

**GANDHI INSTITUTE
OF
SCIENCE & TECHNOLOGY,
RAYAGADA.**



**MANDATORY DISCLOSURE
to be submitted
to
AICTE**

**MANDATORY DISCLOSURES
(ENGINEERING PROGRAMMES)**

MANDATORY DISCLOSURES

(ENGINEERING & DEGREE PROGRAMMES)

"The Information has been provided by the concerned Institution and the onus of authenticity lies with the Institution and not on AICTE."

I. NAME OF THE INSTITUTION: -

Gandhi Institute of Science and Technology (GIST)

Village	KHOLIGUDA
Taluka	RAYAGADA BLOCK
District	RAYAGADA
State	ORISSA
Pin Code	765017
STD Code	06856
Phone No	211455
Fax No	225634
E-mail	gistcollege@yahoo.co.in

II. NAME & ADDRESS OF THE PRINCIPAL :-

Name : Prof.(Dr).P.N. Singh

Address : Gandhi Institute of Science and Technology(GIST)

At: Khohguda

Po: Kothapeta

District: Rayagada

Pin: 765017

Telephone No : 06856- 223845/211455

III. NAME OF THE AFFILIATING UNIVERSITY: -

- ▶ Biju Patnaik University of Technology
U.G.I.E., Campus, Rourkela, ORISSA.

IV. GOVERNANCE :-

i) Member of the Board and their brief background:-

SRAVANTHI EDUCATIONAL & CHARITABLE TRUST

- | | |
|--------------|--|
| 1) Chairman | Dr.Chandra Dhwaja Panda, Gunupur,
Dist. Rayagada Educationist |
| 2) Secretary | Sri.Manoj Kumar Palo
Bhubaneswar
Educationist |

Governing Body

- | | |
|--|---|
| 1) Chairman | Dr. Chandra Dhwaja Panda Chairman &
Managing Trustee |
| 2) Secretary | Sri. Manoj Kumar Palo Secretary
& Managing Trustee |
| 3) Vice Chairman
(Nominee of the Trust) | Sri B.Ramprasad
Member |
| 4) Member (Nominee of the Central
Govt.) | Regional Officer (Ex-Officio) AICTE, Salt
Lake, Sector-III KOLKATA |
| 5) Member (Nominee of the Regional
Committee of AICTE) | Industrialist/ Technologist/ Educationalist
the Region |
| 6) Member (Nominee of the
Affiliating Body/ University) | To be nominated by B. P. U.T.
Rourkela, Orissa |
| 7) Member (Nominee of the State
Govt.) | D. T. E. T., Govt. of Orissa
(Ex-Officio) |
| 8) Member (Nominee of the State
Govt.) | Industrialist/ Technologist/ Educationalist
from the Region |
| 9) Member-Secretary | Principal, GIST, Rayagada |

Reply from the nomination agencies are awaited. **ii)**

Member of Academic Advisory Body :-

- 1) Prof.(Dr). P.N. Singh, Professor CSE
- 2) Prof.(Dr). R.Ch. Patnaik, Professor in Chemistry

iii) Frequency of the Board Meetings and Academic Advisory Body:

iv) Organizational chart and process :- Enclosed in

v) Nature and Extent of involvement of faculty and students in academic affairs/ improvements:-

- 1) Academic Information System (AIS) is installed for developing and delivering teaching materials in academic affairs.
- 2) State of Art Technology are installed for conducting class to enhance the quality of teaching.
- 3) Visuals and teaching aids on important courses, containing lecturers delivered by eminent professors are procured for the students.

vi) Mechanism / norms & procedure for democratic/ good Governance:-

- ▶ Under the guidance of Trustees, Governing Council, Academic Advisory Body, the day-to day operations of GIST is managed by Principal, Vice-Principal with the help of HOD's and Faculty members with individual responsibility.

vii) Student Feedback on Institutional Governance / faculty performance:-

- ▶ Semester wise feedback system, regular faculty development programme & faculty appraisal helps for the assessment of the performance of the faculty members.

viii) Grievance redressal mechanism for faculty, staff and students:-

- ▶ Complaints/Suggestion boxes are available at Library/Hostels. Student's interaction with Principal and a separate grievance cell meeting on weekly basis to discuss the various day-to-day issues.

V. PROGRAMS: -

(i) Name of the Program approved by the AICTE :-

Bachelor of Technology in

- 1) Electrical Engineering
- 2) Electronics & Communication Engineering
- 3) Electrical And Electronics Engineering
- 4) Computer Science & Engineering
- 5) Information Technology
- 6) Mechanical Engineering
- 7) Civil Engineering

Diploma Engineering in

- 1) Mechanical Engineering
- 2) Civil Engineering
- 3) Electrical Engineering

(ii) Name of the Programmes accredited by the AICTE:-

-Nil-(iii) For each

Programme the following details are given :-

a)Name : Bachelor of Technology

Number of seats

2011-12	480
2012-13	480
2013-14	480
2014-15	480
Total	1920

Duration : 4 years

b)Name : Diploma Engineering (2nd Shift)

Number of seats

2013-13	120
2014-15	240
Total	360

Duration : 3 years

Cut of mark/rank for admission

During the last three years : Centralized counseling conducted by JEE(O)
(Qualified students from JEE(O)/JEE MAIN/DET)

Fee	63,000/- (per year)
Placement facilities	Yes
Campus placement in last three Years with Minimum salary, Maximum salary and Average salary	70% - Not Applicable - - Not Applicable - - Not Applicable-

Name and duration of programme (s) having affiliation/ collaboration with Foreign University(s)/Institution(s) and being run in the same campus along with status of their AICTE approval. If there is foreign collaboration, give the following detail.

► Note:- None of our programme (s) having affiliating/collaboration with Foreign University(s)/ Institution(s) and none of other programme (s) being run in the same campus along with status of AICTE.

b) Details of the Foreign Institution/University :-

-N. A-

c) For each Collaborative/affiliated programme give the following:

- N. A. -

d) Whether the collaborative programme is approved by AICTE? If not whether the Domestic/Foreign Institution has applied to AICTE for approval as required under notification no. 37-3/Legal/2005 dated 16th May, 2005

- N. A. -

FACULTY :-

VI. (i) Branch wise list of faculty members:-

(This institute got its approval on Dt. 27-06-2008. Since this is its second year's programme, Hence the calculation of Student/ Faculty Ratio should be taken on overall basis as the subject is common to all)

No of Permanent Faculty	128
Visiting Faculty	5%
Adjunct Faculty	Nil
Guest Faculty	5%
Permanent Faculty: Student Ratio	1: 15

Number of faculty employed(E) and left(L) during the last three years :-

2013-14		2014-15	
E	L	E	L
20	06	22	Nil

VII. PROFILE OF DIRECTOR/PRINCIPAL WITH QUALIFICATION, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED :-

(i)

Name : Prof (Dr) . P.N. SINGH
Date of Birth : 28-10-1957
Age : 50 yrs
Academic qualifications (with field of specialization):
Ph.D. (IT) awarded on 2014, M.Tech. (CSE)
2011-12 B.Tech (Textile) 1982
Details of Experience (Academic / Industrial) :
Teaching : 36 Years
Research : 5 years



Area of specialization : Transformation of Object from derivation to delegation – better design for Object Oriented Models

Subject Teaching at Under Graduate Level : DBMS, C++

Subject Teaching at PG Level : NII

No of paper published : National Journals (17 nos.)
International Journals (8 nos)

Projects carried out : Communication and Cryptography

Patents :

Technology Transfer :

Research Pulications : 23 Nos

No. of Books published with details : 07 Nos

Date of the appointment in the present institution : 01-11-2014

Duration of employment at the Institute concerned : 4 Years

(ii) For each faculty give a page covering:

▶ Note:- Enclosed in **Annexure - II** (separate sheet for each faculty in department wise as per format given)

VIII. FEE :-

(i) **Details of fee, as approved by State fee Committee, for the Institution:-**

▶ First Year:-

Tuition Fee	55,000
Transport Fees	08,000
Total Fee	63000
Hostel Fee	35000

(The college has its own hostel for boys and outsourced provision for girls hostel to external agencies who provided accommodation, furniture, electrical fittings, News Paper, Magazines, TV, Telephone, Aqua Guard, Salary to mess staff, doctor ward boys, ad manager, sweepers, scavengers and cost of disinfectants, detergents, acids vaccum cleaning and cost of maintenance of electrical gadgets besides tube lights, fane motor pumps and host of other incidental expenses related to maintenance of hostels.)

Time scheduled for payment of fee for the entire program :-

Institute is providing two options for payment of fees i.e.

- (i) Yearly at the beginning of the academic year or
(ii) In semester wise.

(iii) **No. of fee waiver granted with amount and name of students:- As per Govt.**

(iv) **Number of scholarship offered by the Institute, duration and amount:-**

Sl.No.	Name of Scholarship	Duration	Amount
1.	Chairman's Scholarship	One year	Rs. 10,000/-
2.	PMS	As per Govt.	

