

## 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](mailto:gpambala@hry.nic.in)

**Name of the Principal:** SH. SANJEEV KUMAR

**Address:** GOVT. POLYTECHNIC, AMBALA CITY

**Mobile:** 9813130201

**Email ID:** [sanjeev\\_mahant@yahoo.co.in](mailto:sanjeev_mahant@yahoo.co.in)

**Name of the affiliating University:**

STATE BOARD OF TECHNICAL EDUCATION, HARYANA

## GOVERNANCE

### Members of Academic Advisory Body:

1. SH. MUNISH GUPTA
2. SH. R.L. SAINI
3. SH. PANKAJ GARG

### 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. H.S SINDHU, CHAIRMAN
2. SMT.SEREBDEEP KAUR, MEMBER
3. SH.RAJIV DHULL, MEMBER

### Establishment of Anti Ragging Committee:

- SH. SATVINDER KUMAR, CHAIRMAN  
SH. PARVEEN MOHAN, MEMBER.  
SH. PUSHPENDRA PRATAP SINGH, MEMBER  
SMT. SARTIA MANN  
SH. SANDEEP GOEL, MEMBER  
SH. RAM NIWAS, MEMBER  
SH. KAVI RAJ, MEMBER

### Establishment of Online Grievance Redressal Mechanism:

Govt. Polytechnic, Ambala City had procured Online Grievance Redressal in the session 2018-19 which is functional and hosted on the institute website.

### Establishment of Internal Complaint Committee (ICC):

1. SH. S.K GUPTA, CHAIRMAN
2. SH. R.L. SAINI, MEMBER
3. SH. PANKAJ GARG, MEMBER

### Establishment of Committee for SC/ ST:

1. SH. SATVINDER KUMAR, CHAIRMAN
2. SH. SUNIL RAI, MEMBER.
3. SH. BALINDER SINGH, MEMBER

### **Internal Quality Assurance**

1. SH. MUNISH GUPTA
2. SH. R.L. SAINI
3. SH. PANKAJ GARG

### **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.

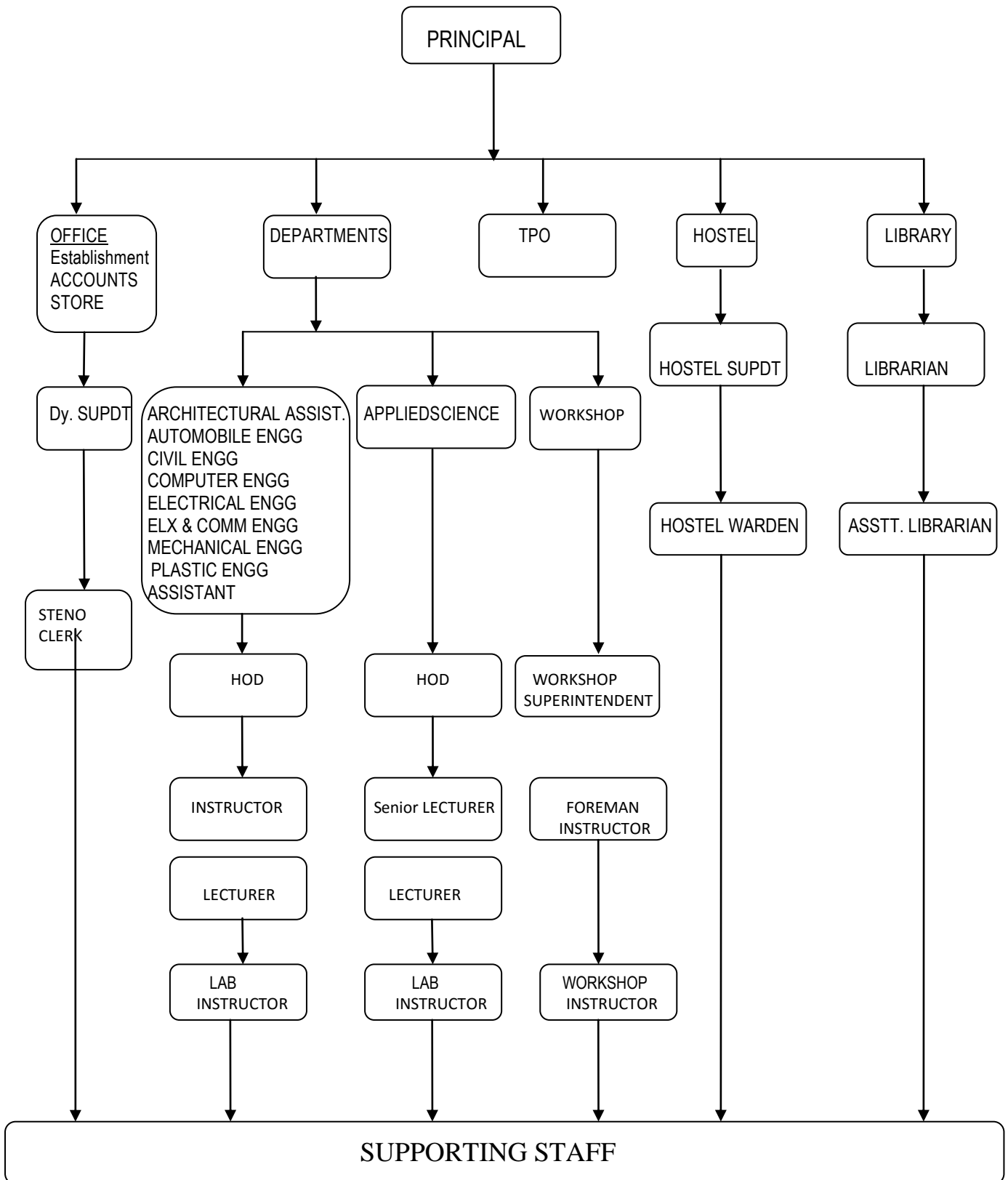
### **Mechanism/ Norms and Procedure for democratic/ good Governance**

