSUM (GF), MEMBER

Establishment of Online Grievance Redressal Mechanism:

Govt. Polytechnic, Ambala City had procured Online Grievance Redressal in the session 2019-20 which is functional and hosted on the institute website.

Establishment of Internal Complaint Committee (ICC):

1. SH. SATVINDER KUMAR, CHAIRMAN
2. SH. PUSHPENDRA PRATAP SINGH, MEMBER
3. DR. SARTIA MANN
4. SH. SANDEEP GOEL, MEMBER
5. SH. RAM NIWAS, MEMBER
6. SH. KUSUM (GF), MEMBER

Establishment of Committee for SC/ ST:

1. SH. BHARAT BHUSHAN, CHAIRMAN
2. SH. ASHWANI BHARDWAJ, MEMBER.
3. SH. BALTAR SINGH, MEMBER

Internal Quality Assurance

1. SH. MUNISH GUPTA, CHAIRMAN
2. SH. ADISH BINDAL, MEMBER
3. SMT. PRITI SRIVASTAVA , MEMBER

Nature and Extent of involvement of Faculty and students in academic affairs/improvements

- The institute have constituted various committees involving faculty members who regularly keep the student community in loop, for academic affairs and improvements in the teaching-learning process.

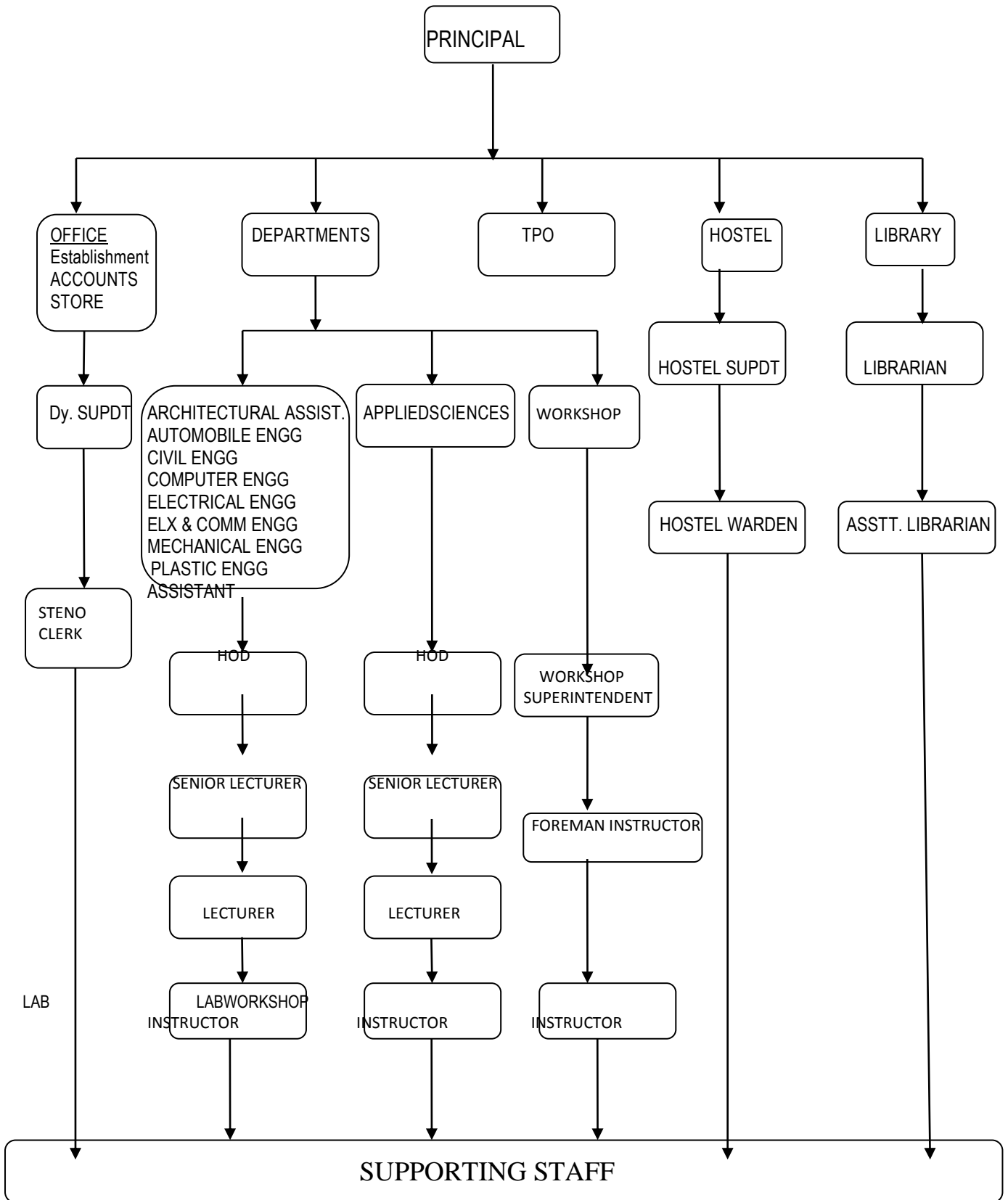
Mechanism/ Norms and Procedure for democratic/ good Governance

- The institute follows the guidelines issued by the Technical Education Department/ Govt. of Haryana from time to time, in true letter and spirit.

Student Feedback on Institutional Governance/ Faculty performance

- The feedback mechanism is implemented in the institute.

ORGANIZATION CHART



PROGRAMMES

Name of AICTE approved Programmes	Number of seats	Duration (years)	Cut off % marks/rank of admission during last three years								
			2020			2019			2018		
			SC	BC	GEN	SC	BC	GEN	SC	BC	GEN
Architecture Asstt	60	3	37.4	52.2	46	52.8	50	42.8	39.90	55.40	43.20
Automobile Engg	60	3	50	53	46	51	59	42	41.00	58.00	58.00
Civil Engg	120	3	51.17	49	55.5	57	51.8	47.4	58.00	55.00	59.40
Computer Engg	60	3	57.2	57.4	57.33	58.4	49.8	55.4	50.40	64.00	59.80
Electrical Engg	60	3	53	59	56.8	59.2	57.6	73.8	62.00	70.00	64.80
Eltx & Comm Engg	60	3	51	38.33	48	58	52.4	56.8	55.20	54.00	55.00
Mechanical Engg	120	3	53	57.8	57.8	41.4	59.4	45	58.00	62.00	66.00
Plastic Engg	60	3	50	40.33	46	45.8	43.2	41.6	48.00	40.20	39.00

Name of Programmes Accredited by AICTE:

- **No programme of this institute has been accredited by the NBA till date. However, the institute has applied for accreditation of Eltx & Comm Engg. and pre-qualifiers have already been submitted for the same.**

Status of Accreditation of the Courses:

- **Total number of Courses: 08**
- **No. of Courses for which applied for Accreditation: - 01 (Eltx & Comm Engg)**
- **Status of Accreditation–Pre-qualifiers for the Eltx & Comm Engg programme submitted.**

Name and duration of programme(s) having Twinning and Collaboration with Foreign University(s):

- **Not Applicable**

Faculty

Name of department: Architecture Asstt

List of Faculty Members:

HOD: Serebdeep Kaur
Lecturers: 1. Sunil Rai
2. Priyank Shori

Name of department: Automobile Engg

List of Faculty Members:

HOD: Vijay Singh
Lecturers: 1. Ravinder Singh
2. Raj Kumar
3. Navneet Gupta

Name of department: Civil Engg

List of Faculty Members:

HOD: Rajnish Garg
Sr.Lect: M.K.Garg
Lecturers: 1. Neeraj Kumar
2. Kavi Raj
3. Shish Pal

Name of department: Computer Engg

List of Faculty Members:

HOD: Munish Gupta
Lecturers: 1. Ajay Singh
2. Surender Kumar
3. Amrita Saini
4. Dharamvir Saini
5. Krishan Singh
6. Rakesh Gupta

Name of department: Electrical Engg

List of Faculty Members:

