

MANDATORY DISCLOSURES

DIPLOMA IN ENGINEERING & TECHNOLOGY / PHARMACY / H.M.C.T.

PROGRAMMES

The following information is to be given in the Information Brochure besides being hosted on the Institution's official Website.

"The information has been provided by the concerned institution and the onus of authenticity lies with the institution and not on AICTE / Govt. / DTE."

I. NAME OF THE INSTITUTION Address including telephone, Fax, e-mail.

NATH POLYTECHNIC, Plot No.B-1,
M.I.D.C. Area, Paithan
Dist.Aurangabad. Pin Code - 431148
Tele.(02431)-232163 Fax.
(02431)-232163

II. NAME & ADDRESS OF THE PRINCIPAL

- Address including telephone, Fax, e-mail.

Prakash Sakharam Khillare,

Plot No.18,

**Ganesh Housing Society, Cidco N-8,
Aurangabad – 431001**

Mob. 8262829804

III. GOVERNANCE

1. Members of the Board and their brief background **Enclosed**
2. Members of Academic Advisory Body **Enclosed**
3. Frequency of the Board Meetings and Academic Advisory Body **After 1 Month**
4. Organizational chart and processes **Enclosed**
5. Nature and Extent of involvement of faculty and students in academic affairs / improvements **Good**
6. Mechanism / Norms & Procedure for democratic / good Governance. **Good**
7. Student Feedback on Institutional Governance / faculty performance. **Good**
8. Grievance redressal mechanism for faculty, staff and students. **Are being**

attached attained programmes.

IV. PROGRAMMES

Diploma in Engineering

Name of the Programmes approved by the AICTE

Name of the Programmes accredited by the AICTE

Not Applied

For each Programme the following details are to be given:

Enclosed

i.Name

ii.Number ofseats

iii.Duration

iv. Cut off mark / rank for admission during the last three
years v.Fee

vi.PlacementFacilities

vii. Campus placement in last three years with minimum salary, maximum salary and
average salary

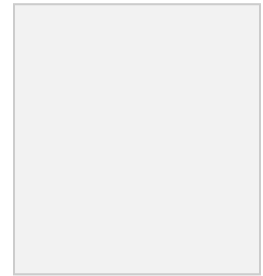
V. FACULTY

- i) Branch wise list faculty members: **Enclosed**
- Permanent Faculty
 - Visiting Faculty
 - Adhoc Faculty
 - Permanent Faculty: Student Ratio 1:-20
 - Number of faculty employed and left during the last three years 12

VI. PROFILE OF PRINCIPAL WITH QUALIFICATIONS, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED

For each Faculty give a page covering

1. Name :- Prakash Sakharam Khillare
2. Date of Birth :- 24/02/1970
3. Educational Qualification :- B.E.(Civil.)M.E.(Civil.)
4. Work Experience
 - Teaching 13 Yrs.
 - Research
 - Industry 2 Yrs.
 - Others 0 Yrs.
5. Area of Specializations: Soil
6. Subjects teaching at Under Graduate Level -- Nil
7. Research guidance -- Nil
8. Projects Carried out -- Nil
9. Patents -- Nil
10. Technology Transfer -- Nil
11. Research Publications -- Nil
12. No. of Books published with details -- Nil



VII. FEE

- Details of fee, as approved by State fee Committee, for the Institution. Rs.38,500/-

VIII. ADMISSION

- Number of seats sanctioned with the year of approval.
- 60 students Electrical & Mechanical Engineering course.2021-22
- 30 students Civil Engineering course.2021-22

IX. ADMISSIONPROCEDURE

1. Calendar for admission against management / vacantseats.
2. Last date for request forapplications.07/09/2021
3. Last date for submissionofapplication. 25/10/2021
4. Dates for announcingfinal results. 07/08/2012

5. Release of admission list. (Main list & Waiting list should be announced on the same day) 07/08/2012
6. Date for acceptance by the candidate (time given should in no case be less than 15 days.)22/08/2012
7. Last date for closingofadmission. 25/10/2021
8. Starting of theAcademicssession. 23/08/2012
9. The waiting list should be activated only on the expiry of date of mainlist.
10. The policy of refund of the fee,in case of withdrawal, should be clearly notified.

X. APPLICATION FORM

Downloadable application form, with online submission possibilities.

XI. LIST OF APPLICANTS

12. List of candidates whose applications have been received along with percentile / percentage score for each of the qualifying examination in separate categories for open seats.
13. List of candidates who have been offered admissions.

XII. RESULTS OF ADMISSIONS UNDER MANAGEMENT SEATS / VACANT SEATS

- 12 Composition of selection team for admission under management quota with the brief profiles of the members. (This information be made available in the public domain after the admission process is over.)
- 13 Score of the individual candidates admitted arrange in order of merit.
- 14 List of candidates who have been offered admission.
- 15 Waiting list of the candidates in order of merit to be operative from the last date of joining of the first list candidates.
- 16 List of the candidates who joined within the date, vacancy position in each category before operation of waiting list.

XIII. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

LIBRARY:

- 16 Number of Library books/Titles/Journals available (programme-wise) Enclosed
- 17 List of online National/International Journals subscribed. Enclosed
- 18 E-Library facilities Available

LABORATORY:

For each Laboratory

- a) List of Major Equipment/Facilities Enclosed
- b) List of Experimental Setup Enclosed

COMPUTING FACILITIES:

- | | |
|--|-----------------------------|
| ii) Number and Configuration of Systems | Enclosed |
| iii) Total number of systems connected by LAN | Dual Core |
| iv) Total number of systems connected to WAN | 75 |
| v) Internet bandwidth | 00 |
| vi) Major software packages available | 60Mbps |
| Cad | Windows XP, MS Office, Auto |
| vii) Special purpose facilities available | |

WORKSHOP:

- | | |
|--|------------------------------------|
| a) List of facilities available. | Enclosed |
| Games and Sports Facilities | Yes |
| Extra Curriculum Activities | Yes |
| Soft Skill Development Facilities | Yes |
| Number of Classrooms and size of each | 07 Nos., 66 Sq.m. Per Classroom |
| Number of Tutorial rooms and size of each | 1 Nos., 66 Sq.m. Per Tutorial room |
| Number of laboratories and size of each | 16 Nos., 66 Sq.m. |
| Number of drawing halls and size of each | 1 Nos., 132 Sq.m. |
| Number of Computer Centres with capacity of each | 2 Nos., 150 Sq.m. |

Central Examination Facility, Number of rooms and capacity of each. 1 rooms, 30 M.Sq.

of each room.