(v) **Criteria for fee waivers/scholarship :-**

- Income certificate of students father or family member.
- Merit basis Joint Entrance Test (Rank holders)
- Carrier meritorious students (Academic 10th and +2)
- University toppers

(vi) **Estimated cost of boarding and lodging in hostels: - Rs. 35,000/- p.a.**

IX. ADMISSION :-

(i) Number of seats sanctioned with the year of approval:-

File No with date of first approval: F.No : E-2012973874/2014/EOA, 04-Jun-2014

(ii) Number of students admitted under various categories each year in the last three years:-

	Courses	2015-2016		2014-2015		2013-2014	
		Sancti oned intake	Actual admission s	Sanctio ned intake	Actual admissi ons	Sancti oned intake	Actual admissi ons
UG(FT)	Computer Science	60	Admission process is going on through OJEE/JEE MAIN Counseling	60	04	60	03
	Electronics & Communication Engg.	90		90	02	90	07
	Electrical Engineering	90		90	03	90	109
	Information Technology	60		60	0	60	0
	Mechanical	60		60	23	60	75
	Civil Engg	60		60	03	60	73
	Electrical and Electronics	60		60	04	60	49

(iii) Number of applications received during last two years for admission under Management Quota and number admitted:-

2015-2016		2014-2015		2013-2014	
Received	admitted	Received	admitted	Received	Admitted
As Per Counseling Presidure					

X. ADMISSION PROCEDURE:-

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

► J.E.E.(Joint Entrance Examination, Orissa), J.E.E. Complex, BPUT, Gandamunda, Bhubaneswar, Orissa, www.bput.org. www.jeeorissa.com

(ii) Number of seats allotted to different Test Qualified candidates separately [JEE MAIN/ OJEE / DET (State conducted test/University tests)/ Associated conducted test]: -

70% of the total seats are filled through JEE counseling, Orissa, 15% seats are filled from JEE MAIN

through JEE council and remaining 15% seats are filled NRI Quota

(iii) Calendar for admission against management/vacant seats: -

a) Last date for request for applications :-

▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination (ORISSA).

b) Last date for submission of application:

▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination (ORISSA).

c) Date of announcing final results:

▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination (ORISSA).

d) Release of admission list (main list and waiting list should be announced on the same day):

▶ As the seats are being filled through the central counseling conducted by JEE (ORISSA) the institution has no such list of its own. Details are available at www.jeeorissa.com

e) Date for acceptance by the candidate (time given should in no case be less than 15 days):

▶ As per the guidelines of Industries Department and Joint Entrance Examination (ORISSA).

f) Last date for closing of admission:

▶ As per the guideline of admission rules/procedure prescribed by Joint Entrance Examination, ORISSA.

g) Stating of the Academic session: Last week of August of every year

h) The waiting list should be activated only on the expiry of date of main list:

▶ As the admissions are through JEE central counseling, hence no waiting list is being maintained by the institute.

The policy of refund of the fee, in case of withdrawal, should be clearly notified:

▶ The Institute is refunding the fees after receiving seat cancellation letter from the student/parent and the same is communicated to the University as per the guidelines of JEE, Orissa.

XI. CRITERIA AND WEIGHTAGES FOR ADMISSION:-

(i) **Describe each criteria with its respective weightages i.e. Admission Test, marks in qualifying examination etc:-**

▶ For admission process the Institute follows the guideline of admission rules/procedure prescribed by Joint Entrance Examination, Orissa for its regular courses. The candidates not qualified in JEE/AIEEE shall not be allowed for admission.

(ii) **Mention the minimum level of acceptance, if any: -**

▶ Passed + 2 science with (PCM), required to submit a rank from (JEE, Orissa/AIEEE Test)

(iii) **Mention the cut-off levels of percentage & percentile scores of the candidates in the admission test for the last three years: -**

-Not Applicable-(As the admissions are through central counseling J.E.E. Orissa)

(iv) **Display marks scored in Test etc. and in aggregate for all candidates who were admitted:-**

-Not Applicable-As the admissions are through central counseling J.E.E. Orissa

XII. APPLICATION FORM: -

(i) **Downloadable application form, with online submission possibilities:-**

▶ JEE-Orissa reserves all rights for selling of the application forms. The same application forms are available in bank counters or all over Orissa state on payment basis.

XIII. LIST OF APPLICANTS:-

(i) All the applications are received by J.E.E., Orissa and the admission is undertaken through central counseling based on JEE/AIEEE ranks.

▶ The JEE, Orissa is maintaining the list. 15% management quota seats exists at the college level as per the notification of Industries Department, Govt. of Orissa.

XIV. RESULTS OF ADMISSION UNDER MANAGEMENT SEAT/VACANT SEATS :-

(i) Candidates having valid JEE Main/ OJEE ranks are eligible for admission under vacant NRI seats. The Institute invites applications from such candidates and prepares a merit list of candidates in branch wise and submit to the JEE counseling for such verification and approval for admission.

▶ 15% of the allotted seats are reserved under NRI/Management quota as per the notification given by Govt. of Orissa 2008.

- (ii) Score of the individual candidates admitted arranged in order of merit.
 - ▶ The merit lists have been prepared as per the JEE, Orissa norms,
- (iii) List of candidates who have been offered admission.
 - ▶ - Not applicable- (As the Students Counseling is continuing)
- (iv) Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
 - Not Applicable-(Institute is following the admission rules & procedure of JEE Counseling Orissa)
- (v) List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.
 - ▶ The vacancy position in each category before admission is not available in the Institute. However, the Institute is following the admission rules & procedure of JEE, Counseling Orissa.

XV. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE: -

- (i) **LIBRARY**
 - a) **Number of Library books/Titles/Journals available (Programme-wise):-**
 - ▶ B. Tech. Engineering - 21000 nos
 - b) **List of online National/International Journals subscribed:- 08**
 - c) **E-Library facilities: -** Yes
- (ii) **LABORATORY :-** Details of Laboratories & Workshops

DEPARTMENT OF CIVIL ENGINEERING

3rd SEM

(PCCE7207)

SL. NO

01.
02.
03.
04.

CIVIL ENGINEERING DRAWING

NAME OF EQUIPMENT

DRAWING BOARD
DRAWING TABLE
DRAFTER
GEOMETRIC BOX

4th SEM

(PCCE7205)

SURVEY FIELD WORK

SL.NO

01.
02.
03.
04.
05.
06.
07.
08.
09.
10.
11.

NAME OF THE EQUIPMENT

METRIC CHAIN 20M,30M
METALLIC TAPE 30M,15M
STEEL TAPE -30M
RANGING RODS -2M & 3M
OFFSET RODS-2M &3M
OPTICAL SQUARE
PRISM SQUARE
LINE RANGER
PRISMATIC COMPASS WITH TRIPOD STAND
PLUMB- BOB
CLINOMETER

12. PLANE TABLE WITH TRIPOD STAND
13. U- BOOK
14. TROUGH COMPASS
15. ALIDADE WITH SCALE (BRASS)
16. SPRIT LEVEL
17. DUMPY LEVEL WITH TRIPOD STAND
18. AUTO LEVEL
19. LEVELLING STAFF
20. TRANSIT THEODOLITE
21. ELECTRONIC THEODOLITE
22. TOTAL STATION WITH ACCESSORIES
23. TACHEOMETER
24. PLANIMETER

(PCCE7210)

HYDRAULLICS MACHINE LAB

01. PIEZOMETER
02. BOURDEN TUBE PRESSURE GAUGE
03. VENTURIMETER
04. BERNOULLIS APPARATUS WITH ACCESSORIES
05. MANOMETER
06. PITOT TUBE
07. METACENTRIC HEIGHT APPARATUS WITH SLOTTED WEIGHT
AND TANK
08. PIPE APPARATUS WITH ALL ACCESSORIES
09. STOP WATCH
10. HYDRAULIC BENCH WITH ALL ACCESSORIES
11. NOTCHES WITH TANK(5*3*1')

a. Rectangular b.triangular (1)30 (2)45
c.trapizoidal
12. REYNOLDS APPARATUS
13. TUBINES (a) PELTON WHEEL
(b)FRANCIS
14. PUMPS (a) SINGLE ACTING PUMP
(b)RECIPROCATING PUMP

(PCCE7209)

MATERIAL TESTING LAB

01. NEEDLE VIBRATING MACHINE
02. MORTAR MIXTURE
03. CONCRETE MIXTURE & VIBRATOR
04. PERMEABILILTY TESTER
05. FLOW TABLE
06. AIR PERMEABILITY APPARATUS
07. SIEVES
08. CYLINDER & PLUNGER FOR CRUSHING
09. SLUMPTTEST APPARATUS
10. LE-CHATELIER MOULD
11. UNIVERSAL COMPRESSIVE TEST MACHINE
12. VERNIER CALLIPER
13. STOP WATCH
14. DIAL GAUGE

5TH SEM

(PCCI7302)

GEOTECHNICAL ENGINEERING LAB

01. THEROSTATICALLY CONTROLLED OVEN
02. ELECTRONIC BALANCES
03. DENSITY BOTTLES
04. PYCNOMETER
05. SIEVES
06. SIEVES SHAKER MACHINE
07. HYDROMETER
08. CASAGRANDE DEVICE WITH ALL ACCESSORIES
09. PROCTOR COMPACTION TEST APPARATUS
10. MODIFIED COMPACTION TEST APPARATUS
11. CYLINDRICAL CORE-CUTTER WITH DOLLY
12. (A) STOP WATCH (B) METER SCALE (C) BEAKER
13. MIXING PAN OR TRAY
14. (A) SHRINKAGE DISH (B) EVAPORATING DISH
(C) GLASS CUP (D) SPATULA (E) STRAIGHT EDGE

(PCCI7301)

CONCRETE & STRUCTURAL LAB

01. COMPRESSION TESTING MACHINE
02. FLOW TABLE APPARATUS
03. MOULD STEEL & BASE PLATE
04. SLUMP TEST APPARATUS WITH TAMPING ROD
05. COMPACTION FACTOR APPARATUS
06. CRUSHING VALUE APPARATUS
07. VICAT APPARATUS

6TH SEM

ENVIRONMENTAL ENGINEERING LAB

01. PH METER
02. TURBIDIMETER
03. NESTLER TUBE
04. WATER TESTING KIT
05. THERMOSTATICALLY CONTROLLED OVEN
06. THERMOMETER
07. ELECTRONIC BALANCE
08. INCUBATOR
09. JAR
10. TEST TUBE
11. BOD TEST DEVICE
12. DIGITAL AIR VOLUME DEVICE
13. CHLOROSCOPE
14. PORCELAIN DISH
15. MEASURING CYLINDER
16. BEAKER
17. FILTER PAPER
18. FUNNEL
19. CONICAL FLASK
20. BURETTE
21. WHITE TILE
22. PIPETTE