HOD: R.L Saini
Lecturers: 1. Sarika Sharma
2. Surinder
3. Monika
4. Poonam Saini

Name of department: Eltx & Comm Engg

List of Faculty Members:

HOD: Adish Bindal
Lecturers: 1. Inderjit Singh
2. Pankaj Oberoi
3. Ravinder Singh Punia
4. Sandeep Goel
5. Anju

Name of department: Mechanical Engg

List of Faculty Members:

HOD: FU Rehman
Sr.Lect: Subhash Chander
Lecturers: 1. Dev Suman Verma
2. Ram Niwas
3. Bharat Bhushan
4. Sanjeev Kumar
5. Hitesh Chawla
6. Ashwani Kumar
7. Jagjit Narang
8. Aditya Gupta

Name of department: Plastic Engg

List of Faculty Members:

HOD: Pankaj Garg
Lecturers: 1. Shiv Kumar
2. Sunil Kumar

Name of department: Applied Sciences

List of Faculty Members:

HOD: Praveen Mohan
Sr.Lect: Satvinder Kumar
Lecturers: 1. Pushpender Prtap Singh
2. Priti Srivastava
3. Sunita Rani
4. Sartia Mann
5. Deepti Gupta
6. Archana Sharma

Permanent Faculty: Student Ratio

1 : 25

❖ Number of Faculty employed and left during the last three years

Profile of Principal

i. Name:	Dr. Rajiv Kumar
ii. Date of Birth:	18.08.1967
iii. Unique id:	
iv. Education Qualifications:	M.Tech, MBA
v. Work Experience	
❖ Teaching	30 years
❖ Research	NA
❖ Industry	NA
❖ Others	NA
vi. Area of Specialization	Electronics & Comm. Engg.
vii. Courses taught at Diploma Level	
viii. Research guidance	NA
❖ No. of papers published in National/ International Journals/ Conferences	
❖ Master	
❖ Ph.D.	
ix. Projects Carried out	NA
x. Patents	NA
xi. Technology Transfer	NA
xii. Research Publications	NA
xiii. No. of Books published with details	10

Fee

Details of fee, as approved by State Fee Committee, for the Institution

Fee details

S.No.	Fee/Funds	Fee (Per Sem)	Remarks
1	Tuition Fee	Rs. 1500/-	
2	Development Charges	Rs. 750/-	
3	Security/Caution Money)	Rs. 1500/-	One Time & Refundable
4	Student Fund	Rs. 600/-	
5	Building Fund	Rs. 250/-	One time at the time of Admission only
Total fee to be paid at Admission Time		4600/-	

Time schedule for payment of fee for the entire programme:

- Twice an year

No. of Fee waivers granted with amount and name of students:

Sr. No.	Branch	No of Students	Amount of waver
1	Architecture Asstt	3	Rs. 1500 each
2	Automobile Engg	1	Rs. 1500 each
3	Civil Engg	2	Rs. 1500 each
4	Computer Engg	6	Rs. 1500 each
5	Electrical Engg	3	Rs. 1500 each
6	Eltx & Comm Engg	3	Rs. 1500 each
7	Mechanical Engg	2	Rs. 1500 each
8	Plastic Engg	6	Rs. 1500 each

Number of scholarship offered by the Institution, duration and amount:

Scholarship type	No of Students	Amount
S.C. Scholarship	97	792600
B.C Scholarship	45	103750
Merit Cum Mean	445	14,37,500
Minority	09	-
Dr. Ambedkar Labour Board Railway, Other	22	Student Direct deposite in respective department
Total	618	

Criteria for fee waivers/scholarship:

Tuition Fee Waiver (TFW) Scheme: Under Tuition Fee Waiver (TFW) Scheme of AICTE, seats up to maximum 5 percent of sanctioned intake per course shall be available in all institutions approved by AICTE. These seats shall be supernumerary in nature and will be available to such courses in an Institute where a minimum of 30% of sanctioned seats in the respective courses are filled up.

Estimated cost of Boarding and Lodging in Hostels:

- It ranges from Rs. 2250/- to Rs. 2500/- p.m. for each student approximately.

Admission Procedure

Number of seats sanctioned with the year of approval:

Program Name	Intake Capacity	Year of Commencement
Architecture Asstt	60	1982
Automobile Engg.	60	1963
Civil Engg.	120	1958
Computer Engg.	60	2006
Electrical Engg.	60	1958
Eltx. & Comm. Engg.	60	1988
Mechanical Engg.	120	1958
Plastic Technology	60	1997

Number of Students admitted under various categories each year in the last three years:

CATEGORYWISE ADMISSION (YEAR 2020-21)

BRANCH	SC	BC	HR	AIO	FF	EWS	TFW	PH	ESM	KM	TOTAL
Architecture Asstt	11	17	26	2	0	0	1	0	0	0	52
Automobile Engg.	9	21	17	10	0	0	3	0	0	0	56
Civil Engg.	35	43	36	4	0	2	5	1	1	0	112
Computer Engg.	8	25	25	2	0	0	3	0	1	0	54
Electrical Engg.	16	22	19	2	0	1	3	3	0	0	57
Eltx. & Comm. Engg.	9	19	27	4	0	0	3	1	0	0	51
Mechanical Engg.	22	50	45	7	0	4	6	0	1	0	117
Plastic Technology	3	12	10	7	0	0	1	0	0	0	44

CATEGORYWISE ADMISSION (YEAR 2019-20)

BRANCH	SC	BC	H R	AI O	F F	EW S	TF W	P H	ES M	K M	TOTA L
Architecture Asstt	9	27	13	9	0	0	0	0	0	0	58
Automobile Engg.	9	21	19	12	0	0	2	0	1	0	64
Civil Engg.	26	48	23	24	0	1	6	0	0	0	128
Computer Engg.	11	21	21	9	0	3	3	1	0	0	69
Electrical Engg.	15	25	7	11	0	2	3	1	1	0	65
Eltx. & Comm.	7	15	22	16	0	1	3	0	0	0	64
Mechanical Engg.	21	48	34	18	0	9	6	0	0	0	136
Plastic Technology	6	12	13	10	0	0	1	0	0	0	42

CATEGORYWISE ADMISSION (YEAR 2018-19)

BRANCH	SC	B C	H R	AIO	F F	ESM	PH	EWS	TFW	K M	Total
Architecture Asstt	11	15	27	7	0	0	0	0	2	0	62
Automobile Engg.	8	15	27	10	0	0	0	0	2	0	62
Civil Engg.	23	41	49	8	0	0	0	0	3	0	124
Computer Engg.	13	27	17	1	0	1	1	0	3	0	63
Electrical Engg.	12	23	17	8	0	0	0	0	2	0	62
Eltx. & Comm. Engg.	12	13	28	5	0	0	1	0	2	0	62
Mechanical Engg.	25	50	39	6	0	0	0	0	6	0	126
Plastic Technology	11	14	13	8	0	0	0	0	2	0	48

Number of applications received during last two years for admission under Management Quota and number admitted

- NOT APPLICABLE

Eligibility for taking Admission

Course Name	Eligibility	Basis of Admission	Date of Online-Application
Diploma Engineering (Three Years)	Passed 10th Std/ SSC Examination with 35% marks (33% for SC/ST/ KM Category). Compulsory pass in Maths and Science	Inter-se-Merit of Qualifying Exam	16.06.2021 to 10.08.2021
Diploma Engg Lateral Entry (Two Years)	10+2 or 2 years ITI	Rank of online Lateral Entry diploma Entrance Test conducted by HSTES	17.06.2021 to 12.08.2021

How to Apply for Admission

Process for applying for admission to Diploma Courses is ONLINE through the website www.onlinetesthry.gov.in.