Teaching Learning process

Curricula and syllabus for each of the programmes as approved by the MSBTE. Yes

Academic Calendar of the MSBTE.

Yes.

Academic Time Table

Yes

Faculty Profile

Enclosed

Sr.No.	Name	Designation	Subject Teaching
1.			
2.			
3.			

Brief profile of each faculty.

Enclosed

Special purpose.

14. Software, all design tools in case

15. Academic Calendar and framework.

16. Research Focus.

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

I / We solemnly declare that no information has been withheld and all the information provided in this Mandatory Disclosures is correct. If any information is found to be incorrect or false, I / We understand that proposal shall be liable for rejection.

Chairman

Nath Polytechnic,

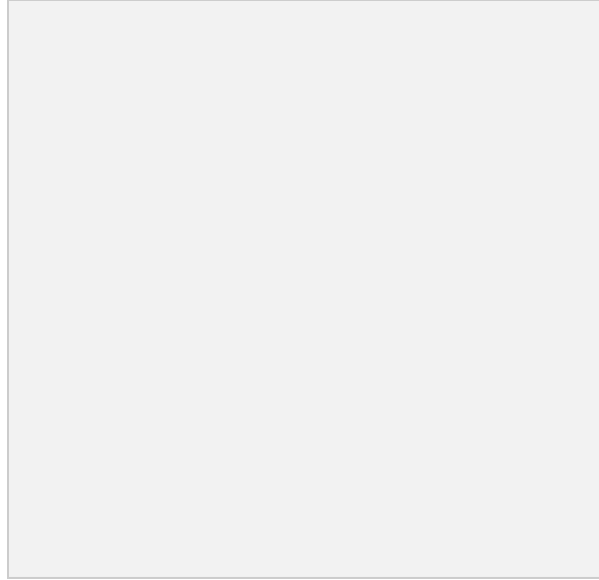
Plot No. B-1, M.I.D.C.

Paithan Dist. Aurangabad.

Shri Sai Samajik Vikas Sanstha's
Nath Polytechnic, Paithan

B-1, MIDC, Paithan Dist. Aurangabad

**Format for Compliance Report for the year 2021-22 to be
submitted alongwith Mandatory Disclosure**



DIRECTORATE OF TECHNICAL EDUCATION,

MAHARASHTRA STATE,

3, MAHAPALIKA MARG, MUMBAI 400 001.

STD CODE: 022, TEL.: 22620601, 22690602, 22641150, 22641151

FAX: 22692102, 22690007

Website: www.dte.org.in

E-mail: desk10@dte.org.in

FORMAT FOR COMPLIANCE REPORT

1i) Name and Address of the Institution

Name	NATH POLYTECHNIC, PAITHAN DIST. AURANGABAD.		
Address	Permanent Location as approved by AICTE	Temporary Location (if applicable)	
Village	PAITHAN		
Taluka	PAITHAN		
District	AURANGABAD.	Not Applicable	
Pin Code	431148		
State	MAHARASHATRA		
STD Code	02431	Phone No: 232163	
Fax No.	(02431) 232163	E-Mail: nathpoly@gmail.com	
Web site	www.nathploytechnic.org		

File No with date of first approval : F-22-2613/2007 DATED 10.09.2007 Last Approval :
Western/I-9317785067/2021/EOA Dated 25/06/2021

1 ii) Type of Institute (Tick ✓ whichever is applicable): a) Government / Govt. Aided / Un-aided

b) Autonomous / Non-Autonomous

1 iii) Information regarding Mandatory Disclosure:

No _____

a) Whether the Mandatory Disclosure is hoisted on the institutional website: Yes

b) If yes, web-site address on which Mandatory Disclosure is available: www.nathploytechnic.org

c) Whether the faculty information provided in the Mandatory Disclosure is same as being submitted in the Compliance Report. Yes No _____

d) Whether the information provided in the Mandatory Disclosure is being regularly updated.

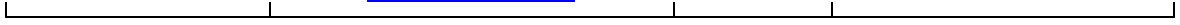
Yes No , Date on which the Mandatory Disclosure was last updated: 31.12.2021 _____

1 iv) Whether the institution is operating at temporary location (if so provide details of permanent location along with survey no.)?

NA	NA
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2 Name and Address of the Society /Trust

Name	SHRI SAI SAMAAJIK VIKAS SANSTHAN, AURANGABAD		
Address	"SWAMI" BUILDING SEVEN HILLS COLONY NEAR FLY OVER JALNA ROAD, AURANGABAD		
Pin Code	431005	STD Code	(0240)6517388
Phone No.	(0240) 2352126	Fax No.	(0240)2352126
E-Mail	nathpoly@gmail.com	Web site	www.jkjadhav.com



3. Name and Designation of the Head of the Institution(Principal)

Name	Mr. Prakash Sakharam Khillare				
Designation	Principal	Qualification & : B.E.(Civil.) ME(Civil.) Part IV	Highest Degree	Specialization	Total Experience
		Experience :			
		Date of Birth: 24.02.1970			15 Years
STD Code	(02431)	Phone No. (O) 232163	Fax No.	(02431) 232163	
STD Code	(0240)	Phone No. (R) 8390335594	Fax No.	(02431) 232163	
E-Mail	pskhillare24@gmail.com			Date of joining the institution: - 31.01.2007	
	Mobile No. 8390335594				

4. Type of Technical Institution (Tick \surd whichever is applicable)

- i) Central / State Government
- ii) Government Aided
- iii) Self-Financing (Minority)
- iv) Self-Financing (Non-Minority)
- v) Any other (Please specify)

5. Information on Establishment of the Institution

- ii) Year of Establishment : 2007-2008
- iii) Date on which first approval was accorded by the Council : 10.09.2007
- iv) Year of Commencement of the first batch : 2007-2008
- v) Details of Last extension letter with year of approval : Last approval 2021-2022

6. Whether there is any change of Name of the Institution, Society / Trust and Location of the Institution after AICTE approval? If yes, enclosed details

- i) Whether the name of the Society has changed? No
If yes, give details
- viii) Whether the composition of the Society has changed? No
If yes, give details
- ix) Whether the name of the Institution has changed? No
If yes, give details
- x) Whether the Institution is functioning at the same location? No
If yes, give details
- v) Whether the Institution has changed its location? No
If yes, give details

7. i) Whether there is any Court Case file d by the Institution against AICTE / Govt. / DTE which is in progress? (P lease tick () appropriatebox)

Yes No

If yes, then give details with name of the Court, Writ Petition No. Subject Matter and Latest Status.