23. LAB. FLOCULATOR COMPLETE WITH STIRRING DEVICE

TRANSPORTATION ENGINEERING LAB

- 01. CBR APPARATUS
- 02. LOS ANGES ABRATION
- 03. IMPACT TEST MACHINE
- 04. COMPRESSION TESTING MACHINE
- 05. VISCISITY TEST APPARATUS
- 06. DUCTILITY TEST APPARATUS
- 07. MARSHALL STABILITY TEST APPARATUS
- 08. ABRATION TEST APPARATUS
- 09. FLASH & FIRE POINT TEST APPARATUS
- 10. SOFTENING POINT TEST APPARATUS
- 11. SPECIFIC GRAVITY & WATER ABSRPTION TEST APPARATUS
- 12. PENETRATION TEST APPARATUS

DEPARTMENT OF MECHANICAL ENGINEERING

HYDRAULIC MACHINE LABORATORY(4thsem)			
Sl. No.	ITEM	Quantity	Working / Not Working
1	Impact Of Jets on Vanes	01	Working
2	Performance Tests on Single Stage Centrifugal Pump Closed Loop	01	Working
3	Performance Tests on Reciprocating Pump Closed Loop	01	Working
4	Gear Oil Pump Test Rig	01	Working
5	Turbine Runners & Pump Impellers.	01	Working
6	Performance Tests on Pelton Wheel Turbine	01	Working
7	Performance Tests on Francis Wheel Turbine	01	Working

FLUID MECHANICS LABORATORY(4thsem)			
Sl. No.	ITEM	Quantity	Working / Not Working
1	Bernoulli's Theorem Apparatus	01	Working
2	Pipe Friction Apparatus	01	Working
3	Mouth Pieces & Orifice Apparatus	01	Working
4	Rotometer Flow Measurement Study Apparatus	01	Working
5	Flow Through Notches Apparatus	01	Working
6	Flow Through Nozzle Apparatus	01	Working
7	Meta Centre Apparatus	01	Working

IC ENGINES & THERMAL LABORATORY(5th SEM)			
Sl. No.	ITEM	Quantity	Working / Not Working
1	Testing of 4 stroke cylinder Diesel Engine Test Rig.	01	Working
2	Testing of 4 stroke cylinder Petrol Engine Test Rig.	01	Not Working
3	Testing of 2 stroke single cylinder air compressor test rig	01	Not Working
4	Valve Timing Diagram of 04 Stroke Diesel Engine	01	Working
5	Valve Timing Diagram of 02 Stroke Petrol Engine	01	Working
6	Valve Timing Diagram of 04 Stroke Petrol Engine	01	Working
7	Exhaust Gas Analysis by Orastat Apparatus	01	Working

8	Calibration of Bourden Type pressure gauge (Dead Weight)	01	Working
9	Water Tube Boiler Model	01	Working
10	Fire Tube Boiler Model	01	Working
11	Model Carburetor	01	Working
12	Fuel Injection System	01	Working
13	Testing of 2 stroke single cylinder Petrol Engine test rig	01	Working

REFRIGERATION & AIR CONDITIONING LABORATORY(7TH SEM)

Sl. No.	ITEM	Quantity	Working / Not Working
1	Almech Calibration of Thermocouples	01	Working
2	Almech Study of Power Plant	01	Working
3	Asian Pneumatic Circuit Model	01	Working
4	Almech Ice Plant Test Rig	01	Not Working
5	Almech Refrigeration Test Rig	01	Working
6	Almech Air conditioning Test Rig	01	Working
7	Almech Study of Air Conditioning Equipments, Cut Section model of Components	01	Working
8	Almech Rotameter Test Rig	01	Working

MATERIAL TESTING LABORATORY(4TH SEM)

Sl. No.	ITEM	Quantity	Working / Not Working
1	Universal Testing Machine	01	Working
2	Hardness Testing Machine	01	Working
3	Impact Testing Machine	01	Working
4	Trinocular Metallurgical Microscope	01	Working
5	Fatigue Testing Machine	01	Not Working
6	Torsion Testing Machine	01	Not Working
7	Auto Collimeter	01	Working

HEAT TRANSFER LABORATORY(6TH SEM)

Sl. No.	ITEM	Quantity	Working / Not Working
1	Thermal Conductivity Apparatus	01	Working
2	Composite Wall Apparatus	01	Working
3	Stefan Boltzmanns Apparatus	01	Working
4	Heat Exchanger Apparatus	01	Working
5	Forced Convection Apparatus	01	Working
6	Natural Convection Apparatus	01	Working
7	Pin Fin Apparatus	01	Working
8	Emissivity Apparatus	01	Working

MECHANICAL MEASUREMENT LABORATORY (7TH SEM)

Sl. No.	ITEM	Quantity	Working / Not Working
1	Magnetic Base with Fine Adjustment Arm	01	Working

2	Micrometer (Inside Diameter) (50-250 mm)	01	Working
3	Micrometer (50-75 mm)	01	Working
4	Micrometer (0-25 mm)	02	Working
5	Dial Indicator (Range 0-10 mm)	01	Working
6	Angle Testing Set	01	Working
7	Tool Box Containing 29 Different Tools	03	Working
8	Wet and Dry Thermometer	11	Working
9	Vernier Caliper (200 * 0.02 mm)	01	Working
10	Vernier Height Gauge (0-300 mm *12")	01	Working
11	Sine Bar	01	Working
12	Go & No-Go gauge	01	Working
13	Freon Charging Line	01	Working
14	Steel Sine Bar	01	Working
15	Depth Micrometer (0-100 mm)	01	Working
16	V-Block	03	Working
17	Moving Iron Meter (0-300 Volt)	01	Working
18	Prince Water Meter	01	Working
19	Temperature Measuring Meter	01	Working
20	Sundry Assets (Cylinder)	02	Working
21	Weight (5ATA and 1ATA)		Working
22	Consumables (ORSAT Solution)		Working
23	Sodium Hydroxide		Working

CAD CAM LABORATORY (7TH SEM)			
Sl. No.	ITEM	Quantity	Working / Not Working
1	Systems (CPU – 20, Key Boards – 20, Monitor – 20)	20	06 CPU Not Working
2	Mouse	10	Working
3	UPS	01	01 Not Working
4	Batteries	20	20 Not Working

WORKSHOP (SMITHY SECTION)(1ST/2ND sem)						
Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks
1	Anvil – 50 Kgs Capacity	01	01	-	-	-
2	Swage Block	01	01	-	-	-
3	Hand Blower 12" Size	02	-	-	-	-
4	Chimney For Fire Works	01	-	-	-	Installed
5	Hammers of Different Size / Wt.	27	-	01	02	
6	Tongs	23	-	-	-	-
7	Electric Blower (220V – 1300 RPM)	01	-	-	-	-
8	Hot Chisel 5" Size	02	-	-	-	-
9	Asbestos Hard Gloves	03 Pairs	-	-	-	01 Pair Consumed

WORKSHOP (SMITHY SECTION) (1ST/2ND sem)						
Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks

1	Bench Drill 1 HP Capacity 13 mm	01	-	-	-	-
2	Bench Grinder	01	-	-	-	-
3	Hand Drill (Without Power)	02	-	-	-	-
4	Wheel Brace	01	-	-	-	-
5	Portable Electric Drill (Model PPT-1D-13)	01	-	-	-	-
6	Drilling Vice	01	-	-	-	-
7	Socket Drift	01	-	-	-	-
8	H.G. Drill Sleeve	01	-	-	-	-
9	Tapered Shank	03 (01 Set)	-	-	-	-
10	Files of Different Size such as Flat, Round, Triangular consisting of rough & smooth	160	-	-	-	-
11	Shearing Machine 10 CH	01	-	-	-	-
12	Hack Saw Frame	34	-	-	-	-
13	Centre Punch / Dot Punch	35	-	-	-	-
14	Number Punch + Letter Punch	03 + 03	-	-	-	-
15	Tri Square	23	-	-	-	-
16	Surface Plate 44 * 44 cm	01	-	-	-	-
17	Surface Plate 30 * 30 cm	01	-	-	-	-
18	V – Block Length 15 cm	02	-	-	-	-
19	V – Block Length	02	-	-	-	-
20	Angle Plate 19 cm	01	-	-	-	-
21	Scales Steel 1 Metre	01	-	-	-	-
22	Steel Scale 24" Size	07	-	-	-	-
23	Steel Scale 30 cm (12")	20	-	-	-	-
24	Sly Wrench 08Inch + 10 Inch	02	-	-	-	-
25	D Spanners of Different Size (Total 40 Pieces)	03 Sets	-	-	-	-
26	Ring Spanner 11 Pieces	01	-	-	-	-
27	Screw Driver 350 mm	01	-	-	-	-
28	Screw Driver Tester Type	01	-	-	-	-
29	Screw Driver (Small Size)	03	-	-	-	-
30	Tap Wrench (For Locking and unlocking)	01	-	-	-	-
31	Vernier Caliper 8 cm long	04	-	-	-	-
32	Vernier Caliper Digital Type	01	-	-	-	-
33	Vernier Caliper 6 inch size	02	-	-	-	-
34	Tap Handle	02	-	-	-	-
35	Die Handle for 10 mm hole	01	-	-	-	-
36	Die Handle for 5 mm hole	01	-	-	-	-
37	Drill Bits range of Dia 03 mm to Dia 10 mm	30	-	-	-	Consumable
38	Drill Chuck 12 mm	02	-	-	-	-
39	Socket Sleeve	01	-	-	-	-
40	Socket Drift	01	-	-	-	-
41	Pipe Wrench of 14"	01	-	-	-	-
42	Drill Bit of Dia 25 mm	01	-	-	-	-
43	Drill Bit of Dia 32 mm	01	-	-	-	-