Mention the admission test being followed, name and address of the Test Agency and its URL(website):

www.onlinetesthry.gov.in and www.hstes.org.in

Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (Stateconducted test/ University tests/ CMAT/ GPAT)/ Association conducted test):

- NOT APPLICABLE

Calendar for admission against Management/vacant seats:

- NOT APPLICABLE

Criteria and Weightages for Admission

- The information is provided at www.onlinetesthry.gov.in and www.hstes.org.in

List of Applicants

- The information is provided at www.onlinetesthry.gov.in and www.hstes.org.in

Results of Admission Under Management seats/Vacant seats

- NOT APPLICABLE

Information of Infrastructure and Other Resources Available

Number of Class Rooms and size of each

S. N.	Room No.	Room Type	Size (Sqm)
1	A-12	Classroom	99.6
2	A-4	Classroom	98
3	L-13	Classroom	198.01
4	L-20	Classroom	69
5	L-21	Classroom	69
6	L-4	Classroom	83.33
7	L-5	Classroom	192
8	L13	Classroom	198

9	LEC AU	Classroom	84.75
10	P-2	Classroom	61
11	S-1	Classroom	99.22
12	S- 101	Classroom	98.55
13	S- 102	Classroom	97.51
14	S-2	Classroom	99.22
15	S- 201	Classroom	98.3
16	S- 202	Classroom	98.65
17	S-3	Classroom	99.22
18	S-4	Classroom	99.22
19	SMRT	Classroom	136
20	W-22	Classroom	62

Number of Tutorial rooms and size of each

S. N.	Room No.	Room Type	Size (Sqm)
1	AD- 11	Tutorial Room	69.6
2	L-1	Tutorial Room	59.7
3	L-2	Tutorial Room	59.7
4	L-3	Tutorial Room	59.7
5	P-1	Tutorial Room	61
6	W-21	Tutorial Room	67

Number of Laboratories and size of each

S. N.	Room No.	Room Type	Size (Sqm)
1	AD MP	Laboratory	116.5
2	ADV MP	Laboratory	68.4
3	AE	Laboratory	97.9
4	CHA SIS	Laboratory	342.6
5	CHE M	Laboratory	96.3
6	COM M.	Laboratory	91.63
7	COM M1	Laboratory	98.6
8	CT LAB	Laboratory	68.06
9	ELT X L	Laboratory	68
10	EM	Laboratory	65.3
11	EMC S	Laboratory	238
12	EMM	Laboratory	96
13	ENG INE	Laboratory	193.5
14	EW SHP	Laboratory	65
15	FLUI D	Laboratory	127.46
16	HGH WAY	Laboratory	68.6
17	LAN G L	Laboratory	126.5
18	MM	Laboratory	98.55
19	MP	Laboratory	59
20	O/S	Laboratory	97.51
21	PHY	Laboratory	86.3
22	S/W- 1	Laboratory	102.56
23	S/W- 2	Laboratory	46.64
24	S/W- 4	Laboratory	102.56

25	SOIL	Laboratory	78.28
26	SURVEY	Laboratory	62.72
27	WIRING	Laboratory	58.5

Number of Drawing Halls with capacity of each

S. N.	Room No.	Room Type	Size (Sqm)
1	D-14	Drawing Hall	62
2	D-15	Drawing Hall	158.3
3	D-16	Drawing Hall	62
4	DRG AU	Drawing Hall	91
5	DRG CIV	Drawing Hall	67

Number of Computer Centres with capacity of each

S. N.	Room No.	Room Type	Size (Sqm)
1	CEGO Computer Lab	Computer Centre	119
2	Arch. Computer Lab	Computer Centre	37.16
3	Auto Computer Lab	Computer Centre	27.87
4	Civil Computer Lab	Computer Centre	33.44
5	ECE Computer Lab	Computer Centre	100.33
6	Elect Computer Lab	Computer Centre	97.90
7	CAD (Mech) Computer Lab	Computer Centre	83.60
8	Plastic Computer Lab	Computer Centre	83.61

Central Examination Facility, Number of rooms and capacity of each

S. N.	Room No.	Room Type	Size (Sqm)
1	EXAM	Exam Control Office	32.12

Barrier Free Built Environment for disabled and elderly persons

- The institute has two separate hostels for Boys & Girls, namely

Occupancy Certificate

- Ours being an old institute, the competent authority has issued Structural Stability Certificate.

Fire and Safety Certificate

- The process of installing Fire Extinguishers is under progress and Fire & Safety Certificate will be obtained shortly.

Hostel Facilities

- The institute has two separate hostels for Boys & Girls, namely –
 1. Swami Vivekanand Hostel (for Boys) with a capacity of 500 appx.
 2. Indira Gandhi Hostel (for Girls) with a capacity of 90 appx.

Library

Number of Titles: **11438**

Number of Volumes: **56317**

Number of Journals: **30**
(Published in India)

Laboratory and Workshop

List of Major Equipment/Facilities in each Laboratory/ Workshop:

Name of Course - Architecture Assistantship		
S. N.	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	Comp. Lab	Computer Systems
2	Comp. Lab	Plotter
Name of Course - Automobile Engineering		
Sr. No.	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	Automobile Workshop	General Tools
		Special Tools And Gauges
		Layout Of Chassis
		Components In Layout Of Chassis
		Tyre Pressure Gauge
		Puncture Kit
		Two Wheelers
		Radiators And Fan Belts Engine
2	AUTO ENGINES – II	Fuel Injection Pump
		Fuel Injector
		Altenator
		Starter Motor Growler
		Calibration Machines (Fip)
		Exhaust Gas Analyser
		Smoke Meter Crdi Engine
		Engine Valves And Valves Machenisum
		Mock Up Wiring Board
		Head Light
		Horn, Relay, Dipper Switch, Indicator Circuits
3	CHASSIS, BODY AND TANSMISSION - II	Coil Spring Type Suspension
		Leaf Spring Type Suspension
		Shock Absorber
		Tyre Changer

		Mechanical Brakes
		Drum Brake Assembly
		Hydraulic Brakes, Disc Brakes
		Wheel Balancing Machine
		Body Repair Kit
4	DRIVING PRACTICE	Maruti
		Van
Name of Course - Civil Engg		
Sr No	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	BC Lab	Model of culvert
		Model of Flying Shore
		Model of Raking Shore
		Model of Pile with shoe
		Model of king post-tros
		Model of braced & ledged door
		model of syphon aqueduct
		Model of aqueduct
		Model of fish ladder
		Model of Partition wall
		Model of open well stair
		Model of ventilated door
		Model of Bifurcated stair
		Model of roof
		Model of canal drop
		Model of Model of Brick layer scal folding
		Model of gravits dam
		Model of super passage
		Model of stone Arch bridge
		Model of double built Arch
Model of skew Arch		
Model of single laid Arch		
Model of relieving Arch		
Model of double built Arch		
2	CM Lab	Aluminium pot with cover
		Barangers balance without weight
		Brass stove
		cleaning brush
		cleaning wire brush
		collection of coal 15 piece 1 set
		cube mould size 2.78
		digital weighing balance
		Enamel tray
		Glass thermometer
		Grinding machine

		Iron ball for Impact test
		Le-Chattelier Apparatus
		Masonary Errection Tool
		Measuring jar 1000ml & 500 ml
		Plastic measuring cylinder 1000, 500, 100ml
		Plier 6"
		Scoop steel 7" length
		set of 9 Nos weight 10gm to 500gm
		Standard collection of mineral
		Standard collection of Rock in card board care
		Steel foot role
		Stone sample
		Wooden Sample
		Temp. Starmake elecric oven
		Test Sieve brass 20 dia
		Tri. Square 1'X2'
		Trowel 5½ X 4¼
		Trowel 4"X2¼
		Vibrating Machine
		Vicat needle Apparatus
		Vicale needle Appartus
		Water tub (Iron)
3	CT Lab	Bar bending cutter
		Barnger Balance 1 kg
		Barnger Balance 5kg
		Beam balance 20 kg
		Beam mould 15X15X70cm
		Brass stove
		Brignette Mould
		Brignette Mould
		Brignette Mould
		Brush (Iron)
		Brush Sieve Cleaning
		cement Brienette testing machine
		cement concrete mixture
		compaction factor App
		compression testing (Hydraulic)
		cube mould 6 "
		cube mould 4"
		cylinder Iron '6*12'
		cylender Mould 6" dia 12" h with lid
		cylender Mould 6" dia 12" h without lid
		Cylender Sheet Iron 12 dia 12h
		Digital weighting balance 15 kg capacity
		Electric Oven