NOT APPLICABLE (N A)

7. ii) Whether there is any case of Malpractice / Complaints/ or being penalized on account of non-submission of compliance within the cut-off-date, making excess admissions etc. against the Institution ? if yes, providedetails

NOT APPLICABLE (N A)

7. iii) Whether anybody has filed any court case against Institute/Trust? If yes, givedetails.

NOT APPLICABLE (N A)

8. i)AICTE approved existing course(s) of study during academicyear

Diploma Courses	1. Year of approval by AICTE (give approval re f. no. & date)	AICTE Approved Intake during last 2years				Status of Accreditation with Validity period
		2021-2022		2020-2021		
		Sanctioned intake	Actual admissions	Sanctioned intake	Actual admissions	
Mechanical Engineering		60	15	60	13	NOT APPLIED
Electrical Engineering	F-22-2613/2007	60	25	60	11	
Civil Emgineering	10.09.2007	30	7	30	09	
Total		150	47	150	33	

FT: Full Time, PT: Part Time

8.i) Directsecondyearadmittedstudents

Diploma Courses	AICTE Approved Intake during last 2years				Status of Accreditation with Validity period
	2021-2022		2020-2021		
	Sanctioned intake	Actual admissions	Sanctioned intake	Actual admissions	
Mechanical Engineering		26		40	NOT APPLIED
Electrical Engineering		58		49	
Civil Engineering		19		20	
Total		103		109	

8. ii) AICTE approved course(s) in 2nd Shift for academic year

Diploma Courses Intake

NOT APPLICABLE	

9. Whether any excess admissions over and above the sanctioned strength are made ? If yes, give

details.

Sr. No.	Courses	Sanctioned Intake	Actual Admissions	No. of Excess Admissions	Reasons
	Existing Courses				
	2 nd Shift Courses	NOT	APPLICABLE	(NA)	
10.	Whether the Institution is sharing its facilities / premises with any other				

Institution or running any unapproved Programmes?
If yes, give details.

Yes No

A. Name of the other Institutions, which are sharing the facilities

NOT APPLICABLE (NA)

B. Any other course(s) functioning in the college premises, its duration and intake

Sr. No.	Courses	Approving Authority	Affiliating Body	Degree / Diploma / Certificate	Duration (Year s)	Sanctioned Intake	Actual Admissions during 2007-08
			NOT	APPLICABLE			
					TOTAL		

11. Status of Compliance of Specific Conditions / Deficiencies Communicated in the Last Approval /

Extension of Approval by AICTE. NO

Sr. Deficiencies Communicated / Compliance Report

No.	Specific Conditions	Compliance Report	
	NO		
12i)	Whether Regular Principal appointed?	Yes	No

If Yes, Whether approved by D.T.E.

Yes No

12 ii) (a) *Faculty Position for the existing programme(s) (Branch-wise)

Name of the Course	Total Sanctioned Intake	Details of Faculty Available							Total number of Permanent faculty & Approved by DTE	
		H.O.D.		Lecturer					H.O.D.	Lecturer
		Req. as per AICTE norms	Available	Req. as per AICTE norms	Regular	Adhoc Basis	Visiting faculty	Total		
Mechanical Engineering	60	01	01	05	04	01	01	07	01	04
Electrical Engineering	60	01	01	05	04	01	01	07	01	02
Civil Engineering	30	01	01	05	03		01	05	01	02
Other		01	01	08	08			09		

**NOTE: The institution should clearly give information about the faculty in each approved course(s) separately without any ambiguity in 'Annexure-A'.*

12 ii) (b) Details of the Full Time Teaching Faculty exclusively appointed and working for the AICTE approved programme(Programmewise). Enclosed attached herewith

Sr. No.	Name of the Course	Name (s) of the Teaching Faculty	Designation	Qualifications with class	Date of Birth	Experience		Date of Joining the Institution	Gross total salary as on date with scale & Basic pay
						a) Teaching	b) Industry		
						a	b		
01	Mech Engg			Enclosed					
2	Elec. Engg								
3	Civil. Engg								

12 ii) (c) Mode of selection of faculty and staff:

Name of the newspapers in which advertisements are placed and their circulation status

(1) Lokmat (2) Sakal

Constitution of the selection committee-Yes-

Whether DTE representative is invited in the selection committee meeting. Yes No —



12 ii) (d) Details of Technical / Administrative / supporting Staff

Sr. No	Category Staff	Number
1	Technical Supporting Staff	02
	b) Workshop Attendant	
	c) Workshop Technician	02
	d) Laboratory Assistant	03
	e) Librarian	01
	f) Assistant Librarian	01
	g) Others (Computer Lab in-charge, Lab Attendant etc)	02
2	Administrative Staff	01
	c) Administrative Officer	
	d) Accounts Officer/Assistant Account Officer	02
	e) Clerks	02
	f) Others	02

13. Student's data and pass percentage since last three years.(Coursewise)

Sr. No.	Course	Year	Sanctioned Intake	Students Admitted	Students Passed out in first attempt	% of Students passed in first attempt	% of Students passing out with Distinction	% of Student with 1st Division	% of Students with 2nd Division
	Mechanical Engineering		Attached Sheet						
	Electrical Engineering								
	Civil Engineering								

NOTE: Average result of two Semesters in case of Semester system.

14. i) Whether placement cell has been established?

Yes

No

14. ii) If yes, total no. of students placed by the Institution through its Placement Cell (Discipline wise)

Year	Discipline	Total no. of students passed out (last 3 years)	Total no. of students placed through (last 3 years)
2018-21	Civil Engg.	66	38
	Electrical Engg.	68	44
	Mechanical Engg.	48	40

15. Library facilities:

- A Total area of the library 303 Sq.M
- B Seating capacity of the library 74 students at a time
- C Working hours of library 08 hours (10 a.m to 6.00 p.m)
- D Library Networking facility (yes/No) Yes
- E Total Investment on Library as on today: Rs.20.00 Lac in Books + Rs. 4.50 lac in Furnitures
- F Details of the library facilities

Sr. No.	Course(s)	Number of titles of the books	Number of volumes	
			National	Journals International
01	Mech.Engg	300	3000	02
02	Electrical.Engg	300	4000	02
03	Civil.Engg	300	2958	02
		900	9958	06

16. i) Details of Laboratories & Workshops

Sr. No	Name of the Course	Name of the laboratory/workshop	Total Area of lab/workshop	Major equipment	Investment made (Rs. In lakhs)
		Enclosed			

17. Computer Facilities for the existing programme(s)

S.No	Particulars	Requirements as per Norms		Availability	
1.	No of Computer terminals	75		75	
2.	Hardware Specification	DEUL CORE		DEUL CORE	
3.	No of terminals of LAN/WAN	20		75	
4.	Relevant Legal Software	Application	System	Application	System
		20	03	23	03
5.	Peripheral(s)/ Printers	12		12	
6.	Internet Accessibility (in kbps & hrs)	02mbps		60mbps	