44	Drill Chuck ¾" Cap	01	-	-	-	-
45	Cutting Plier	02	-	-	-	-
46	Tin Cutter of Different Size	05	-	-	-	-
47	Bench Vice No. 2, 3 & 4	24	-	-	-	-
48	Mini Table Vice	01	-	-	-	-
49	Mini Hand Vice	01	-	-	-	-
50	Divider 6" Size	17	-	-	-	-
51	Allen Key (Nos. 1 to 10)	01 Set of 19 Nos.	-	-	-	-
52	Sly wrench 200mm + 250 mm	02	-	-	-	-
53	Pipe Vice No. 2	01	-	-	-	-
54	Pipe Wrench Chain Type	01	-	-	-	-
55	Tap & Die Set (01 Box for each set)	03 Sets	-	-	-	-
56	Box Wrench	01 Set				

WORKSHOP (CARPENTRY SECTION) (1st/2nd sem)

Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks
1	C – Clamp	02	-	-	-	-
2	U – Clamp or D – Clamp	02	-	-	-	-
3	Hand Saws + Tenon Saws of different Sizes	48	-	01	-	-
4	Wooden Mallet	10	-	-	-	-
5	Bevel Gauge	06	-	-	-	-
6	Marking Gauge	09	-	-	-	-
7	Chisels (Includes All types of Chisels)	50	-	-	-	-
8	Foot Rule 2 ft 4 fold	08	-	-	-	-
9	Rasp Cut File	14	-	-	-	-
10	Carpentry Vice	10	08	-	-	-
11	Iron Jack Plane	26	-	-	-	-
12	Angles ½" + 3/8"	02	-	-	-	-
13	Flattener Each 300 gm	03	-	-	-	-
14	Inside Caliper	01	-	-	-	-
15	Outside Caliper	04	-	-	-	-
16	Sprit Level 100 mm length	02	-	-	-	-
17	Spirit Level 300 mm + 200 mm	02	-	-	-	-

WORKSHOP (GAS WELDING & SOLDERING) (1st/2nd sem)

Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks
1	Oxygen Cylinder with Regulator	01	-	-	-	-
2	Acetylene Cylinder with Regulator	01	-	-	-	-
3	Blow Torch	01	-	-	-	-
4	Cutting Torch	01	-	-	-	-
5	Gas Lighter	06	-	-	-	-
6	Nozzles of Different Type	05	-	-	-	-

7	Goggles for Gas Welding	02	-	-	-	-
8	Gas Cutting Nozzle	01	-	-	-	-
9	Soldering Iron (Electric)	01	-	-	-	-
10	Acetylene Regulator	01	-	-	-	-
11	Oxygen Regulator	01	-	-	-	-
12	Soldering Iron (Without Electricity)	10	-	-	-	-

WORKSHOP (ELECTRIC ARC & WELDING PLANT) (1st/2nd sem)

Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks
1	Air Coded Step Drom Transformer (With Electrode holder & hose pipe)	01 Set	-	-	-	-
2	Goggles for Arc Weld	01	-	-	-	-
3	Hand Screen	08	-	-	-	-
4	Air Cooled Welding Transformers with Accessories	-	-	-	01 Set	Issued to Mr. Madhu & Ramarao
5	Chipping Hammer	01	-	-	-	-

WORKSHOP (MIG WELDING PLANT) (1st/2nd sem)

Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks
1	MIG Welding Machine	01	-	-	-	-
2	Carbon Dioxide Cylinder	01	-	-	-	-
3	SPARE PARTS Electronic Card of MIG Welding Machine EXBOXXE MP5 – 4TF	01	-	-	-	-
4	SPARE PARTS Gas Nozzle ML – 250 Contract Tip FO 8 * 28 mm Tip Adapter Liner Steel 4 Mo	01 01 02 01	- - - -	- - - -	- - - -	- - - -

WORKSHOP (TURNING & MACHINE SHOP)(3rd sem)

Sl. No.	Name of the ITEM With Specification	Qty. Existing (Workable)	Qty. Broken	Qty. Missing	Qty. Issued	Remarks
1	Lathe Machine 6 ft Length Bed (With Motor)	04	-	-	-	-
2	Lathe Bed Length 3 ft	01	-	-	-	-
3	Lathe Bed Length 6 ft	01	-	-	-	-
4	Turret Lathe	-	01	-	-	Old Machine has become Obsolete
5	Milling Machine	01	-	-	-	-
6	Shaper Machine	01	-	-	-	-

7	Power Hack Saw with 1 HP Motor	01	-	-	-	-
8	Circular Saw (Fabricated in Workshop) without Motor	01	-	-	-	-
9	Vertical Slotter Machine Model SLP – 2	01	-	-	-	-
10	Horizontal Surface Grind Machine PSG – 200	01	-	-	-	-
11	Heavy Duty Double Column Planer Machine with 3 HP Motor	01	-	-	-	-
12	Heavy Duty Lathe Machine Model – ST – 6 (With 2 HP Motor)	01	-	-	-	-
13	Tool Holding Set	11	-	-	-	-
14	Boring Bar Set	01	-	-	-	-

15	Revolving Centre (Dead Centre)	01	-	-	-	-
16	Revolving Centre	02	-	-	-	-
17	Milling Machine Arbor	01	-	-	-	-
18	Reamer H – 10, H – 10, H - 11	03	-	-	-	-
19	Oil Cane	02	-	-	-	-
20	Knurling Tool	02	-	-	-	-
21	Knurling Tool 6 Pc. Per set	02 Sets	-	-	-	-
22	Surface Gauge	05	-	-	-	-
23	Surface Gauge	02	-	-	-	-
24	Pitch Gauge	01	-	-	-	-
25	Milling Cutter No. 3, 4 & 5	03	-	-	-	-
26	Slab Milling Cutter 3*4*1	01	-	-	-	-
27	Metal Slitting Cutter 4” Dia.	01	-	-	-	-
28	Metal Slitting Cutter 6” Dia.	01	-	-	-	-
29	Metal Slitting Cutter 5” Dia.	01	-	-	-	-
30	Milling Cutter No. 4 (to cut 34 to 54 teeth)	01	-	-	-	-
31	Shaper Machine Vice	01	-	-	-	-
32	Milling Cutter No.3 – 7DP	01	-	-	-	-
33	3 Jaw Self Centering Chuck	-	01	-	-	Not Working
34	Vernier Height Gauge	01	-	-	-	-
35	Dog chuck 14” Size	01	-	-	-	-
36	Self Jaw Chuck 8” Size	01	-	-	-	-
37	Gear Teeth Vernier Caliper	01	-	-	-	-
38	Micrometer 0 - 25	01	-	-	-	-

39	Micrometer 50 – 75	01	-	-	-	-
40	Study Rest	07	-	-	-	-
41	Face Plate	04	-	-	-	-
42	Dial Test Indicator (For use with Surface Gauge)	01	-	-	-	-
43	Sine Bar with Slip Gauge	01 Set	-	-	-	-
44	Telescoping Gauge	01	-	-	-	-

45	Surface Gauge with Magnetic Base (Without DTI)	01	-	-	-	-
46	Vertical tool Head for Milling Machine	02	-	-	-	-
47	Dog Carrier	01	-	-	-	-

DEPARTMENT OF ELECTRICAL ENGINEERING AND ELECTRICAL & ELECTRONICS ENGINEERING

EXPERIMENT LIST	EQUIPMENT LIST	QUANTITY
Connection and Measurement of Power Consumption of a fluorescent lamp	fluorescent lamp Trainer KIT	01 SET
	1-Phase, 5A VARIAC	
	Portable AC Voltmeter Range: 0/150/300Volt	01
	Portable AC Ammeter Range: 0/1/2A	01
	Portable Watt meter Range: 1A, 150/300/600Volts (UPF type, P.F.=1)	01
	Watt meter Range: 0.5/1A, 62.5V/125/250V (LPF type, P.F.=0.2)	01
Study and measurement the Armature & Field Resistances of a DC Compound Motor	DC Compound Motor, 3HP, 12A, 220V DC, 1500 RPM, SPDP, foot Mounted type	01
	Pony Brake Arrangements	01
	4-Point starter, face plate hand operated type for 3HP Motor	01
	Control Panel for performing experiment on DC Compound Motor	01
	Make Portable DC Voltmeter Range: 0/150/300Volts	01
	Portable DC Ammeter Range: 0/1/2A	01
	Portable DC Ammeter Range: 0~10/20A	01
Speed control of DC Motor by armature control and field excitation control .	DC Shunt Motor, 3HP, 12A, 220V DC, 1500 RPM, SPDP, foot Mounted type	01
	3-Point starter, face plate hand operated type for 3HP Motor	01
	Control Panel for performing experiment on DC Shunt Motor	01
	Pony Brake Arrangements	01
	Portable DC Voltmeter Range : 0/150/300V	01
	Portable DC Ammeter Range: 0/1/2A	01
	Portable DC Ammeter Range: 0~10/20A	01