		Enamel Tray
		Flakiness Index Gauge
		Flakiness Index Gauge
		Gaugeing Trawel 514
		Hot Plate 200 W X 18" dia
		Iron Sheet 8' X 4' X 1/8"
		Le-chataliee Flask
		Le-chatalier Mould
		Length Gauge
		Length Gauge
		Liquid Limit Device
		Measuring steel rule
		Needle Vibrater
		Pen Thermometer
		Portable platform where capacity 500 kg (30"X30")
		Proctor mould
		Rammers
		Rebound Hammer
		Refiller
		Riffle Sampler
		Scoop steel
		Sieve shaker
		Slump test App.
		Slump test App.
		split spin sample
		Test sieve brass set
		Steel hot plate 4'X4'X2mm
		taslas
		test sieve brass set
		Test sieve Aluminium set
		Trawel
		Vibrating table
		Vicat needle App.
		Vicat needle App.
		Vicat needle App.
4	SFE Lab	Liquid limit device
		Barranger balance 10kg
		Beam mould
		Bulk density Appratus (Sand replacement)
		Bulk density (core cutter)
		Compression testing machine
		Concrete cube mould
		Dynamic cone
		Consolidation test appratus
		Consalidation test appratus

		DBD Appartus (Dry Bulk Denisity)
		Direct shear appratus
		Electronic balance
		Electronic Direct Shear test
		Motor used LL App.
		Permeability App
		Post hole Auger
		Proctor Needle App.
		S.P.T App
		Sampling tubes extractors
		Sieve Shaker
		Sieve Set of size 80mm to 4.75mm
		Triaxial testing Machine
		Cone with case hardening
		Sieve brass 90 Micron
		Table Pan balance
		Sieve set of 80mm to 75 μ
5	CACE Lab	Computer system, Dell optiplex Intel core I5 processor, 4GB RAM, 500 GB HDD, DVD R/W, optical mouse, keyboard 18.5" LED, window 7
		5KVA online UPS system with 16x65 AH battery & rack
		HPLJ1536 DNF Printer
6	FM Lab	Ultra sonic Pulse Velocity Appartus
		Cut section Model
		Force of Jet Apparatas
		Hydranlic Bench fitted fitted with U-tube complete set
		Vernier Calliper
		Lettering set
		Pipe wrench, pliers
		Model-Reciprocating, Model water pump & Hydraulic ram
		A) Screw wrench, ,
		B) spanner screw
		C) screw driver
7	HE Lab	Aggregate Impact value machine
		Biturmen penometer
		Biturmen thermometer
		Density Baskeet
		Deculity testing M/C
		Flash point & flash point Appartas
		Hot plate with regulator
		Pentration value Appartas
		Ring & Ball Appartas
		Loss Angle Abression M/C
		Ring Ball Appartas
8	WSWWE Lab	Aqua Guard Filter & Purificator (Dimension 360X100X300mm Gross Weight 6kg

		Aqua online water Purificator
		B.O.D. Incubator Capacity 6.0 Cubic ft(450X450X600mm)
		B.S.W. Die set (size 1/4", 5/6", 3/8", 7/16", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2")
		Bacteriological Incubator Chamber size 4000x380X700mm double door, temp. 30 to 70°C
		Ball Pane Hammer
		Blow Lamp
		Chisel
		Cross pane Hammer
		Digital PH Meter range 0-14 PH
		Electronics Precision & Counting Balance (3Kg/0.1gm)
		Elico Digital Water Quantity Analyser
		Hacksaw Fram
		Hand Shawel
		Jar set Apparatus
		Lead Caulking Tool
		Noice Level Tester
		Pipe Bending Machine
		Pipe Die Set (1/4"to 2")
		Pipe Die Set (1/2" to 1")
		Pipe Die (1/2" to 1")
		Pipe Die Set (1/4" to 2")
		Pipe wrench 10"
		Pipe wrench 10"
		pipe wrench 12"
		pipe wrench 12"
		pipe wrench 14"
		pipe wrench 14"
		pipe wrench 18"
		pipe wrench 18"
		pipe wrench 24"
		Pipe vice 3"
		Pipe vice 3"
		Plumbert tool kit
		Ratched type Die (1/2 to 2)
		Screw Drivers 3"
		Sprit Level
		Spun Yarn Caulking tools
		Steel Footrule 12"
		Turbidity meter digital
		Thermo meter long size
		Viscosity Appartas
		Water Analysis kit
		waste water multiper meter system (BOD & COD, Refrigreation Incubation 3-50°C

Name of Course - Comp Engg		
Sr No	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	Software Lab 4	Computer System(i5) with 500GB Hard Disk,
		4GB RAM with TFT , KB,Mouse
		Online Ups 5KVA with 12 V, 26 Ah 16 No. Batteries
		Wall Mounting Switch Rack
		24 Ports Ethernet
		Non Manageable switch
		HP LaserJet Printer 1566
		DLP Multimedia Projector (Dell 4210X) 3500 Lumens
2	Soft Lab1	HCL Intel Duo Core 2GB RAM,300GB HDD with TFT, KB and Mouse
		5 KVA UPS With 30 nos of 28 Ah batteries
		A.C. 1.5 ton Window type LG make with Stabilizer
		HP Scanner 2400
		Wireless Router(54 mbps)
		24 Port Unmanaged Ethernet Switch
3	Software Lab-3	Server System 2.4 GHz HCL P-IV, 512 MB RAM, 40 GB HDD, DVD R, CD RW, MONITOR HCL MAKE, KB AND MOUSE
		Networking Printer Server Hub 8 PORT
		VGA to PAL Converter
		VGA SPLITTER
		Switch 16-port Unmanaged
		Head Phone Millenium
		Screw Driver
		Nose Plier
		HDD Sata 80 GB
		Mother board 815 WIP
		HP Compaq Laptop
		Computer System intel corel i7 processor 4GB ddr3 RAM 1TB Sata HDD 20" LED Display
		UPS (1 KVA)
		USB Finger print Scanner used in AEBAS system
		Computer System P-III 450 MHz,32 MB RAM, 4GB HDD, monitor hcl make, kb and mouse
		Computer System P-III 450 MHz,32 MB RAM, 4GB HDD, monitor hcl make, kb and mouse
		Computer System P-IV 1.5 GHz,512 MB RAM, 40GB HDD, MONITOR HCL MAKE, KB AND MOUSE
		CVT (1KVA)
		Laser Printer 8PE
		UPS (1 KVA)
DMPrinter Wipro LX800		
UPS (625 VA)		

		UPS(1 KVA)
		Laser Printer HP710C
4	Software Lab-2	Oracle 10g St. edition 5 user(01)
		Oracle 10 g St. edition media kit(01)
		Windows A.C (1.5 TON) 1 NO. Videocon Make and 1 No. LG Make (Total 02 No.)
		Digital Trainer kit
		Microprocessor 8086 kit
		Microprocessor 8085 kit
		DVD writer
		Voltage Stablizer 4 KV
		Computer System i5 500GB HDD, 4GB RAM, TFT MONITOR, KB AND MOUSE
		Dell 3010 intel core i3 processor, 4GB RAM,500GB HDD, DVD RW, TFT 18.5
		Computer Set Accer (Black) P-IV 80GB HDD, 512 MB RAM, DVD R, ACCER COLOR MONITOR
		Computer Set HCL(white) P-IV 80GB HDD, RAM 512 MB, DVD R, COLOR MONITOR
		Laser Printer HP 1022
		Screw Driver Set
		Combination Plier
		Long Nose Plier
		UPS of 5KVA(Online)with 100 Ah (14 No. Of batteries)
		Voltage Stablizer 4 KV
		UPS OFFLINE (Small) 700VA
		Color Monitor HCL MAKE (CRT)