No



Whether the computer facilities are suitable for the existing programmes? Yes

18. Building

1. Available Built up area = 4290 Sq.M

2. Total Built up Area for the existing programme(s) = 4290 Sq.M

Particulars	Area required as per norms (Sq.M)	Building with RCC Roof (Sq.M)	Building with Sheet Roof (if suitable for Educational Institution) (Sq.M)	Total sanctioned intake (last 3 yrs. for Engg./ HMCT etc. & 2 yrs. for pharmacy)	Built up area per student	Total Area Available (Sq.M)
Instructional Area (Carpet Area)	3659 m ²	3130 m ²	Nil	450	5.08 m ²	3761 m ²
Administrative Area (Carpet Area)	300 m ²	412 m ²				322 m ²
Amenities (Carpet Area)	320 m ²	322 m ²				333 m ²
Circulation & Others		426 m ²				426 m ²
Total	4279 m²	4290 m²		450	5.08 m²	4842 m²

19. Instructional Area for the existing programme(s)

Particulars	Number of rooms		Carpet area	
	Requirement as per norms	Available in the institution	Requirement as per norms	Available in the Institution (Sq.M)
Class Rooms	07	07	462 m ²	490 m ²
Tutorial Hall	03	03	66 m ²	66 m ²
Drawing Hall (*)	01	01	132 m ²	132 m ²
Computer Centre	01	02	100 m ²	150 m ²
Library	01	01	300 m ²	303 m ²
Laboratories	16	16	1056 m ²	1064 m ²
Seminar Hall	01	01	132 m ²	132 m ²
Work shop	01	01	200 m ²	224 m ²
Total				2561 m ²

Whether a barrier free environment has been created in the building for Physically challenged person

Yes No

Whether the Classrooms, Tutorial hall, Drawing hall, Computer centre, Library, Laboratory and workshops are

well equipped for the existing courses. Yes No

20. Land Availability

Land Category (Rural/ District Head Quarter/ State Capital/ Metropolitan city/ Mega City)	Area required as per Land Category (Acres)	Total Area available (Acres)
Paithan Mega City With Municipal Council	05 Acres	05 Acres

(a) Whether the said land is demarcated by fencing/ boundary wall for the institution (Tick appropriate box) Yes No

(b) Whether the land is contiguous (Tick appropriate box) Yes No
 If Not, Number of plots Distance between the plots (Sq.M)

(c) Whether the surroundings of the institution are suitable for educational purpose. No

Yes

21. Availability of other facilities:

S.No.	Parameter	Availability
1	All Weather Approach Road (cemented / kuchha)	Cemented
2	Potable Water Supply System (own bore well / municipal corporation)	MIDC
3	Electrical Generator (5kv, 5-10 kv, 10-15 kv, more than 20 kv)	--
4	Students' Canteen	Yes
5	Students' Common Room (Boys / Girls)	Yes
6	Hostel	Boys 50 Girls --
	If no hostel facility is available, whether arrangements have been made for boarding and lodging of students near to the institution, if yes mode of travel from the place of stay to the institution Not Applicable Boarding is available within the campus	
7	Principal's Quarters	Yes
8	Digital Library	Yes
9	Quarters for Faculty	Yes
10	Guest House	No
11	Parking facilities	Yes
12	Medical facilities (full time / part time doctor / dispensary)	Yes
13	Insurance facilities	Yes
14	Telephone booth	Yes
15	Gymnasium /indoor / outdoor stadium	Yes
16	Rainwater-harvesting facilities are available	No
17	Post office facility	No
18	Bank facility	No
19	Transport facility for day scholars	Yes
20.	Reprographic facilities in the Institutions.	Yes
21.	Barrier free environment for physically challenged.	Yes

22. Fee Structure of the Institution

Sr.No.	Category	Fixed by the Shikshan Shulka Samiti	Fees being charged by the institution
1.	Admission Fee		500/- PY
2.	Tuition Fee	35648 /- PY	35,648/- PY
3.	Examination Fee, Registration Fee etc.		360/-PS
4.	Hostel Fee (Rent etc.)		5000/-PY
5.	Library Fee		100/-PY
6.	Any other Fee	2852/-PY	2852/-PY
	Total Fee	38,500/- PY	44,460/- PY

23. Financial Position

- Yes No
- (i) Whether applicant has opened a bank account in the name of the Society/ Trust for the existing institution
- (ii) Source of income & expenditure during the last year

S.No.	Source of Income	Rs. (in lakhs)	Expenditure during the last year	Rs. (in lakhs)
1.	Central Government	NIL	Salary of Full-Time Faculty	83.00
2.	State Government	NIL	Salary for Visiting/Adjunct faculty	
3.	Other Central/State Govt. Bodies	NIL	Salary of Non-Teaching Staff	27.00
4.	Private Trust	69.52	Library	10.00
5.	Donations	NIL	Computer Centre	02.00
6.	Student Fees	63.00	Equipments Labs and Workshops	11.00
7.	Internal Revenue Generation	NIL	Building	21.46
8.	Others (please specify)	NIL	Others (please specify)	01.06
	Total	164.52		164.52

(iii) De tails of Operational funds

Sr. No.	Name of Bank With Branch & Full Address	Account No.	Cash Balance (in lakhs)	FDR, if any (Excluding joint FDR submitted to AICTE / DTE)	Total Amount (in lakhs)
01	State Bank Of India, Isarwadi, Paithan	62045920468	8.00	NIL	8.00
02	Indian Overseas Bank, Aurangabad,	070904511300127		20.00 Lacs	20.00

Declaration:

It is certified that:

- a) Existing Courses are being conducted as per norms, standards and guidelines of the AICTE.
- b) All the physical deficiencies stated in the last approval letter have been complied with.
- c) The AICTE pay scales are being paid to the faculty members.
- d) The admissions are made on merit and no capitation fee or donation of any kind is charged for admission.
- e) The teaching faculty has been recruited as per qualifications and experience laid down by AICTE.
- f) The tuition and the other fee is being charged as prescribed by the Competent Authority.
- g) No new course has been started (since the last approval by AICTE) without prior approval of AICTE.
- h) The institution is not running any courses not approved by AICTE in the premises of the AICTE approved institution.
- h) The intake in any of the AICTE approved course has not been increased beyond the sanctioned intake, without prior approval of AICTE.