	Variable Rheostats: 50Ω X 10A (useful for Armature Control Method)	01
	Variable Rheostats: 1,200 Ω X 0.9A (useful for Field Control Method)	01
V-I characteristics of Incandescent Lamps and time fusing current Characteristics of fuse	VI & TI characteristic Trainer KIT	01
	Portable AC Voltmeter Range: 0/150/300Volts	01
	Portable AC Ammeter Range: 0/1/2A	01
Connection and testing of a 1-phase Energy meter	Energy Meter Experimental Panel Board	01
	1-Phase Variac, 15A Input: 0 ~ 230, Output: 0 ~ 270Volts	01
Connection and Starting of a 3-Phase Induction Motor, using DOL/Y-Δ Starter	Squirrel Cage I. M., 3HP, 3-phase, 415 V, 1440rpm, 50 HZ,	01
	Direct on line starter for the above motor	01
	Y-Δ Starter for the above motor	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	Control Panel for performing experiment on Squirrel Cage Induction Motor	01
	Portable AC Voltmeter Range : 0-300/600Volts	01
	Portable AC Ammeter Range : 0-10/20A	01
Determination of Open circuit Characteristics (OCC) of DC Shunt Generator	DC Shunt Motor, 3 HP, 220V DC, 1500 RPM, SPDP, foot Mounted type coupled with DC Shunt Generator of 2 KW, 220 V DC, 1500 RPM, SPDP, foot Mounted type	1 set
	Field Regulator for the DC Shunt motor, 3 HP	01
	Field Regulator for the DC Generator-2 KW	01
	3-Point starter, face plate hand operated type for 3HP Motor	01
	Control Panel for the above MG Set:	01
	Portable DC Voltmeter Range: 0/150/300Volts	01
	Portable DC Ammeter Range: 0/1/2A	01
	Portable DC Ammeter Range: 0~10/20A	01

Measurement of current, voltage & power in RLC series circuit excited by 1Ø supply and calculate of power factor	Variable Rheostats: Range: 750Ω X 1.2A	01
	Variable Inductor/ Inductive load box Capacity : 5A, 1-phase, 220/240Volts, 50Hz	01
	Capacitive load box Capacity : 5A, 1-phase, 220/240Volts, 50Hz	01
	Portable AC Voltmeter Range: 0/150/300Volts	01
	Portable AC Ammeter Range: 0/1/2A	01
	Portable Watt meter Range: 1/2A (or 2.5/5A), 300V, (UPF type, P.F.=1)	01
	Range: 1/2A , 300V, (LPF type, P.F.=0.2)	01
	Portable Power factor meter Range: 2A, 150/300/600V	01
Calculation of No-load losses of a 1-phase Transformer	1-Phase VARIAC, 10A Input: 0 ~ 230, Output: 0 ~ 270Volts	01
	Transformer : 1KVA (ratio 1:2)	Each
	1-Phase Variac, 10A Input: 0 ~ 230, Output: 0 ~ 270Volts	Each
	Portable AC Voltmeter : 0-300Volts	Each
	Portable AC Ammeter : 0-2.5/5 A	Each
	Watt Meter Range: 1/2A (or 2.5/5A), 300V, (UPF type, P.F.=1)	Each
	Range: 1/2A (or 2.5/5A), 300V, (LPF type, P.F.=0.2)	Each
Study of a Single phase Fan Motor With Angle frame, terminals, switch, Indicator and Hylam Sheet	Study of a Single phase Fan Motor With Angle frame, terminals, switch Indicator and Hylam Sheet	01
AC&DC Distribution Panel"		01
DC – Power / Rectifier Unit		01
If a continuously variable output of 0 -220Volts DC is required, a VARIAC of suitable rating will be provided at the input side. For rectifier unit of capacity 80Amps		01
For the smoothing out the pulsating DC output, a DC –Choke Capacitor filter circuit can be provided in the unit and the rate for the same will be For rectifier unit of capacity 80Amps.		01
Contact type Digital Tachometer (Range:- (0~9,999 rpm)		01

Verification of Network Theorems Superposition, Thevenin, Norton, Maximum Power Transfer (4-in-1), in-built Power supply.		01set
Study of DC and AC transients		01set
Determination of circuit parameters: Open circuit and short circuit parameters.		01set
Determination of circuit parameters: Hybrid and Transmission Parameters.		01set
Frequency response of Low passes Filter		01
Frequency response of High pass Filter		01
Frequency response of Band pass and Band Elimination Filters.		01set
Determination of self inductance, mutual inductance and coupling coefficient of a single phase two winding transformer representing a coupled circuit.		01set
Study of resonance in R-L-C series circuit.		01set
Study of resonance in R-L-C parallel circuit.		01set
Spectrum Analyzer with Demonstration KIT		01set
FUNCTION GENERATOR : 1MHZ		02nos
Experiment No.- 01 Study of V-I Characteristics of SCR, TRIAC, and MOSFET.	Study of V-I characteristics of power semiconductor devices:	01
Experiment No.- 03 To measure the Latching & Holding Current of a SCR		
Experiment No.- 02 Study the V-I characteristics of UJT:	Study of V-I characteristics of UJT	01
Experiment No.- 04 A) Study of synchronized UJT Triggering Circuit B) Study of Cosine Controlled Triggering Method	01-Study of synchronized ujt triggering circuit study of cosine controlled triggering method	01
Experiment No.- 05 Study of Single Phase Half Wave Controlled Rectifier and Semi Converter Circuit with R & RL load.	single phase half & fully controlled converter	01
Experiment No.- 06 Study of Single Phase Full Wave Controlled Rectifier Circuits (Midpoint and Bridge type) with R & RL load.	single phase full wave controlled rectifier(mid point & bridge type)	01
Study of 3-Phase Full Wave Controlled Rectifier Circuits (Full and Semi Converter) with R & RL load.	three phase half & fully controlled converter	01
Experiment No.- 08 Study of the Forward Converter (Buck converter) and Fly Back Converter (Boost converter) Operation.	mosfet based buck-boost converter	01
Experiment No.- 09 Study of Single Phase PWM Voltage Source Inverter.	TRAINER KIT	01
Experiment No.- 10 Study the Performance of Three Phases VSI with PWM Control.		
Experiment No.-11 Study the performance of single phase AC Voltage	study of ac voltage control:	01

Controller with R & R-L load.		
Experiment No.- 12 Ramp Comparator Scheme of Regulating AC Power Using TRIAC and Opto Isolator.	TRAINER KIT	01
Experiment No.- 13 Study of the Resonant Inverter.	single phase modified series inverter	01
LCR Meter		01
Digital Oscilloscope -30Mhz		01
Digital Portable Voltmeter 0-20V/200Volts DC		01
Digital Portable Ammeter: 0-200mA/2A		01
Experiment No-01 To determine negative and zero sequence synchronous reactance of an Alternator.	Alternator of 3KVA, 3-phase, 415V, 50 HZ separately excited type coupled with DC Shunt Motor of 5 HP, 220 V, 1500 RPM, SPDT foot mounted type.	01
Experiment No-02 To determine sub-transient direct axis and sub-transient quadrature axis synchronous reactance of a 3-Phase Salient Pole Alternator.	3-Point starter for the above 5HP Motor	01
	Field Rheostats for the above 5HP Motor Range :750Ω X 2A	01
	Field Rheostats for the above 3 KVA Alternator Range :750Ω X 1.2A	01
	Experimental Panel Board for the above Motor Alternator	01
	VARIAC, Input: 415V, Output: 0~470V, 8A, 3-Ø, Air cool type, enclosed model	01
	TPDT Knife Blade Switch	01
Experiment No.-04 To study the IDMT Over current Relay and with different plug setting and time setting multipliers and plot its time current characteristics.	IDMT Over Current Relay With Testing Kit	01
	RELAY: Over Current (Non-directional)Current Rating CTSecondary: 1 /5Amps Auxiliary Voltage:220/110/48/24Volts AC/DC	01
	RELAY TESTING KIT :	01
Experiment No.-05 To determine the operating characteristics of biased different relay with different % of biasing.	Biased Differential Relay With Testing Kit	01
	RELAY: Percentage Biased differential Relay : L&T Trip Time Characteristic : DMT Current Rating CT Secondary: 1 / 5 Amp Auxiliary Voltage : 220 /110 /48 /24 Volts AC/DC	

Experiment No. -11 Insulation test for Transformer Oil.	oil testing kit input:-230volt, 50hz, 1-phase output:- 60kv	01
Experiment No. -07 To determine A, B, C, D, parameters of an artificial transmission line. Experiment No. -08 To compute series inductance and shunt capacitance per phase per km of a three phase line with flat horizontal spacing for single stranded and bundle conductor configuration. Experiment No. -10 To study the Ferranti Effect and voltage distribution in HV long transmission line using transmission line model	electrical power transmission line training system -	01
<u>Experiment no-01</u> Speed Control of Single Phase Induction Motor by Using Single Phase AC to AC Convertor	Speed Control of Single Phase Induction Motor (0.5HP) by using Single Phase AC Voltage Controller TRAINER KIT	01
	Single phase isolation Transformer with tapings -230V/5A	01
	Single phase induction motor 0.5H.P/230V/1440 RPM with mechanical loading arrangement	01
	Digital Tachometer(Contact)	01
	10:1 CRO Probe.	01
<u>Experiment no-02</u> Speed Control of Separately Excited DC Shunt Motor using Single Phase Fully Controlled AC to DC Converter:-	Speed Control of Separately Excited DC Shunt Motor(1HP)using Single Phase Fully Controlled AC to DC Converter TRAINER KIT	01
	1-Phase isolation Transformer with tapings 0-230V/5Amps.	01
	DC Shunt Motor 1HP, 220V with Mechanical Loading arrangement.	01
	10:1 CRO Probe	01
	Digital Tachometer	01
<u>Experiment no-03</u> Speed Control of Separately Excited DC Shunt Motor using Four-Quadrant Chopper	TRAINER KIT	01
<u>Experiment no-04</u> Speed Control of Separately Excited DC Shunt Motor using Single Phase Dual Converter	Single phase Dual converter power circuit-230V/5A suitable for 1HP DC shunt motor.	01
	Single Phase dual converter firing Unit	01
	Single phase Isolation Transformer with tapings.230V/5A	01
	Circulating current limiting Inductors-5A	2No