Name of Course - Electronics & Communication Engineering

Sr No	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	Adv.Comm Lab/Insturmentation	M driven LPF
		Oscilloscope
		Bread Boards
		Multiple output power supply
		Digital Multimeter
		Power Supply
		Audio Signal Generator
		RF Output Power Meter
		AF Output Power Meter
		Diffrent Types of Filters
		CRO 20 Mhz
		Pulse Generator
		Frequency Counter
		Telecommunication Trainer
		Audio Test System
		Verification of Network Theorem

Distortion & Level Meter
Field Strength Meter
Ammeter 100mA, 1mA
Function Generator
PAM, PWM, PPM MOD/DEModulator
Delta Modulator & Demodulator
WorkStation
PCM Trainer
Laser Trainer
Transmission Line Trainer
FM Transmitter & Receiver Trainer
Antenna Trainer
Function Generator
CRO
Laser Trainer
PAM, PWM, PPM MOD/DEModulator
160 GB Hard Disk
Processor Dual Core
DVD Writer
Mother Board
ATX Cabinet
Capacitive Pick up Angular Displacement
LDR Characteristics
Photo Transistor Characteristics
Photo Cell Characteristics
Thermistor Characteristics
Thermocouple Trainer Kit
Pressure Measurement using Strain Gauge
Study of LVDT Trainer Kit
Fiber Optic Trainer
Load Cell
Sound Level Meter
Measurement of Humidity using Humidity Controller
Measurement of Flow Rate using Flow sensors
Electric Kettle
DSO
Fiber Optic Comm. System
Fiber Optic Source & Detector
QPSK/DQPSK Mod. Kit
Fiber Optical Power Meter
Fiber Connector & SPLICE Kit
Digital Comm. System
BPSK/DPSK/DEPSK MOD/DEMOD Kit
Digital Multimeter
Digital Multimeter

		3 digit
		Function Generator
		3 Mhz
2	Communication Lab	Rheostat Double Tube 25 OHM 10 Amp
		Rheostat Double Tube 15 OHM / 15 Amp
		Rheostat single tube
		Rheostat 2000 OHM/ 500mA
		Decade Resistance Box
		Decode Inductance Box
		Decode Capacitance Box
		Pulse Generator
		Function Generator
		Mixed Signal Scope
		Arbitrary wave from generator
		2-Band Radio Receiver Demonstration Kit
		DTH receiver Kit
		Characteristics of Microphone & Loudspeaker
		ACER Computer system
		UPS 625 VA
		Tool Kit
		Mobile Comm Trainer System
		DTMF Telephone Trainer
		EPABX Trainer
		Mobile Phone Trainer
		CRO scientech
		Function Generator
		160GB Hard Disk
		DVD Writer (Internal)
		Speakers
		UPS (1KVA)
		Motherboard intel 945
		Cabinet (Normal)
		TFT Monitor
		Amplitude Modulation/Demodulation Kit
		Frequency Modulation /Demodulation Kit
		PCM Trainer
		AM Radio Receiver Demodulation
		PAM, PWM, PPM MOD/DEModulator
		Study of Amplitude Modulation & Demodulation
		FM Modulator & Demodulator Trainer
		Writing Board (White Surface)
		Superheterodyne Transmitter & Receiver
Digital Storage Oscilloscope		
3	Computer Lab	CVT Bhurji make 50-60 mhz

		Uniline CVT 500VA
		HCL computer P-III, 450 Mhz
		CDROM Drive 52X
		CDROM Drive 52X
		Switch 10 port
		Floppy disk drive - 1.44MB
		Combo drive (CP writer+ DVD)
		Network Tool kit
		Power Supply
		LAN Trainer
		Processor Dual Core 1.6 Ghz fitted in assemble computer
		Hard Disk fitted in assemble computer
		DVD Writer Internal
		Canon laser Printer LBP 2900B
		UPS 6KVA (APC)
		Core 2 DUO Processor Fitted in Assembled Comp Intex
		15" LCD Monitor with Assembled computer
		Motherboard intel DG 41 (fitted in Assembled computer)
		Motherboard P-IV fitted in Assembled computer)
		500 GB hard disk (fitted in Assembled computer)
		Cabinet with SMPS (fitted in Assembled computer)
		DVD-RW SATA- fitted in assemble computer
		Computer system P-IV with monitor HCL make
		Dell PC-I5
		Dell PC-I5
		AMD Athlon 64 Bit (Acer make)
		D-Link wireless Access point
4	Digital & Microprocessor/Medical Lab	68K Microprocessor with RS 232 interface including a 8-digit display
		Microprocessor based controller model
		Microprocessor 8086/8088 kit Trainer model 25 key keyboard
		Digital trainer board HIL 2921
		Microprocessor based system 8 bit
		Microprocessor Kit HIL 2964
		Digital IC Trainer HIL 2921
		8- Bit 8085 training kit
		16 bit 8086/ 8088 Training Kit
		Digital Multimeter Model 4011 3 ½ Digit
		Multiple output power supply
		Bistronics Make PLC Trainer
		Power Supply 30 volts 5 A
		Power Supply 30 volts 2 A
		CRO 20 MHz
		Scientific make freq. Counter
		Analog Multimeter Sanwa make

		8086 microprocessor kit cum EPROM Programmer
		Mixed signal scope model 54645/D
		Arbitrary wave from generator
		Audio Signal Generator
		8086 Trainer kit with space FBD key keyboard
		8051 Microcontroller
		8085 Emulator Training Board
		8255 PPI
		8257 DMA Controller
		8259 Prorammed Keyboard Display interface
		8253 prog. Counter/ interval timer
		Stepper Motor
		A/D-D/A using ADC 0809 & DAC 0808
		Dual Stepper Motor
		Elevator Simulator study Card
		8255 study cum logic controller
		Automatic Digital IC tester
		Digital IC trainer
		4 Bit ALU Demo card
		Digital to Analog Ttainer
		Digital training Board
		Digital Logic trainer with Bread Board
		Digital Training Board
		Auto Computer Digital IC Function Tester
		EPROM Programmer
		A/D & D/A using IC 0800 & 0804
		EPROM Eraser
		Digital IC Trainer
		8085 Kit
		8086 kit
		EPROM Training Kit
		Digital IC Trainer
		PLC Trainer
		D/A and A/D Converter
		EPROM Programmer
		Sync. & Async.Counter
		BP Apparatus
		ECG Machine Single Chanel
		Pulse Meter
		Glucometer
5	Consumer Lab	Bread board general purpose
		Bread board gold plated
		Line frequency meter
		Regulated power supply 30V 1Amp
		CRO probes

1KW high freq. Di electric heating machine
AM modulation/demodulation board
Freq. Modulation/De modulation board
PWM board
PPm board
PAM board
Picture cube
Video pattern generator 1088
Ossicillo scope test lab TL 401
PCB drilling machine
Digital multimeter 4011
Bread board
Function generator
APLAB 20Mhz dual trace Osscillo scope
Sanwa multimeter
Black & white pattern generator
TransistorISED power supply 30V 2Amp
Power supply 30V 5Amp
Audio signal generator
AF output meter 851
1 Ghz freq. Counter
20Mhz pulse generator
DVD player
Regulated power supply
Stereo Amplifier
VCD Player
Digital IC tester
CRO model ST 201
CTV trainer
Set Top Box
CTV BPL
Digital versatile disc player demo stration
Digital multimeter trainer
Samsung colour TV
Samsung DVD player with speaker
LCD intex monitor 17"
600VA microtek UPS
Hand held Clamp meter
Multimeter digital
Function generator (Scientfic)
UPS make 800 VA (Microtek)
HOME UPS 800 VA (Invertor) microtek
Battery 12V 150 AH
Analog multimeter Trainer
Function generator Demo Stration