I / We sole mnly declare that no information has been withheld and all the information provided in this Compliance Report is correct. If any information is found to be incorrect or false, I/We understand that proposal shall be liable forrejection.

Principal

**Nath Polytechnic,Paithan B-1,MIDC,
Paithan, Dist Aurangabad**

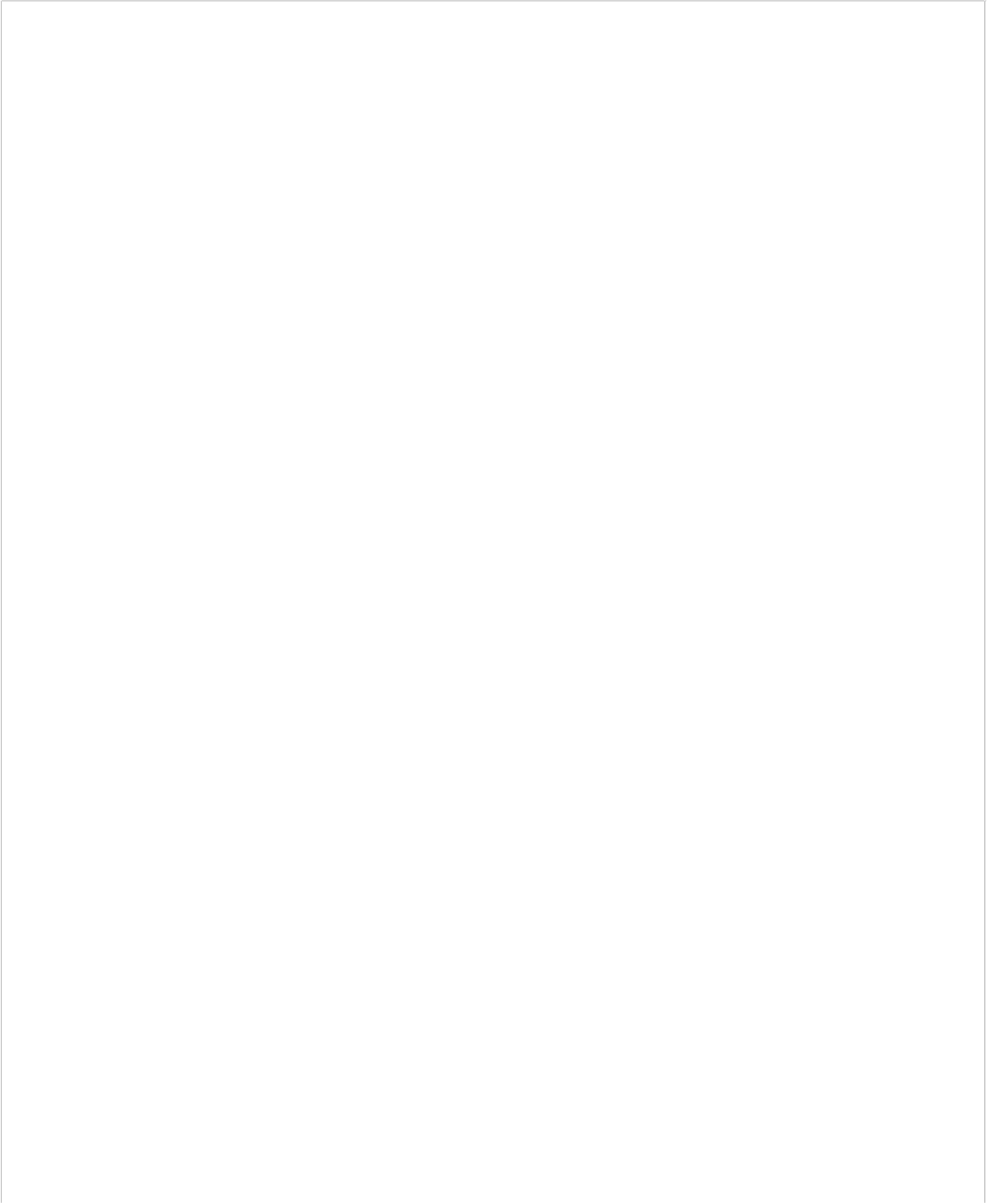
CIVIL DEPARTMENT LABS Engg. Mechanics Lab

APPLIED MECHANICS		
Sr.N	Particular & Specifications of Major/Essential Equipment	Available
o	required for conduction of practical's as per	
1	Screw Jack Apparatus.	2
2	Wheel & Dif. Axle (Without Wt.)	1
3	Pulley Demonstration Set.	1
4	Universal force Table	2
5	combined Inclined Plane & force slides apparatus	2
6	Simple Jib Crane apparatus	3
7	parallel Forces Apparatus	2
8	Winch Crab Double Purchase	1
9	Slotted Weight.	1
10	Worm & Worm Wheel	1
11	moment disc apparatus	2

Surveying Lab.

SURVEYING LAB		
Sr.N	Particular & Specifications of Major/Essential Equipment	Available
o	required for conduction of practicals as per	
1	THEODOLITE	1
2	DUMPY LEVEL	1
3	PLANE TABLES	2
4	RANGING RODS	8
5	CHAINS	4
6	CROSS STAFF	4
7	PLANIMETER	2
8	AUTO LEVEL	1
9	TELESCOPIC ALIDADE	1
10	PLAIN TABLE SET	2
11	PRISMATIC COMPASS	1
12	WOODEN PEGS	12
13	OPTICAL SQUARE	3

Geotech / Soil Engineering



GEOTECH		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Hot air oven	1
2	Desiccator	1
3	Aluminum container	3
4	Test sieve set	1
5	Cylindrical core cutter	3
6	Steel hammer	3
7	Dolly	1
8	G.I.tray	3
9	Pycnometer	2
10	Glass rod	15
11	Liquid limit devices	1
12	Grooving tool	2
13	Spatula	5
14	Shrinkage dish	3
15	Glass cup	3
16	Plane plate	3
17	Measuring cylinder	2
18	Proctor mould	2
19	Metal rammer	2
20	Gauging trowel	3
21	Standard Spatula	2

Material Testing (SOM/MOS) Lab

MECHANICS OF STRUCTURE LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	UNIVERSAL TESTING MACHINE	1
2	EXTENSOMETER	1
3	HARDNESS TESTING MACHINE	1
4	IMPACT TESTING MACHINE	1