	DC Shunt Motor 1H.P/220V and Mechanical Loading arrangement with spring balance	01
	10:1 CRO Probe	01
	Digital Tachometer(Contact)	01
<u>Experiment no-05</u> Speed Control of Three Phase Squirrel Cage Induction Motor using Three Phase AC to AC Controller	Speed Control of Three Phase Squirrel Cage Induction Motor (3HP)using Three Phase AC to AC Controller:-	01
	Three Phase Squirrel Cage Induction Motor 3HP, 3-Phase, 415V	01
	Mechanical loading arrangement.	01
	Squirrel Cage Induction Motor 0.5HP, 3-Phase, 220Volt	01
<u>Experiment no-07</u> Speed Control of Three Phase Slip Ring Induction Motor using Rheostatic Control Method.	TRAINER KIT	01
<u>Experiment no-08</u> Speed Control of DC Shunt Motor using Three Phase AC to DC Converter	TRAINER KIT	01
	Primary: Isolation Transformer – 3-Phase, 2KVA, 415V/230Volt	01
	DC Shunt Motor 1HP/220V with Mechanical Loading arrangement	01
<u>Experiment no-09</u> Determinations of the transfer function of DC Shunt Motor. <u>Experiment no-10</u> Determination of the Moment of Inertia of DC Shunt Motor Drive System by Retardation Test.	TRAINER KIT	01
Experiment No-01 To determine the voltage regulation of an alternator by zero power factor method.	Alternator of 3KVA, 3-Ph, 415V,50Hz Separately excited type (Salient Pole type) coupled with DC Shunt Motor of 5HP, 220 V, 1500 RPM,)	01
Experiment No-12 To determine the voltage regulation of an alternator by synchronous Impedance method.	3-Point starter for the above 5HP Motor	01
	Field Rheostat for DC Motor of 5HP	01
	Field Rheostat for 3 KVA Alternator	01
	Experimental Panel Board for the above Motor Alternator Set	01
	Variable inductor/inductive load boxCapacity: 5A, 3-Phase, 415Volts, 50Hz, air cool type	01

	Portable Type LPF Wattmeter 5/10A, 150/300/600V	01
Experiment No-02 To determine the V-curve and inverted V-curve of Synchronous Motor	Auto Synchronous Motor of 3HP, 3-ph, 415 V, 1500rpm, 50 HZ separately excited type with damper winding across the field poles.	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	Control Panel for performing experiment on AutoSynchronous Motor	01
	Power Factor Meter of 3-Phase, Range:- 10A, 600V	01
Experiment N0-03 Speed control of 3-phase Induction Motor using Variable Frequency Drive.	Squirrel Cage Induction Motor of 1-HP, 3-Phase, 1440rpm, 220V, 50 HZ, foot Mounted type (Special Motor) along with Thyristor/IGBT based Variable Frequency Drive	01
	Control Panel for performing experiment on consisting of	01
Experiment N0-04 Determination of parameters of Synchronous Machine. Positive sequence reactance. Negative sequence reactance. Zero sequence reactance. Experiment No- 08 Measurement of direct and quadrature axis reactance of a Salient Pole Synchronous Machine. Experiment No-09 Measurement of sub-transient and transient reactance of a Salient Pole Alternator.	Alternator of 3KVA, 3-phase, 415V, 50 HZ separately excited type (Rotating Field - Stationary Armature - Salient Pole type) coupled with DC Shunt Motor of 5 HP, 220 V, 1500 RPM, SPDT foot mounted type.	01
	Field Rheostat for DC Motor of 5HP	01
	Field Rheostat for 3 KVA Alternator	01
	3-Point starter for the above 5HP Motor	01
	Experimental Panel Board for the above Motor Alternator Set	01
	VARIAC, Input: 415V, Output: 0~470V, 8A, 3-Ø Air cool type, enclosed model	01
	TPDT Knife Blade Switch	01
	Digital Storage Oscilloscope 60MHz	01
Experiment No-07 Study of Parallel operation of TWO Alternators	Alternator of 3KVA, 3-phase, 415V, 50 Hz separately excited type (SALIENT POLE type) coupled with DC Shunt Motor of 5 HP, 220 V, 1500 RPM, SPDT foot mounted type.	02
	RESISTIVE LOAD BOX Capacity: 3-Ph, 6 KW	01

	Control Panel for Synchronization of Two ALTERNATORS of 3 KVA, 3-Phase, 415 V, 50 HZ	01
Experiment N0-06 Determination of parameters of 1-phase induction motor and study of Capacitor Start Induction Run Motor	C.S.I.R. Motor, 1 HP, 5A, 230 V, 1-Phase foot mounted type.	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc	01
	Starter suitable for the above motor	01
	Control panel for performing experiment on C.S.I.R. Motor	01
Determination of parameters of 1-Phase induction motor and study of CSCR Capacitor Start Capacitor Run Induction Motor	1-Phase Capacitor Start Capacitor Run Motor (C.S.C.R.), 1 HP, 5A, 230 V, single phase foot mounted type	01
	Starter suitable for the above motor	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc	01
	Control panel for performing experiment on C.S.C.R. Motor	01
Determination of parameters of single phase induction motor and study of Universal Motor	Universal Motor, 1 HP, 5A, single phase, 230V, SPDP and foot mounted type	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	Starter suitable for the above motor	01
Determination of parameters of single phase induction motor and study of Repulsion Motor.	Repulsion Motor, 1 HP, 5A, single phase, 230V, SPDP and foot mounted type.	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	Starter suitable for the above motor	01
	Control panel for performing experiment On ac repulsion motor	01
Determination of parameters of single phase induction motor and study of Shaded Pole Motor.	Shaded Pole Motor, 1/2 HP, 2.5A, 230 V, single phase foot mounted type	01
	Starter suitable for the above motor	01
	Control panel for performing experiment on Shaded Pole Motor	01
	1-Phase VARIAC, 10A Input: 0 ~ 230, Output: 0 ~ 270Volts	02
Experiment N0-10	Induction Machine 3HP/ 2.2KW,	01

Performance of Grid Connected Induction Generator.	415V, 1440rpm, 50 HZ, <i>Coupled with</i> DC Shunt Motor 5HP, 220V, 1500rpm,		
	Field Rheostat for the above 5HP Motor (600OhmsX600W)	01	
	DOL Starter suitable for the above motor	01	
	TPDT Knife Blade Switch	01	
	Control Panel Board for the above Motor Generator Set	01	
	Centre Zero Portable UPF Wattmeter : 5A, 500V	01	
	Capacitive load (Fitted to the Panel Board)3-Phase, 415V of Suitable Capacity	01	
	Digital Multimeter	01	
Experiment N0-11 Transformer Connection: Y, Δ connection & Scott Connection of Transformer	Transformer : 1KVA (ratio 1:2), double wound, 1-phase, 440/220 V,	03	
	Variac, Input: 415V, Output: 0~470V, 20A, 3-Ø,	01	
	Portable Lpf wattmeter : 5/10A, 150/300/600V	02	
	Portable AC Ammeter : 2.5/5/10A	02	
	Portable AC Voltmeter : 150/300/600V	02	
<p>Experiment No-01 (EC - LAB & EM – LAB-1) No-Load and Load Characteristics Test of DC Shunt Generator</p> <p>Experiment No-02 (EC - LAB & EM – LAB-1) External & Internal characteristics of DC Shunt Generator</p>	DC Shunt Motor, 3 HP, 220V DC, 1500 RPM, SPDP, foot Mounted type coupled with DC Shunt Generator of 2 KW, 220 V DC, 1500 RPM, SPDP, foot Mounted type	1 set	
	Field Regulator for the DC Shunt motor, 3 HP	01	
	Field Regulator for the DC Generator-2 KW	01	
	3-Point starter, face plate hand operated type for 3HP Motor	01	
	Control Panel for the above MG Set: -,	01	
	Portable DC Voltmeter Range: 0-300Volts	04	
	Portable DC Ammeter Range : 0/1/2A	02	
	Portable DC Ammeter Range: 0~10/20A	02	
	Digital Tachometer (Contact type, 0 to 9,999 rpm)	01	
	resistive load box / Loading Rheostats	01	
	Experiment No-03 (EC -	DC Shunt Motor, 3HP, 12A, 220V DC,	01

<p>LAB)3-point/4point Starter for DC Shunt Motor</p> <p>Experiment No-04 (EC - LAB)</p> <p>Experiment No-03 (EM – LAB-1)</p> <p>Speed Control of DC Shunt Motor by Armature Voltage and Field excitation control</p> <p>Experiment No-04 (EM – LAB-1)</p> <p>Determination of Efficiency of DC Machine by Swinburne's Test & Brake Test</p>	1500 RPM, SPDP, foot Mounted type	
	Field Regulator for the DC Shunt motor, 3 HP	01
	3-Point starter, face plate hand operated type for 3HP Motor	01
	4-Point starter, face plate hand operated type for 3HP Motor	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	
	Control Panel for performing experiment on DC Shunt Motor	01
	Portable DC Voltmeter Range: 0- 300Volts	01
	Portable DC Ammeter Range: 0/1/2A	02
	Portable DC Ammeter Range: 0~10/20A	01
	Digital Tachometer (Contact type, 0 to 9,999 rpm)	01
Variable Rheostats: (useful for Armature Control Method) 50Ω X 7A	01	
Variable Rheostats: (useful for Field Control Method) 500Ω X 2A	01	
<p>Experiment No-06 (EC - LAB)</p> <p>Experiment No-07 (EM – LAB-1)</p> <p>Parallel Operation of TWO Single Phase Transformer</p>	"TRANSFORMER" : 1KVA (ratio 1:1), double wound, 1-phase, 220/220 V	02
	1-Phase VARIAC, 10A Input: 0 ~ 230, Output: 0 ~ 270Volts	02
	Portable AC Voltmeter: Range: 150/300Volts	03
	Portable AC Ammeter Range: 5/10/25A	02
	Portable AC Ammeter Range: 1/2A	01
	Portable AC Ammeter Range: 10/25/50A	01
	Portable Wattmeter Range: 1/2A, 300V, (LPF type, P.F.=1)	01
	Portable Wattmeter Range: 5/10A, 75/150/300V, (LPF type, P.F.=0.2)	01
<p>Experiment No-7 (EC - LAB)</p> <p>Open Circuit and Short Circuit tests of an Alternators</p>	DC Shunt Motor, 5 HP, 220 V, 1500 RPM, SPDT foot mounted type coupled with Alternator of 3KVA, 3-ph, 415 V, 50 HZ separately excited type	01Set.
	Damper winding across the field poles for the 3 KVA Alternator.	01