		Bread board trainer with power supply
		CRO demo station
		Analog lab trainer with bread board
		PN junction diode Char. Appr. With power supply and meter
		Anti static soldering station
		Hot air soldering Station
		Digital anti static soldering Station
		Soldering station maintenance centre
		DC regulated power supply
		Common emitter Amplifier
		Common collector Amplifier
		Wein bridge oscillator
		Phase shift Oscillator
		Audio power amplifier
		Battery charger
		Voltage stabilization Char. Of zener diode with meter
		Half wave, full wave & bridge rectifier Appr.
		Digital multimeter LCD display
		Discrete component trainer Board
		CRO 20Mhz Dual trace
		Function generator 1Mhz
		Digital multimeter LCD display 3½
6	AE/PE ELTX. Lab	Multimeter (Motwane)
		Common Base transistor Characteristic
		Half Wave Rectifier
		Full Wave Rectifier
		Full Wave Bridge Rectifier
		Common Base Amplifier(TTTI)
		Common Emitter Characteristic
		Half / Full Wave Rectifier(TTTI)
		Common Emitter Amplifier (TTTI)
		Function Generator HIL 2821
		Phase Shift Oscillator
		Semi Conductor Diode Characteristic
		FET Amplifier
		Zener Diode Characteristic (Romtek)
		Regulated Power Supply 30 Volt 1 Amp.
		Temp. Control Soldering Set
		Analog Multimeter (Motwane)
		Digital Power Supply 3160
		Multimeter (Sanwa)
		Characteristic of Zener diode with two digital meter(Gargi)
Study of Solid state power supply with two digital meter(Gargi)		
Study of diode clipping & Clamping Ckt.		
Measurement of Self Inductance by Anderson's Bridge		

Measurement of Capacitance by Wein's Bridge
Lamp Dimmer with SCR/ Triac Board
Regulated Power Supply (ELNOVA)
Analog Multimeter
Bread Board
Zener Diode Characteristic Apparatus
UJT Relaxation Oscillator
Wein Bridge Oscillator
SCR/ TRIAC ch. Board
Bistable Multivibrator Board
Monostable Multivibrator Board
Astable Multivibrator Board
UJT Ch. Board
Hartley/ Colpits Oscillator Board
Push Pull Amplifier
OSAW OPA-3 Electronics Kit study of Op. Amp.
Teaching Kit OSAW OPA-3 study of Op. Amp.
Teaching Kit OSAW LGT-16
OSAW FLTR -14 Board
OSAW COMP-13 Board
Study of Analog Voltage COMP.-13
OSAW FF-18 Board
Study of Pulse Triggered Edge Triggered T&d ff Master Slave OSAW FF-18
SCR as a Half Wave Rectifier Board
Differentiator Integrator for Different RC Constant
Two Stage RC Coupled Amp. Board
LCR Impedance Circuit
LCR Resonance Circuit
Diode P-N Junction Ch. For Forward & Reverse Bias
Exp. Board for Schmitt Trigger
Exp. Board for JFET Amp.
Exp. Board for Polting FET Ch.
Exp. Board for Polting VI Ch. Of SCR/Triac
Exp. Board for BAND PASS Filter
SCR Based Single Phase Half Wave Controlled Rectifier using R-C Phase shift (GARGI)
SCR Controlled Single Phase Bridge rectifier(GARGI)
Exp. Board for Series & Parallel Resonance Study
Scientech ST 2001 C.R.O Demonstation Trainer
Power Supply (Omega) Multiple Output
Digital Multimeter 4011
Audio Oscillator (MORAJ)
Signal Injector
Signal Tracer

Power Supply 30Volt 2 Amp.
Digital Frequency Counter (Testron)
AF O/P Power Meter 851 (MORAJ)
Multimeter (Sanwa)
Bridge Rectifier Board(MORAJ)
Decade Resistance Box(Tropicon)
Decade Inductance Box(Tropicon)
Decade Capacitance Box(Tropicon)
Hartlay Osscillator Board (Tropicon)
Colpitts Osscillator Board (Tropicon)
Clamping Circuit Board
Astable Multivibrator Board (TROPICON)
ESB for Diode Dubbler /Trippler Ckt. Board (TROPICON)
V/I Ch. Of P-N Junction Diode
V/I Ch. Of FET(TROPICON)
ESB for Half/ Full Wave/ Bridge Rectifier
Exp. Board of Supply of Application of IC 555
Study of Bistable Multivibrator Board
Complimentary Power Amp. Board
ESB Push Pull Amp. Board
Exp. Board for different type of Biasing
Semi Conductor Diode Board
Transistor Ch. Board
Study of Direct coupled Amp. Board
Study of Wein Bridge Osscillater Board
Study of Series & Shunt Regulation Circuit
Study of R-C coupled Amp. Board
RC Differentiating Ckt.
RC Integrating Ckt.Board
Study of Regulated Power Supply using 7805, 7905
Study of Schmitt Tigger Board
Series & Shunt Clipping Ckt.
Study of Series Regulation Circuit
Single Ended Power Amplifier Board
Study of Diffrent Biasing Ckt. For BJT
Study of Diffrent Biasing Ckt. ForJFET / FET Biasing Board
Monostable Multivibrator Board
Phase Shift Osscillator Board
Crystal Osscillator Board (PARASH Eltx.)
Emiter Follower CKT
Diode Clipping Ckt.
Single stage Feadback Board
Transistor Tester 911 (Systronics)
Op. Amp. Application Trainer

Emitter Follower CKT (Long register entry)
UJT Relaxation Oscillator Ckt.
Wein Bridge Oscillator
Phase Shift Oscillator
Two Stage RC Transistor Coupled Amp. Board
Differentiator Integrator Ckt.
Hartley/ Colpitts Oscillator
Push Pull Amplifier
Frequency Modulation Ckt.
Full Wave Rectifier
Bread Board
Full Wave Bridge Rectifier
Half Wave Rectifier
AC Fan Speed Control Ckt.
Triac Based AC Phase Control Ckt.
Speed Control Ckt. With SCR
CRO Systronics
CRO Argonic
Audio Oscillator(RADART)
Audio Oscillator(BESCO)
Power Supply (1412)
Transistor Ch. Apparatus
Zener diode ch. Apparatus
Volt OHM Multimeter
AF O/p Meter(RADART)
Zener diode ch. Board
Semi conductor Diode Ch. Board
Digital Power Supply HIL 3160
Transistor Tester 911 Systronic
Analog Multimeter (Motwane)
Regulated Power Supply (0-30Volt)
Function Generator
Digital Multimeter HIL 2120
Function Generator 20MHZ (APLAB)
CRO 20MHZ model ST201
Transistor Ch. Apparatus (Galaxy)
RC Coupled Amp. (Galaxy)
SCR/ DIAC/TRIAC Ch. Apparatus
Analog Trainer
LCR Q Meter
Function Generator Demonstrator ME 1210
8 Digit Frequency Counter 2.4 GHZ
Function Generator 5 MHZ with frequency Counter model ME 957
Study of LCR impedance Ckt.

	Kirchoff's Law Apparatus
	OHM's Law Apparatus
	Apparatus for Verifying Theorems
	UJT Ch. Kit
	UJT as relaxation Osc.
	Hartley / Colpits Osc.
	CB,CE,CC Transistor I/P & O/P Ch.
	Arbitrary Function Generator
	CRO 30 MHZ (Scientific)
	Distortion Meter (Scientific)
	Inductance Measurement kit
	RLC Impedance kit
	3 ½ Digital Multimeter (Meco)
	Antistatic soldering station (CEGO ENTRY)
	Hot air soldering station
	Analog multimeter trainer
	Digital multimeter trainer
	Bread board trainer with power supply
	Analog trainer with bread board
	P N junction diode char. Appr. With power supply with meters
	Voltage stabilization Char. Of Zener diode with meters
	Half wave, full wave & bridge Rectifier Appr.
	Digital multimeter LCD Display 3½ digit (small size)
	Discrete components trainer board
	CRO 20MHZ dual trace (Scientific)
	Function generator 1MHZ (Scientific)
	Digital multimeter LCD Display 3½ digit (big size)

Name of Course - Electrical Engineering

Sr No	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	Electrical Machines Lab	Synchronising Switch
		Three Phase Variac
		Alternator coupled with slip ring I.M. exciter
		3 phase induction motor
		Slip ring induction motor
		D.C. Shunt Motor
		D.C. Series Motor
		Single Phase Transformer
		Three Phase Transformer
		Single Phase Induction Motor
		Static Converter / Rectifier
		2
1 Ø Energy Meter		
1 Ø Load		
Voltmeter		