Concrete Lab

CONCRETE TECHNOLOGY LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Blaine's Air Permeability Apparatus	1
2	Test sieve	1
3	CUBE MOULD	3
4	ELECTRONIC BALANCE 10 KG	1
5	SLUMP CONE TEST APPARATUS	1
6	Compression Testing machine	1
7	Vicat Apparatus	1
8	Cylindrical mould	2
9	Meter Scale Graduated	1
10	Standard Spatula	1
11	DIGITAL STOP WATCH	1
12	Trowel	1
13	measuring jar	2
14	scoop with handle	1
15	graduated pipette	2
16	G.I. Tray	1
17	commercial C.I. Weight set	1
18	solid glass rod	1
19	slotted weight iron block 1,3,5 kg	1
20	porcelain dish	1

CIVIL ENGINEERING MODELS

Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Road suspension bridge model	1
2	R.C.C deck slab bridge model	1
3	collar beam truss model	1
4	Spillway gate	1
5	Gravity dam	1
6	Models of Door leafs	3
7	Models of Windows	3
8	Models of Stair case	2
9	Models of Foundation	1
10	King post truss Model	1
11	Model of steel Roof truss	1
12	model of bricks	1
13	RCC Balance cantilever Bridge	1
14	Model of Canal Drop	1
15	Model of level crossing	1
16	Flocculate	1
17	sewage treatment plant model	1



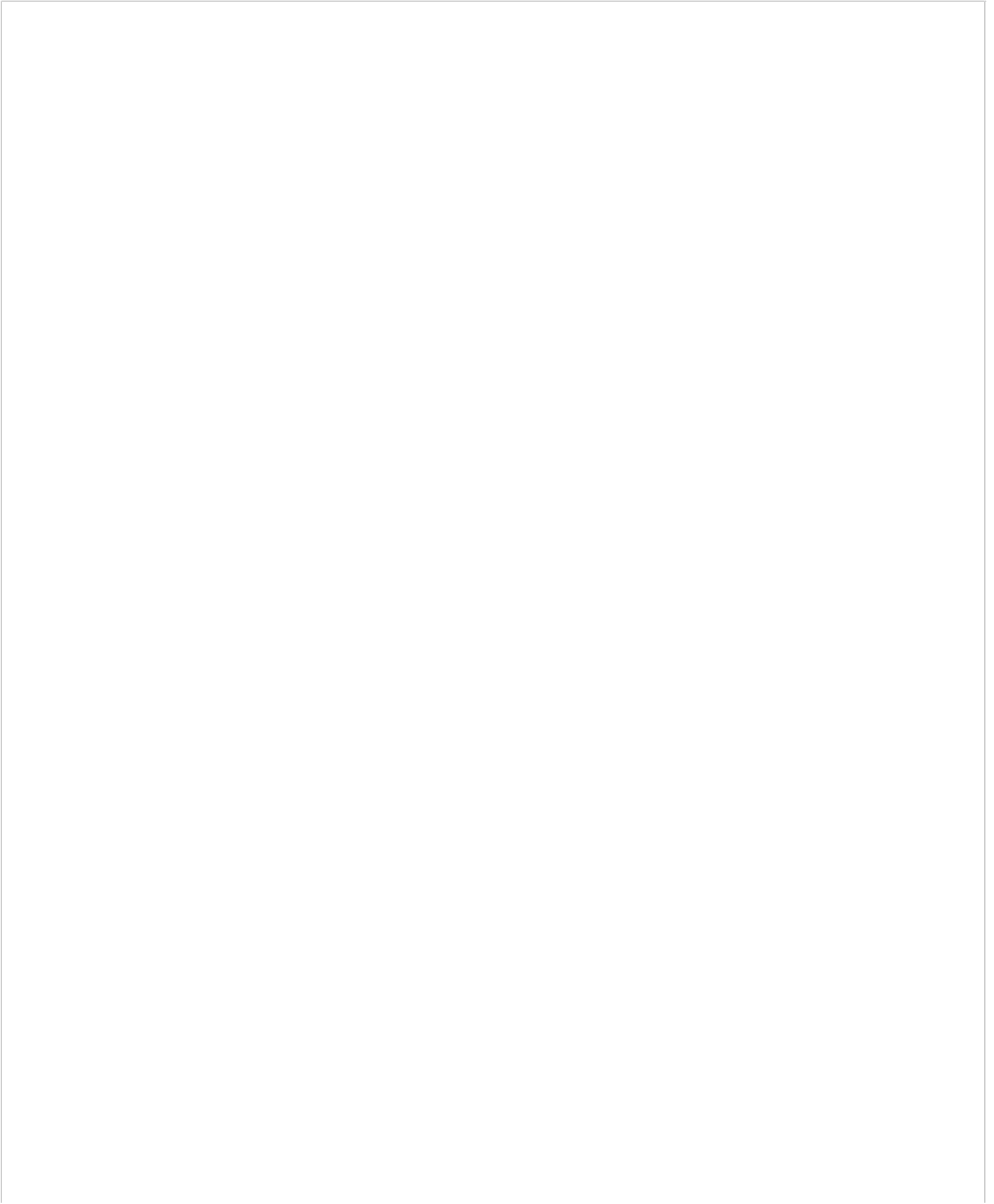
ELECTRICAL DEPARTMENT LABS :**Electrical Measurement Lab.**

ELECTRICAL LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Kirchhoff current law kit	1
2	Wheat Stone Bridge	1
3	Rheostat 120 ohm 1A	1
4	Earth Tester Kit	1
5	Digital Megger 500V	1
6	Transformer 1 Phase	1
7	Motor (DC/AC)	1
8	Digital Teco Meter	1
9	Lamp Bank	1
10	3 Phase Variac	1
11	1 Ph loading inductor	1
12	DUAL MODE POWER SUPPLY	2

DC Machine lab

D.C. MACHINE LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	LAMP LOAD BANK	1
2	3 PHASE VARIAC 0-415	1
3	DC SHUNT GENERATOR & COUPLED DC MOTOR	1
4	DC SHUNT MOTOR WITH STR & BRAKE DRUM	1
5	INDUCTION MOTOR 3 PHASE	1
6	3 PHASE TRANSFORMER	1
7	PT 220/110 V	1
8	LCR meter	1
9	Earth Tester Kit	1
10	Transformer 1 Phase	1
11	Kelvin Bridge	1
12	Transformer Rectifier Unit	1

AC Machine Lab



AC MACHINE LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	3HP SQUIRREL CAGE INDUCTION MOTOR WITH STAR DELTA STARTER	1
2	3HP SLIP RING I M WITH ROTOR RESISTANCE STARTER	1
3	SLIP RING I M (3HP) COUPLED WITH DC GENERATOR (2.5 KW) WITH DOL & ROTOR RESISTANCE STARTER	1
4	3 KVA ALTERNATOR COUPLED WITH 2 HP DC GENERATOR	1
5	SQUIRREL CAGE I M (3HP) COUPLED WITH DC GENERATOR (1.5 KW)	1
6	SYNCHRONOUS MOTOR 3 HP VARIABLE DC EXCITER PANEL	1
7	SQUIRREL CAGE IM (3HP) COUPLED WITH SHUNT GENERATOR ON DRIVE END	1
8	DISTRIBUTION PANAL & RECTIFIER 8 HIGH RATING ON-OFF CHANNEL1	1