- 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								
			2018			2017			2016		
			SC	BC	GEN	SC	BC	GEN	SC	BC	GEN
Architecture Asstt	60	3	39.90	55.40	43.20	55.80	55.20	55.10	55.00	61.00	63.00
Automobile Engg	60	3	41.00	58.00	58.00	58.90	62.70	60.80	63.00	72.00	70.00
Civil Engg	120	3	58.00	55.00	59.40	60.00	59.80	58.60	61.80	59.40	71.80
Computer Engg	60	3	50.40	64.00	59.80	60.80	58.80	72.20	62.70	56.80	72.40
Electrical Engg	60	3	62.00	70.00	64.80	57.80	65.80	69.80	68.20	63.80	72.00
Eltx & Comm Engg	60	3	55.20	54.00	55.00	59.20	56.20	52.25	59.00	58.00	53.71
Mechanical Engg	120	3	58.00	62.00	66.00	64.00	71.60	65.00	60.00	77.00	63.20
Plastic Engg	60	3	48.00	40.20	39.00	56.60	49.40	43.70	52.20	55.00	57.00

**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  
3. Harish Gupta

**Name of department: Automobile Engg**

**List of Faculty Members:**

HOD: S.K. Gupta  
Lecturers: 1. Ravinder Singh  
2. Raj Kumar  
3. Navneet Gupta  
4. Sunil Kumar

**Name of department: Civil Engg**

**List of Faculty Members:**

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

**Name of department: Computer Engg**

**List of Faculty Members:**

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

**Name of department: Electrical Engg**

**List of Faculty Members:**

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

**Name of department: Eltx & Comm Engg**

**List of Faculty Members:**

HOD: Rajiv Sapra  
Sr.Lect: K.P Singh  
Lecturers: 1 Inderjit Singh  
2. Deepender Gill  
3. Ravinder Singh Punia  
4. Sandeep Goel  
5. Suchet Kumari

**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. Deepak Punia

**Name of department: Plastic Engg**

**List of Faculty Members:**

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

**Name of department: Applied Sciences**

**List of Faculty Members:**

HOD: R.S.Rana  
Sr.Lect: Satvinder Kumar  
Lecturers: 1. Pushpender Prtap Singh  
2. Archana Sharma  
3. Sunita  
4. Sartia Mann

Permanent Faculty: Student Ratio 1 : 25

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



## Profile of Principal

i. Name:	<b>Sh. Sanjeev Kumar</b>
ii. Date of Birth:	<b>30.10.1961</b>
iii. Unique id:	
iv. Education Qualifications:	<b>M.Com</b>
v. Work Experience	
❖ Teaching	<b>30 years</b>
❖ Research	<b>NA</b>
❖ Industry	<b>NA</b>
❖ Others	<b>NA</b>
vi. Area of Specialization	<b>ACCOUNTS</b>
vii. Courses taught at Diploma Level	<b>OMCA, DBM &amp; FAA</b>
viii. Research guidance	<b>NA</b>
❖ No. of papers published in National/ International Journals/ Conferences	
❖ Master	
❖ Ph.D.	
ix. Projects Carried out	<b>NA</b>
x. Patents	<b>NA</b>
xi. Technology Transfer	<b>NA</b>
xii. Research Publications	<b>NA</b>
xiii. No. of Books published with details	<b>NA</b>