		Ammeter
		Lamp Load Board
		Kit for measurement earth resistance
		Earth Tester
		Kit for Two Watt meter method
		Watt Meter
		Three Phase Loading Rheostate
		Kit for LCR Q-Meter
		Panel for 1 phase energy meter
		Voltmeter Moving iron type
		Variac
3	Electrical Wiring Shop Lab	3 Ø Induction Motor 5HP
		1 Ø Induction Motor
		Star Delta Starter
		Drill Machine
		Ceiling Fan
4	CPA Lab	Computers (10 nos.), AMD Athlon GPB BIT, 2.2 GHz, 256 MB DDR-II RAM, 80 GB SATA Hard-disk Drive, CRT 15"
		UPS 5KVA with Batteries
		Computers (01 no.), AMD Athlon GPB BIT, 2.2 GHz, 256 MB DDR-II RAM, 80 GB SATA Hard-disk Drive, CRT 15" Monitor
		HP Laser Printer, 1505
		UPS 800 VA with inbuilt battery
		PLC Trainer Kit
		8051 Micro Controller Kit
		8085 Microprocessor Kit
5	Electronics Lab	CRO
		Function Generator
		Kit for SCR
		Kit for Diac
		Kit for UJT Characteristics
		Kit for UJT relaxation Oscillator
		Kit for illumination Control
		Kit for speed control of DC shunt motor
		Kit for Single phase controlled rectifier
		Kit for U-I contact of diode
		Kit for Zener Diode
		Kit for Half Wave rectifier
		Kit for Full wave rectifier
		Kit for centre tap rectifier
		Kit for CE configuration
		Kit for CB Amplifier
		Kit for Single stage CE Amplifier
		Multimeter
		Voltmeter

		Ammeter
Name of Course - Mechanical Engineering		
Sr No	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	CAD	Computer P-II (350MHz) With Intel motherboard Processer speed 350Mhz, Ram-32 Mb, HDD-4.3 GB
		Colour monitor -14 Inch Keyboard -105keys, CD-ROM-32 X
		Computer P-II (400 MHz) With Intel motherboard Processer speed 400Mhz, Ram-32 Mb,
		HDD-4.3 GB Colour monitor -14Inch
		Keyboard -105keys, CD-ROM-32 X
		Computer P-III (450MHz) With Intel motherboard Processer speed 450Mhz, Ram-64 Mb, HDD-6.4 GB
		Colour monitor -15 Inch Keyboard -105keys, CD-ROM-48 X FDD-1.44 Mb
		H.P DeskJet Printer 880C
		H.P DeskJet Printer 710C
		Plotter
		U.P.S -230 Volts A.C, 5KVA –Harmonic.
		CVT -500Watts(0.5 KVA)
		Lan Hub- 16 port
		Slide projector-(Auto Focus)
		Over Head Projector(280 mm * 250 mm)
		Sealed maintenance free batteries-12Volt /40AH
		UPS-625 VA
		UPS-625 VA
		Computer AMD ATHCOM64 bit 3500, 2.2G Hz
		Processer speed 2.2 GHz,
		Ram-512 Mb,
		Colour Black monitor -14Inch
		Keyboard -105keys,
		CD-ROM-32 X
		Auto CAD 2007
		Computer HP Compaq 8300
		Intel core-I5-3470 Vpro tech.3.2 GHz, HDD-500 GB Satta, Keyboard -104 Keys, Ram-DDR 3-4Gb TFT Screen-18.5 Inch Mouse Optical
		DLP Multimedia Projector(dell Model 510*3500)
HP LaserJet Printer		
2	SOM	Impact strength testing m/c (Charpy)
		Impact strength testing m/c (Izod)
		Rockwell hardness testing m/c
		Stiffness (Spring) testing m/c
		Deflection of beam testing m/c
		Universal testing m/c
3	RAC	Refrigeration Tools(Cutter, Benches, Swaging, Flaring,

		Brazing)
		Safety devices(HP/LP cut out, OLP, Thermostat Switch, Filter, Drier
		Refrigerator
		Window A.C
		Charging Board
		Refrigeration cycle demonstration unit
		Cut section of single cylinder reciprocating compressor
4	TD	Models of Cencashive, Bagcock & Wdlore Boeler
		Various Mounting/Accessories for boilers
		Thermocouple/ Pyrometer
		Air Compressor
5	BEE	3-Q induction motor, D.O.L starter
		1-Q Motor, Switch
		Lead and Battery
		Line tester, Test lamp
		Energy Meter, voltmeter, Am-meter, Wattmeter
		Distribution Board
		D.C Powder Supply, DC Ammeter, DC Voltmeter Rheostat
		Standard Resistance 100 Ohm, 5A, Voltmeter D.C 0-30V, Am-meter 0-5 A, D.C variable D.C power supply 0-30V
		Standard resistance 100Ohm 5A, D.C power supply 0-30 V, Voltmeter 0-30V, D.C Ammeter 0-1A, 0-3A
		Experimental board, Regulator power supply (0-30V)
		Experimental board, transistor, Power Supply (0-30V), Voltmeter 0-3V, 0-10V
		Experimental board mili ammeter (0-30ma) regulator power supply
6	WP-I	Crucible Tilting Furnace
		Moulding machine hand driver
		Cupola Furnace
		Sand Mixer M/c
		MIG Welding Machine
		TIG Welding Machine
		Spot Welding Machine
		Gas Welding Machine
		Seem Welding Machine
		Portable Welding Machine
		Drill Machine
		Grinding Machine
7	CNC	CNC T-70 Lathe M/C AC Based
		CNC T-70 Lathe M/C Non- AC Based
		Milling M/C (Trainer)

		Vertical Milling M/c -200T
		Vertical Milling M/c -400T
		Star Turn Lathe M/c
		Flexible Manufacturing System
8	WP-III	Shaping Machine
		Milling Machine Horizontal
		Vertical Milling
		Universal Milling
		Lathe Machine
		Power Hacksaw
		Tool & Cutter Grinding M/c
		Cylindrical Grinding M/c
		Surface Grinding M/c
9	Gen Workshop-I	Welding Set A.C oil cooled
		Welding Set Air Cooled
		Gas welding set high pressure
		Bench Grinding
		Bench vice 5"
		Powder Coating M/C
		Electric Drilling M/C
		Meggar
		Geyser
		Hand Drilling M/C
		Amper Meter
		Energy Meter
		Watt Meter
		D.O.L Starter
		Electric Iron
		Combination Plier
		Screw Driver
		Champion Forge 43" x 22"
		Anvil 150Kg
		Hammers 04 Lbs.
		Try Square 6"
		Fullers 1x 3/4"
		Flatters 2 1/2
		Fire Extinguisher
		Leg Vice
		Swage Block
		Blower 50
		Brass Foot Rule 12"
		Drilling M/C 1/2 capacity
		Bench Grinder Single Phase
		Bench Vice 5"
		Angle Disk grinder

		Heat treat furnace electric
		Bend Saw Machine
		Universal wood working machine
		Bench Grinder
		Bend Saw sharpening machine
Name of Course - Plastic Engineering		
Sr. No.	Name of Laboratory	Major/Essential Equipment required for conduct of Practical
1	PPT I&II	Electronic weighing balance capacity - 160Kg Make- indosaw
		Scrap Grinding Machine Out put- 40 Kg / hr
		Drying oven – Temp range 50-250C.
		Vertical Hydraulic injection molding M/C Make – saguaro
		Automate injection molding M/C Make- Ranaplas
		Automatic Blow Molding M/C Make – (Allplas) Capacity 2ltr
		CNC Automatic injection molding
		Hand operated compression molding M/C (130g)
		Hand operated injection molding M/C (30gm)&(15 gm)
		Agglomerator Make – Satguru
2	PPT - III	vacuum forming m/c with mold of (Bin) Size 10*12 inch
		High speed PVC Compounding mixer capacity-2.5Kg
		(PVC pipe) Extruder Make - Satguru
		Cutting and Sealing Machine
		Pantograph Engraving
		High frequency PVC welding m/c
		Bore gauge (lc 0.001mm) Make- mitutoyo
		Combination set C33MHC-150 Make – starret
		Vernier Caliper 0-300mm Make- mitutoyo
3	PTQC	Rockwell cum Brinell Hardness Testing m/c Make – Justy
		Izod impact strength Testing M/C for Plastics Make – enkay
		Rockwell cum Brinell Hardness Testing m/c(250kg) Make – enkay
		Fatigue Bending Tester for Plastics Make – enkay
		Tear Tester Make – enkay
		Melt Flow index Make – enkay
		Vicat softening Point Make – enkay
		Surface & Vol. Resistivity Make – enkay
		Env. Stress cracking Resistance Testing apparatus Make – polyplast
		Gloss Meter
		Dart impact Tester Make – polyplast
		Tensile Testing M/C Make – enkay
		Heating oven Temp range 0-300C
Electronic Precision & counting Balance Make – Indosaw capacity 3Kg		