	Field Regulator for the above 5HP Motor	01	
	Field Regulator for the above 3 KVA AC-Machine	01	
	3-Point starter, face plate hand operated type for 3HP Motor	01	
	Portable DC Voltmeter Range: 0- 300Volts	02	
	Portable DC Ammeter Range: 1/2A	02	
	Portable DC Ammeter Range: 10/20A	01	
	Portable AC Voltmeter: Range: 300/600Volts	02	
	Portable AC Ammeter Range: 2.5/5A	02	
	System Make Digital Tachometer (Contact type, 0 to 9,999 rpm)	01	
<u>Experiment No.- 09</u> (EM – LAB-1) No load and & Blocked Rotor Test of Induction Motor	Squirrel Cage Induction Motor, 3HP, 3phase, 1440rpm, 415 V, 50 HZ,)	01	
	Shaft Extension at non-driving end of an Induction Motor for Block Rotor Test	01	
	Direct on line starter for the above motor	01	
	Y-Δ Starter for the above motor	01	
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01	
	Control Panel for performing experiment on Squirrel Cage Induction Motor	01	
	3-Phase VARIAC, 15A Input: 0~415, Output: 0~470Volts Air cool, Educational module with caster wheel	01	
	Portable AC Voltmeter: Range: 300/600Volts	02	
	Portable AC Ammeter Range: 0-1/2A	02	
	Portable AC Ammeter Range: 0-5/10A	02	
	System Make Digital Tachometer (Contact type, 0 to 9,999 rpm)	01	
	Portable WATT METER Range: 5/10A, 150/300/600V, (LPF type, P.F.=1)	02	
	<u>Experiment No-08</u> (EC - LAB) load Test of Three Phase Induction Motor	Slip Ring Induction Motor, 3HP, 3phase, 1440rpm, 415 V, 50 HZ coupled with DC Shunt Generator 2.2KW, 10A, 220 V DC, 1500 RPM, SPDP, foot Mounted type	01set
		<u>Experiment No-09</u> (EC – LAB)	
<u>Experiment No-10</u> (EM – LAB-1)	Field Regulator for the DC Generator-2.2KW	01	

Load Characteristics of 3-Phase Induction Motor By Electrical Loading	Rotor Resistance starter for the above motor	01
	Resistive load box	01
	Control Panel for the above MG Set	01
	Portable DC Voltmeter Range: 0-300Volts	01
	Portable DC Ammeter Range: 0/1/2A	01
	Portable DC Ammeter Range: 0~10/20A	01
	Portable AC Voltmeter: Range: 0-300/600Volts	01
	Portable AC Ammeter Range: 0-5/10A	03
	System Make Digital Tachometer (Contact type, 0 to 9,999 rpm)	01
Experiment No.-10 (EC - LAB) Starting of a Single Phase Induction Motors	AC Repulsion Motor, 1.0 HP, 5A, 230 V, Single phase foot mounted type	01
	DOL Starter suitable for the above motor	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	PANEL for exp.	01
	Portable AC Voltmeter: Range: 0-300/600Volts	01
	Portable AC Ammeter Range: 0-5/10A	01
	Universal Motor, 1 HP, 5A, single phase, 230V, SPDP and foot mounted type	01
	DOL Starter suitable for the above motor	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	PANEL for performing experiment on Universal Motor	01
	Portable AC Voltmeter: Range: 0-300/600Volts	01
	Portable AC Ammeter Range: 0-5/10A	01
	1-phase Capacitor Start Capacitor Run Motor (CSCR), 1 HP, 5A, 230 V, single phase foot mounted type	01
	DOL Starter suitable for the above motor	01
Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances	01	

	etc.	
	PANEL board for exp.	01
	Portable AC Voltmeter: Range: 0-300/600Volts	01
	Portable AC Ammeter Range: 0-5/10A	01
	AC Series Motor, 1-HP, 5A, 230 V, Single phase foot mounted type	01
	DOL Starter suitable for the above motor	01
	Pony Brake Arrangements for the above consisting of Brake Drum, Belt and Dial type spring Balances etc.	01
	Panel for series motor	01
	Portable AC Voltmeter: Range: 0-300/600Volts	01
	Portable AC Ammeter Range: 0-5/10A	01
	Digital Multimeter	04
Experiment No-05 (EM – LAB-1) Determination of Efficiency of DC Machine by Hopkinson’s Test (Back Bake Test)	DC Shunt Machine of, 2.2KW/ 3 HP, 220V DC, 1500 RPM, SPDP, foot Mounted type coupled with DC Shunt Machine of 2.2 KW/3HP, 220 V DC, 1500 RPM, SPDP, foot Mounted type	1-Set
	Field Regulator for the DC Shunt motor, 3 HP	01
	Field Regulator for the DC Generator-2 KW	01
	4-Point starter, face plate hand operated type for 3HP Motor	01
	Control panel for MG set.	01
	Portable DC Voltmeter Range: 0-300Volts	05
	Portable DC Ammeter Range : 0/1/2A	02
	Portable DC Ammeter Range: 0~10/20A	02
	System Make Digital Tachometer (Contact type, 0 to 9,999 rpm)	01
Experiment No-06 (EM – LAB-1) Experiment No-05 (EC – LAB) OC & SC Test on Single Phase TransformerExperiment No-08 (EM – LAB-1)Back –to- Back Test on Two Single Phase Transformer_	“TRANSFORMER” : 2KVA (ratio-2:1) double wound, 1-phase, 230/115V,	02
	1-Phase VARIAC, 20A Input: 0 ~ 230, Output: 0 ~ 270Volts	02
	Portable AC Voltmeter: Range: 150/300Volts	02
	Portable AC Ammeter Range: 1/2A	01

	Portable AC Ammeter Range: 5/10/25A	02
	Portable watt meter Range: 1/2A, 300V, (LPF type, P.F.=1)	01
	Portable watt meter Range: 10/20A, 75/150/300V, (LPF type, P.F.=1)	01
AC & DC Distribution Panel"		Each.
DC – Power / Rectifier Unit	Capacity: - 80A	Each.
Electrical and Electronics Measurement Lab (PCEE7204)		
1. Measurement of Low Resistance by Kelvin's Double Bridge Method.	Kelvines double bridge trainer kit	
2. Measurement of Self Inductance and Capacitance using Bridges.	Inductance and Capcitanace bridge trainer kit	
3. Study of Galvanometer and Determination of Sensitivity and Galvanometer Constants.	Galvanometer trainer kit	
4. Calibration of Voltmeters and Ammeters using Potentiometers.	Voltmeter, Ammeter, Potentiometer	
5. Testing of Energy meters (Single phase type).	Single phase Energy meter A.C	
6. Measurement of Iron Loss from B-H Curve by using CRO.	CRO, B-H Curve trainer kit	
7. Measurement of R, L, and C using Q-meter.	Q-meter, RLC trainer kit	
8. Measurement of Power in a single phase circuit by using CTs and PTs.	CT, PT, Voltmeter, Ammeter, Wattmeter	
9. Measurement of Power and Power Factor in a three phase AC circuit	Three phase wattmeter and testing trainer kit	

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BASIC ELECTRONICS LAB

Semester - 1st and 2nd

Subject Code-BE-7105

SL. NO	NAME OF THE EQUIPMENT	QUANTITY
1	DIFFERENT TYPES OF ELECTROIC COMPONENTS (RESISTOR, DIODES, TRANSISTOR, CAPACITORS, INDUCTORS, THRESISTOR REGULATED IC, LDR, VDR)	EACH SET (100 no's)
2	CATHODE RAY OSCILLOSCOPE	06
3	FUNCTION GENERATOR	06
4	V-I CAHARACTRISTIC OF SEMICONDUCTOR DIODE KIT	02
5	HALF WAVE AND FULLWAVE AND BRIDGE RECTIFIER KIT	02
6	V-I CHARACTERISTICS OF BJT CB, CE, CC KIT SET	06
7	LOGIC GATE TRAINER KIT WITH ICS	02
8	OP-AMPS TRAINER KIT WITH OPAMP ICS	04
9	MUX AND DEMUX IC WITH KIT	02
10	BREAD BOARD AND FERRO BOARD	02
11	DIGITAL MULTIMETERS	06
12	SOLDERING AND DESOLDERING GUN	04
13	COMBINATION PLIER	02

14	NOUSE PLIER	02
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ANALOG ELECTRONICS CIRCUIT LAB

Semester – 3rd
7201

Subject Code-PCEC

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	CATHODE RAY OSCILLOSCOPE	05
2	BREAD BOARD WITH FC	05
3	DIGITAL MULTIMETER	06
4	BJT BIASING TRAINEER KIT	02
5	JFET AND MOSFET TRAINEER KIMT	02
6	BJT EMITTER FOLLOWER AC AND DC	02
7	JFET AND MOSFET CS TRAINEER KIT AC AND DC	02
8	OP AMPS TAINNER KIT WITH IC	04
9	FREQUENCY RESPONSE OF CE AMPLIFIER WITH USING FET	02
10	DA AMPLIFIER KIT`	02
11	CLASS A CLASS B CLASS C AMPLIFIER KIT	02
12	CRYSTAL OSCILLATOR AND RC PHASE SHIFT OSCILLATOR	02