## 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	129	987750
B.C Scholarship	64	Direct transfer by social welfare department in their account.
Merit Cum Mean	494	1453000
Minority	1	-
Dr. Ambedkar Labour Board Railway, Other	33	Student Direct deposite in respective department
Total	721	

#### 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 2016-17)**

BRANCH	SC	BC	HR	AIO	FF	ESM	KM	TOTAL
Architecture Asstt	6	19	20	2	0	1	1	52
Automobile Engg.	11	18	17	4	0	0	0	56
Civil Engg.	27	39	23	8	0	2	2	112
Computer Engg.	12	22	11	1	0	0	0	54
Electrical Engg.	11	20	10	6	0	0	0	57
Eltx. & Comm. Engg.	14	22	10	1	0	0	0	51
Mechanical Engg.	22	44	29	3	1	1	1	117
Plastic Technology	6	19	15	2	0	0	0	44

#### **CATEGORYWISE ADMISSION (YEAR 2017-18)**

BRANCH	SC	BC	HR	AIO	FF	ESM	KM	Total
Architecture Asstt	9	26	18	7	0	0	0	63
Automobile Engg.	8	21	19	9	0	1	1	63
Civil Engg.	25	32	38	23	0	0	0	126
Computer Engg.	11	18	21	8	0	1	1	63
Electrical Engg.	12	21	19	6	0	1	1	62
Eltx. & Comm. Engg.	13	23	10	15	0	0	0	63
Mechanical Engg.	21	45	37	14	0	3	3	126
Plastic Technology	1	5	20	8	0	0	0	36

### CATEGORYWISE ADMISSION (YEAR 2018-19)

BRANCH	SC	BC	HR	AIO	FF	ESM	KM	Total
Architecture Asstt	11	15	27	7	0	0	0	62
Automobile Engg.	8	15	27	10	0	0	0	62
Civil Engg.	23	41	49	8	0	0	0	124
Computer Engg.	13	27	18	1	0	0	0	63
Electrical Engg.	12	23	17	8	0	0	0	62
Eltx. & Comm. Engg.	12	14	28	5	0	0	0	62
Mechanical Engg.	25	50	39	6	0	0	0	126
Plastic Technology	11	14	13	8	0	0	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
<b>Diploma Engineering (Three Years)</b>	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	07.05.2018 to 14.06.2018
<b>Diploma Engg Lateral Entry (Two Years)</b>	10+2 or 2 years ITI	Rank of online Lateral Entry diploma Entrance Test conducted by HSTES	25.04.2018 to 17.05.2018

#### How to Apply for Admission

Process for applying for admission to Diploma Courses is ONLINE through the website [www.onlinetesthry.gov.in](http://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](http://www.onlinetesthry.gov.in) and [www.hstes.org.in](http://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](http://www.onlinetesthry.gov.in) and [www.hstes.org.in](http://www.hstes.org.in)

**List of Applicants**

- The information is provided at [www.onlinetesthry.gov.in](http://www.onlinetesthry.gov.in) and [www.hstes.org.in](http://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**

- Oursbeing 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:**

<b>Name of Course - Architecture Assistantship</b>		
<b>S. N.</b>	<b>Name of Laboratory</b>	<b>Major/Essential Equipment required for conduct of Practical</b>
1	Comp. Lab	Computer Systems
2	Comp. Lab	Plotter
<b>Name of Course - Automobile Engineering</b>		
<b>Sr. No.</b>	<b>Name of Laboratory</b>	<b>Major/Essential Equipment required for conduct of Practical</b>
1	<b>Automobile Workshop</b>	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	<b>AUTO ENGINES – II</b>	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	<b>CHASSIS, BODY AND TANSMISSION - II</b>	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	<b>DRIVING PRACTICE</b>	Maruti
		Van
<b>Name of Course - Civil Engg</b>		

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 plateform 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 $\mu$
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 Precission & 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, Refrigeration 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**