		Fatigue Bending Tester for Plastics
4	Fabrication shop	Coordinate measuring machine with accessories
		CNC wire cut EDM with accessories
		Inside micrometers (50-300mm) LC 0.01mm
		Vernier caliper (0-300mm) LC 0.05mm
		Digital height gauge(0-300mm) LC 0.01mm
		Bevel protractor
		Snap gauge range0-25mm
		EDM T- 3822, Ps- 20
5	VVF- Lab	Ball mill (2Kg capacity)
		Double pipe heat exchanger apparatus
		Diffusions coefficient measurements of solids
		Temp. caliper or test rig
		Cut section model of Reciprocating pump
		Cut section model of centrifugal pump
		Heating oven
		Batch Distillation unit
		Hydraulic bench
		Plate & frame filter press
		Humidification column
		Liquid- liquid mixing apparatus
		Diffusion of liquid in air
		Stefan- Boltzmann law apparatus
		Cyclone separator
		Pressure Calibration Test Rig
Automatic water heater (35 L)		
Lee's and charton's conductivity apparatus		
6	PST Lab	Bulk density apparatus
		Abbe's refractometer
		Ford cup
		Magnetic stirrer with hot Plate
7	CADD LAB	T.V Tuner Card (Internal)
		Computer Pentium – II 400MHz (HD 4.3GB,14" colour monitor , ram 4 MB , 32X CD Room, win – 98
		Computer Pentium –II 350 MHz (HD 4.3GB,14" colour monitor , ram 4 MB , 32X CD Room, win – 98
		Multimedia PC-II 266/MHz (HD 4.3GB,14" colour monitor , 32bit Ethernet card , 1.44MB fdd , ram 32 MB , 32X CD Room, win – 98
		Computer P-III 450MHz(HD 64GB,14" colour monitor , ram 64 MB , ,1.44 MB fdd ,Pci 32 bit 48X CD Room, win – 98
		Cadd Work Station with UPS Specification P- II
		Tutor 2001 S/W
		Lan- card with Boot Ram
		LAN HUB 16 Port

	Computer Application MDT Auto Cad Software
	Mould Flow Part Adviser Plastic Flow
	Mould Flow Adviser to verify Mould Design
	Mould Creator to create mould assembly software
	Room Air conditioner
	(Window type 1.5 Ton)
	Electric Voltage Stabilizer 4 KVA (fitted with A.C.)
	AMD Athalon computers (512MB ram 2.2 Ghz , DDR 2 256MB ,80GB hdd , 1.44MB Fdd , 107keys Keyboard 15 inch , colour monitor , 52 x CD room , Ethernet card , win XP
	DVD Writer (Ext) LG
	HP Scanjet 3200C Scanner
	HP DeskJet 880C Printer
	Color Laser Printer (1200 DPI, ram 32 MB , 10 bas etehernet Print speed 5 PPM
	UPS 5K V A with 16 nos. of sealed maintenance free batteries (26 Ah)
	Computer P- III 450 MHz (HD 4.3GB,14" colour monitor , ram 4 MB , 32X CD Room, win – 98
	Dot Matrix Printer

Computing Facilities

Internet Bandwidth	:	120 mbps
Number and configuration of System	:	294, intel i3, i5
Total number of system connected by LAN	:	40
Total number of system connected by WAN	:	40
Major software packages available	:	Oracle, MS Windows 10,
Special purpose facilities available	:	Facility for conducting online tests available

Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments

- **NOT APPLICABLE**

List of facilities available

- **Games and Sports Facilities :**
 - **YES**
- **Extra-Curricular Activities :**
 - **YES**
- **Soft Skill Development Facilities:**
 - **YES**

Teaching Learning Process

- Curricula and syllabus for each of the programmes as approved by the University
 - **YES**

- Academic Calendar of the University
- **YES**
- Academic Time Table with the name of the Faculty members handling the Course
- **YES**
- Teaching Load of each Faculty
 - a) **HOD** -8-10 hours per week
 - b) **Senior Lecturer** -12-14 hours per week
 - c) **Lecturer** -21-22 hours per week
- Internal Continuous Evaluation System in place
- **YES**
- Student's assessment of Faculty, System in place
- **YES**

Enrollment of students in the last 3 years

BRANCH	ENROLMENT								
	2020			2019			2018		
	1st Yr	2nd Yr	3rd Yr	1st Yr	2nd Yr	3rd Yr	1st Yr	2nd Yr	3rd Yr
Architecture Asstt	40	45	38	45	40	40	44	42	58
Automobile Engg.	59	53	59	57	62	53	49	54	62
Civil Engg.	110	108	110	111	126	121	107	124	128
Computer Engg.	64	58	61	61	63	61	54	63	56
Electrical Engg.	57	58	65	53	67	69	57	70	64
Eltx. & Comm. Engg.	51	42	44	55	51	35	54	36	47
Mechanical Engg.	123	114	136	120	139	131	117	133	136
Plastic Technology	36	33	19	39	19	33	28	34	39

List of Research Projects/ Consultancy Works

- Number of Projects carried out, funding agency, Grant received - **NIL**
- Publications (if any) out of research in last three years out of masters projects - **NIL**
- Industry Linkage

The institute maintains regular interaction with industries like L&T, Maruti, Gabriel, Wipro, Tata Motors, Bajaj Auto, Samsung, ISGEC, BIGBAN, Blue Star, Federal

Mudgal, Sri Cement, Ashoka Leyland, Sonalika Tractors, Takata India, Rane NSK, Subrose Ltd. And these industries are major employers of our students.

- MoUs with Industries (minimum 3)

The institute has signed MoU with following industries:

S. N.	Date of MoU	Name of Company
1	14.09.2017	ISGEC HEAVY ENGINEERING LTD SAHARANPUR ROAD, YAMUNANAGAR
2	23.10.2017	CHANDRAPUR INDUSTRIES PVT. LTD. YAMUNANAGAR
3	07.12.2017	C. LAL ELECTRICALS & MECHANICALS, BADDI (HP.)
4	7.12.2017	GODAWARI GREEN, NARIANGARH RAOD, AMBALA CITY
5	22.12.2017	Uttam Foundries & Ispat Pvt. Ltd Vill- Janetpur , Nariangarh Road, Ambala City
6	19.02.2018	Auto Springs & Gen Engg Co, Kunjpura Road, Karnal
7	20.03.2018	Comp Point System (I) Pvt. Ltd. Janakpuri, Delhi
8	26.03.2018	Xpertpack Transport Packaging Pvt. Ltd. Gurugram, Haryana
9	16.04.2018	A.P Products Suketu Road ,Kala Aamb., Himachal Pradesh
10	14.11.2018	VK Computer Educations, #50-A, Prem Nagar, Ambala City
11	31.10.2019	National Institute of electronic and Information Technology (NIELIT), Kurukshetra

LoA and subsequent EoA till the current Academic Year

The link is for accessing the same is given below:

Best Practices adopted, if any

- The institute has started the practice of appointing mentors for the students who regularly monitor the progress of allotted students throughout the diploma for 3 years.
- Digital contents of all the subjects, as per HSBTE curriculum, have been uploaded on the institute website for the convenience of the students.