Electrical Maintenance & Repair Lab

Electrical Maintenance & Repair Lab		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	DVD player	1
2	Mixer	1
3	Electronic Iron	1
4	Inverter	1
5	Electric Heater	1
6	Ceiling Fan	1
7	Television set	1
8	Water cooler	1
9	Washing machine	1

Switchgear & Protection Lab

Switchgear & Protection Lab		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Relay Testing Equipment	1
2	Motorized oil test set	1
3	Models of different circuit breakers	2
4	Over current relay should have sellay subtab	1

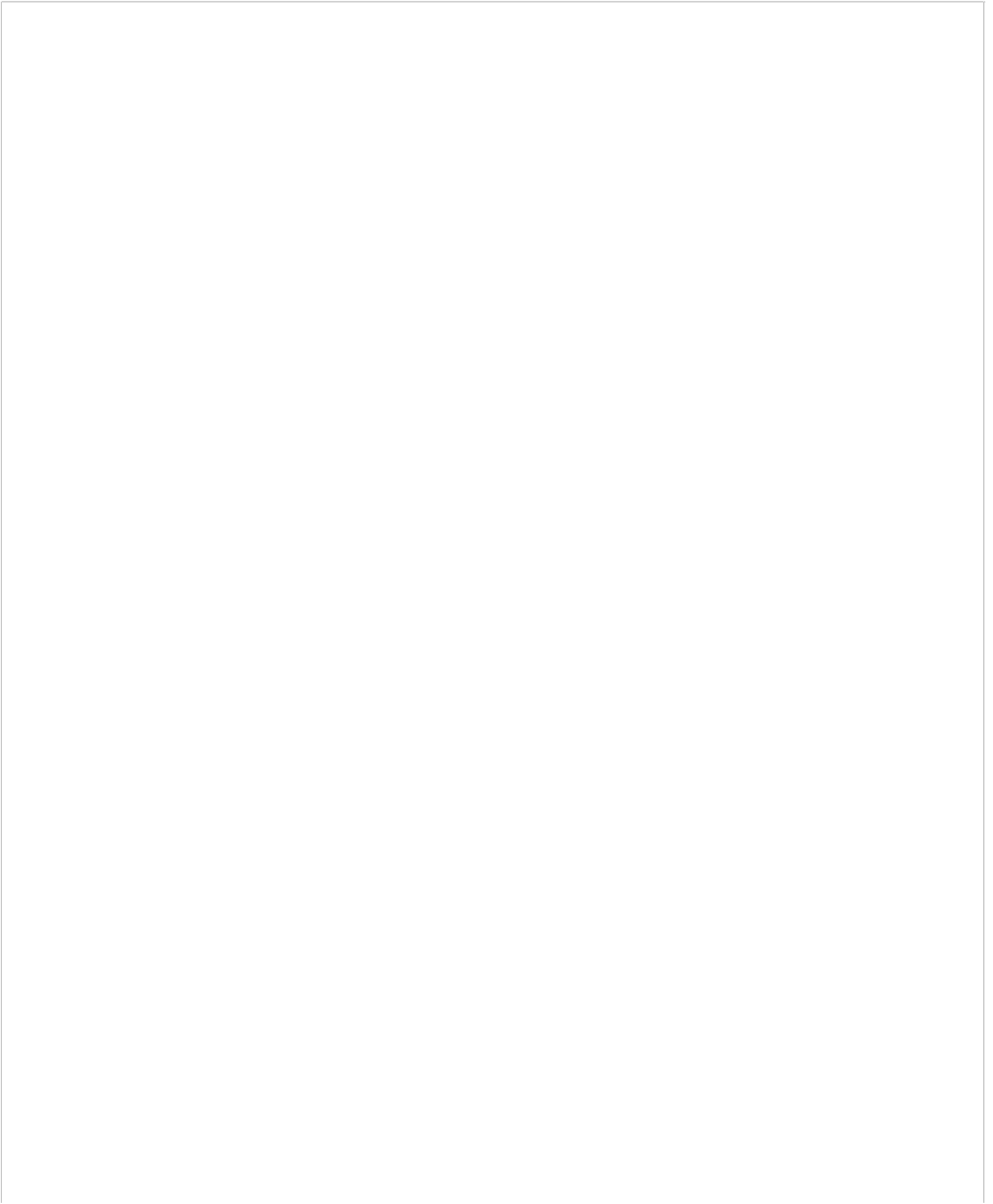
Power Electronics Lab

POWER ELECTRONICS LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	1Phase Full Wave Controlled Rectifier	1
2	To Study Series Inverter using SCR	1
3	Characteristics of SCR	1
4	To Study Chopper using SCR	1
5	parallel inverter	1
6	To Study battery charger using SCR	1
7	To perform speed control of DC Series motor	1
8	1 phase half wave controlled rectifier	1

Instrumentation Lab

INSTRUMENTATION LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	DISPLACEMENT TRANSDUCER (LVDT TYPE) WITH INSTRUMENTATION AND DIGITAL INDICATOR	1
2	STRAIN GAUGE WITH INSTRUMENTATION AND INDICATOR	2
3	STUDY OF PRESSURE TRANSDUCER WITH COMPLETE SET UP	1
4	PH Meter with glass electrode	1
5	D TO A & A TO D Converter	1

Electronic Lab.