Electrical and Electronics Measurement Lab

Sem-3rd

sub code-PCEE7204

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	DSO WITH MULTI FUNCTION	02
2	CRO	01
3	Kelvin's Double Bridge Method. KIT	02
4	Q-meter.	02
5	Spectrum Analyzers.	01
6	Galvanometer	02

DIGITAL ELECTRONICS CIRCUIT LAB

Semester – 4th
7202

Subject Code-PCEC

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	BREAD BOARD	06
2	DIFFERENT TYPES OF LOGIC ICS (7400,7402,7408,7486,7404,741,LM350,74266,74183,74185,74184)	100nos
3	DIGITAL MULTIMETERS	04
4	LOGIC PROBE	02
5	PC SYSTEM WITH VHDL INSTALLED	02
6	OR, AND, NOT,NAND,NOR ,ExOR and ExNOR TAINNER KIT	EACH SET OF 2
7	ADDER AND SUBTRACTOR TRAINEER KIT	02
8	GRAY TO BINARY BINARY TO GRAY CODE CONVERTER KIT	02
9	Mux and Demux 4:1 and 1:4 using IC's 74LS153 AND 74LS154	02
10	RS and JK flip flops KIMT	04
11	4 bit up and down counters	02
12	4 bit binary multiplier Shift registers SISO and SIPO	04

ANALOG COMMUNICATION TECHNIQUES LAB

Semester – 5th

Subject Code-PCEC 7302

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	DIGITAL MULTIMETERS	04
2	CATHODE RAY OSCILLOSCOPE	04
3	DIGITAL STOREGE OSCILLOSCOPE	01
4	FDM MODULATION AND DE MODULATION KIT	02
5	AM AND FM Modulation and Demodulation KIT	04
6	DSB/SSB Modulation Transmission AND Receiver	02
7	PAM,PPM,PWM Modulation and Demodulaiton	EACH 02 SET
8	ASK, PSK, FSK, BPSK, QPSK, OQPSK	EACH 02 SET

Digital Signal Processing Lab

Sem-5th
code-PCEC7304

sub

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	DSP kit	02
2	PC WITH MATLAB SOFT	20
3	THINCLIENT SERVER WITH MATLAB	01

Microprocessor laboratory

Sem-5th

sub code-PCEC7301

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	8 BIT MICROPROCESSOR KIT	04
2	16 BIT MICROPROCESSOR KIT	02
3	MICROCONTROLLER KIT	02
4	Up/down Counter WITH MICROPROCESSOR	02

DIGITAL COMMUNICATION TECHNIQUES LAB

Semester - 6th

Subject Code-PCEC 7305

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	CATHODE RAY OSCILLOSCOPE	02
2	DIGITAL STORAGE OSCILLOSCOPE	02
3	DIGITAL MULTIMETER	02
4	PCM and Delta Modulator KIT	02
5	TDM MULTIPLEXER AND DEMULTIPLEXER	02
6	CHANNEL CODING AND DECODING KIT	02
7	ASK,PSK,FSK TRAINEER KIT	02
8	spectrum analyzer	01
9	Lan trainer kit	01

COMMUNICATION ENGINEERING LAB

Sem-6th

sub

code- PCEC 7306

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	Colour TV receiver	02
2	laser diode	02
3	Yagi, Helical and Slot Antenna	02
4	PC WITH MATLAB INSTALLED	04

VLSI DESIGN LABORATORY

Sem-7th
-PCEC7401

sub code

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	FPGA TRAINEER KIT	04
2	4-bit Microprocessor	02
3	CMOS Inverter KIT	02
4	PC WITH LPT PORT	20

MICROWAVE ENGINEERING LABORATORY

8th sub
sem- code-PCCS7402

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	Reflex Klystron TRAINEER KIT	02
2	Gun Diode	02
3	VSWR TRAINEER KIT	02
4	Directional Coupler KIT	02

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

COMPUTER LAB –I

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	PC WITH ALL SOFTWARE INSTALLED	30
2	IO PORTS WITH LAN CRIMPED	32
3	PROJECTOR	02
4	ASSEMBLED SYSTEM	01
5	SMPS OPEN KIT	01
6	MINI SERVER	01

COMPUTER LAB –II

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	PC WITH ALL SOFTWARE INSTALLED	30
2	IO PORTS WITH LAN CRIMPED	32
3	PROJECTOR	01
4	NETWORK SWITCH	03
5	IO PATH PANNEL	03
6	15U RACK	01
7	ROUTER	01

COMPUTER LAB –III

SL.NO	NAME OF THE EQUIPMENT	QUANTITY
1	THINCLIENT SERVER	01
2	THINCLEINT PC	30
3	IO PORTS WITH LAN CRIMPED	32
4	BROAD BAND ROUTER	02
5	NETWORK SWITCH	02
6	IO PATH PANNEL	02
7	9 U RACK	01
8	ROUTER	01

(iii) **COMPUTING FACILITIES:-**

a) **Number of configuration of systems: -**

Desktop

Desktop with Intel Core Due Processor, 160 GB HDD, 1GB RAM, 2.20 GHz = 2 4 0

Printer-18 nos HP

Scanner - 10 no

Xerox - 01 no

D-Link Router - 01 no Lease

Line Modem-02nos LAN

Switches - 06

b) **Total number of systems connected by LAN :- 240**

c) **Total number of systems connected to WAN :- 240**

d) **Internet bandwidth** :- 08 mbps 1:1through leased line from Broad Band for 24 hours

e) **Major software packages available** :-
Quick Heal Anti Virus, Windows XP, Vista with SP2, Win 2000, 2003 server, Ms Office 2007 Professional,

f) **Special purpose facilities**

(iv) **WORKSHOP :- Available**

a) **List of facilities available.**

Games and Sports facilities Extra	Yes
Curriculum Activities Soft Skill	Yes
Development Facilities Number of	Yes
Classrooms and size of each Number of	16 (68 sq.m)
Tutorial rooms and size of each Number of	05 (36 sq.m)
Laboratories and size of each Number of	40 (250 sq.m.)
drawing halls and size of each Number of	01 (252 sq.m)
Computer Center with capacity	04 (162 sq.m.) 60 computer each.
Central Examination Facility, Number of Rooms and capacity of each	Yes(14 classrooms of 68 sq.m and 5 tutorials (36sq.m.) (located in 2 different floors which are converted into examination halls during examination time)

(v) **Teaching Learning Process:-**

a) **Curricula and syllabi for each of the programmes as approved by**

- the University :- Yes Available on www.bput.org
b) Academic Calendar of the University :- Yes Available on www.bput.org
c) Academic Time Table :- Yes (Enclosed Annexure - III)
d) Teaching Load of each Faculty :-

Lecturer: 16 hours per week

Asst. Prof: 12 hours per we

Professor : 08 hours per week

e) Internal Continuous Evaluation System in Place :- - Yes

f) Student's assessment of Faculty, System in place :- - Yes

(vi) **FOR EACH POST GRADUATE PROGRAMME GIVE FOLLOWING:**

- Note: There is no Post Graduate Programme (s) running in our Institute.

NOTE: Suppression and/or misrepresentation of information would attract appropriate penal action.

Prof.(Dr.) P.N. Singh

Lecturer Asst. Professor

ANNEXURE-3

DAYS	DEPT	8.00 to 9.00	9.00 to 10.00	10.00 to 11.00	11.00 to 12.00	12.00 to 12.40	12.40 to 1.40	1.40 to 2.40
MON	ECE	OB	NT	EEM	M-III	B R E A K	NT [ECE1] & EEM [ECE2]	
	EE	AEC	OOPS	OB	NT		OOPS [EE1 & EE2]	
	CSE	M-III	POS	OOPS	AEC		CSIR [CS1] & AEC[CS2]	
	IT	NT	M-III	POS	OOPS		OB	INT[IT1] & UB[IT2]
TUE	ECE	EEM	M-III	AEC[ECE2] & EEM[ECE1]			AEC	NT
	EE	AEC	OB	MS	M-III		NT[EE2] & AEC [EE1]	
	CSE	NT	AEC	OOPS	OB		OOPS [CS1 & CS2]	
	IT	M-III	OOPS	AEC	POS		OB	INT[IT2] & UB[IT1]
WED	ECE	AEC	EEM	MS	NT			INT[ECE2] & UB[ECE1]
	EE	MS	OOPS	NT	M-III		NT[EE1] & AEC [EE2]	
	CSE	M-III	POS	OB	NT		OOPS	AEC
	IT	OB	NT	AEC	OOPS		POS	M-III
THU	ECE	EEM	AEC	M-III	NT		MS	OB
	EE	AEC	OOPS	NT	OB		M-III	INT[EE1] & UB[EE2]
	CSE	M-III	NT	OB	AEC		CSIR[CS2] & AEC[CS1]	
	IT	OOPS	NT	AEC	M-III		OOPS[IT1 & IT2]	
FRI	ECE	AEC	MS	M-III	OB	INT[ECE1] & UB[ECE2]	NT	
	EE	NT	OB	MS	AEC	M-III	OOPS	
	CSE	M-III	OOPS	POS	NT	AEC	INT[CS1] & LIB[CS2]	
	IT	NT	AEC	OOPS	M-III	AEC[IT1] & CSIR[IT2]		
SAT	ECE	AEC	MS	NT[ECE2] & AEC[ECE1]		M-III	EEM	
	EE	M-III	AEC	MS	OOPS	NT	INT[EE2] & UB[EE1]	
	CSE	NT	OB	M-III	OOPS	INT[CS2] & LIB[CS1]		
	IT	POS	NT	OB	AEC	AEC[IT2] & CSIR[IT1]		