<b>Sr No</b>	<b>Name of Laboratory</b>	<b>Major/Essential Equipment required for conduct of Practical</b>
1	<b>Adv.Comm Lab/Insturmentation</b>	M drived 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 Transmeter & Receiver Trainer
	Antena Trainer
	Function Generator
	CRO
	Laser Trainer
	PAM, PWM, PPM MOD/DEModulator
	160 GB Hard Disk
	Processor Dual Core
	DVD Writer
	Mother Board
	ATX Cabinet
	Capacitve Pick up Angular Displacment
	LDR Characterstics
	Photo Transistor Characterstics
	Photo Cell Characterstics
	Thermistor Characterstics
	Thermocouple Trainer Kit
	Pressure Measurment using Strain Gauge
	Study of LVDT Trainer Kit
	Fiber Optic Trainer
	Load Cell
	Sound Level Meter
	Measurment of Humidity using Humidity Controller
	Measurment 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/DEMODO 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
		Decade Inductance Box
		Decade 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 Transmeter & 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 station		
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 (Scientific)
		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 stration
		Analog lab trainer with bread board
		PN junction diode Char. Appr. With power supply and meter
		Anti statory soldering station
		Hot air soldering Station
		Digital anti static soldering Station
		Sodering station mantaince centre
		DC regulated power supply
		Common emitter Amplifier
		Common ecollector Amplifier
		Wein bridge osscillator
		Phase shift Osscillator
		Audio power amplifier
		Battery charger
		Voltege stablization Char. Of zenor diod with meter
		Half wave, full wave & bridg rectifier Appr.
		Digital multimeter LCD display
		Desecrate component trainer Board
		CRO 20Mhz Dual trace
		Function generator 1Mhz
		Digital multimeter LCD display 3½
<b>6</b>	<b>AE/PE ELTX. Lab</b>	Multimeter (Motwane)
		Commoan Base transister Characterstic
		Half Wave Rectifier
		Full Wave Rectifier
		Full Wave Bridge Rectifier
		Common Base Amplifier(TTTI)
		Common Emitter Characteristic
		Half / Full Wave Rectifier(TTTI)
		Comman Emitter Amplifier (TTTI)
		Function Generator HIL 2821
		Phase Shift Osscillator
		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 Appertus
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 Poltting FET Ch.
Exp. Board for Poltting 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 Osscillator (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 Multivibrater 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. For JFET / FET Biasing Board
	Monostable Multivibrator Board
	Phase Shift Oscillator Board
	Crystal Oscillator Board (PARASH Eltx.)
	Emitter Follower CKT
	Diode Clipping Ckt.
	Single stage Feedback 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. Appretus (Galaxy)
		RC Coupled Amp. (Galaxy)
		SCR/ DIAC/TRIAC Ch. Appretus
		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)
<b>Name of Course - Electrical Engineering</b>		
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	EMMI Lab	Digital Multimeter
		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 Ammter 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 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
		Geysar
		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**

<b>Sr. No.</b>	<b>Name of Laboratory</b>	<b>Major/Essential Equipment required for conduct of Practical</b>
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 - Satgueu
		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
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	:	<b>120 mbps</b>
Number and configuration of System	:	<b>294, intel i3, i5</b>
Total number of system connected by LAN	:	<b>40</b>
Total number of system connected by WAN	:	<b>40</b>
Major software packages available	:	<b>Oracle, MS Windows 10,</b>
Special purpose facilities available	:	<b>Facility for conducting online tests available</b>

### 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								
	2018			2017			2016		
	1st Yr	2nd Yr	3rd Yr	1st Yr	2nd Yr	3rd Yr	1st Yr	2nd Yr	3rd Yr
Architecture Asstt	44	41	40	44	42	58	48	58	56
Automobile Engg.	62	63	53	49	54	62	50	65	64
Civil Engg.	126	131	118	107	124	128	103	141	139
Computer Engg.	63	65	61	54	63	56	50	64	55
Electrical Engg.	62	68	70	58	70	64	56	66	67
Eltx. & Comm. Engg.	59	56	35	54	36	47	44	56	63
Mechanical Engg.	124	143	135	117	133	136	109	140	149
Plastic Technology	48	19	34	28	34	39	42	45	31

### 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	14-9-2017	ISGEC HEAVY ENGINEERING LTD Saharanpur Road, Yamunanagar Haryana -135001
2	24-10-2017	CHANDRAPUR INDUSTRIES PVT LTD Yamunanagar
3	07-12-2017	C. LAL ELECTRICALS & MECHANICALS, BADDI (HP.)
4	7-12-2017	GODAWARI GREEN, NariangarhRaod, Ambala City
5	22-12-2017	UTTAM FOUNDRIES & ISPAT PVT. LTD Village - 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.

## LoA and subsequent EoA till the current Academic Year

The link is for accessing the same is given below:

<http://gpambala.ac.in/wp-content/uploads/2019/02/AICTE-Approvals-2005-18.pdf>

## 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.