ELECTRONIC LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Digital Multimeter	1
2	Function Generator	2
3	Power Supply DC 0-30V, 2A	1
4	Multi O/P Power Supply 0-30, 2A, 0-5 V, 5A	1
5	Multimeter mm3	1
6	30 MHz CRO	1
7	20 MHz CRO	2
8	Single Stage RC coupled Amp.	1
9	Line and load regulation chara. of in regulated and regulated power supply	1
10	Frequency Response Of negative feedback amplifier	1
11	Frequency Response Of FET amplifier	1
12	Pulse amplitude Demodulation	1
13	Pulse width modulation	1
14	Pulse width demodulation	1
15	Frequency Shift Keying Modulation	1
16	Frequency Shift Keying Demodulation	1
17	Amplitude Modulation	1
18	Amplitude Demodulation	1
19	Pulse position Modulation	1
20	Pulse position Demodulation	1
21	Frequency Modulation	1
22	Frequency Demodulation	1
23	Pulse code modulation	1
24	Pulse code demodulation	1
25	Ask Modulation	1
26	Ask Demodulation	1
27	PSK Modulation	1
28	PSK Demodulation	1
29	Op-amp as adder & Substrator	2
30	Second order high pass filter	1

MECHANICAL DEPARTMENT LABS

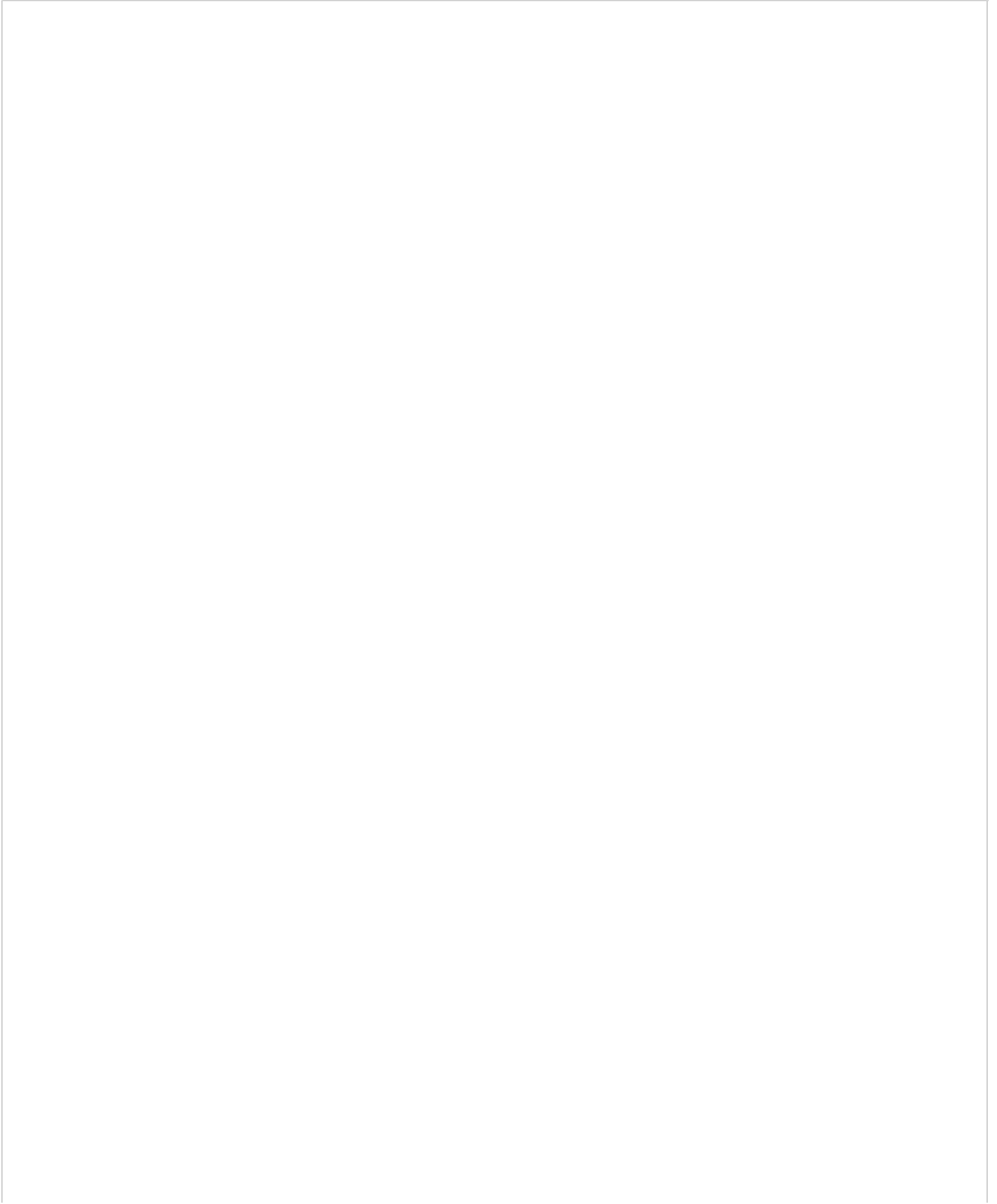
WORKSHOP

WORKSHOP LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	Bench vice	16
2	Pipe vice	4
3	1 HP 3P, drilling machine	1
4	Bench grinder	1
5	Lathe Machine	5
6	Welding Machine	1
7	Furnace with blower	2
8	Wood Turning Lathe	1
9	Power Saw`	1
10	CNC Lath Machine	1
11	CNC Milling Machine	1
12	WOOD WORKING (CARPENTRY) VICE APEX MAKE-9	8

THERMAL ENG LAB

THERMAL ENG LAB		
Sr.N o	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	SECTIONAL WORKING MODEL OF 2 STROKE PETROL ENGINE	1
2	SECTIONAL WORKING MODEL OF 4 STROKE PETROL ENGINE	1
3	SECTIONAL WORKING MODEL OF 2 STROKE DIESEL ENGINE	1
4	SECTIONAL WORKING MODEL OF 4 STROKE DIESEL ENGINE	1
5	MODEL OF LANCASHIRE BOILER MODEL	1
6	MODEL OF COCHRAN BOILER MODEL	1
7	MODEL OF BABCOCK AND WILCOX BOILER MODEL	1
8	MODEL OF LOCOMOTIVE BOILER MODEL	1

MQC LAB



MQC LAB		
Sr.N	Particular & Specifications of Major/Essential Equipment required	Available
o	for conduction of practical's as per	
1	Surface Plate	1
2	Ring Gauge	1
3	Thread plug gauge	1
4	Sine Bar	1
5	Comparator Stand	1
6	Height Gauge 0-300	1
7	V-Block With Clamp	1
8	Slip Gauge Set	1
9	Spirit Level	1
10	Digital Vernier caliper	1
11	Depth Micrometer	1
12	Vernier Bevel Protector	1
13	Dial Indicator 0.10-0.01 mm	1
14	Dial Indicator 0.10-0.001 mm	1
15	Gear Tooth Vernier	1

THEORY OF MACHINE LAB LIST

Sr.No.	Particular & Specification of Major Essential required for conduction of practical's as per Curriculum	No. Available
1	Single shoe brake	1
2	Double shoe brake	1
3	Disk brake model	1
4	Single stage helical gears	1
5	Epicyclic gear	1
6	Single slider crank mechanism	1
7	Double slider crank mechanism	1
8	Cam & followers set of 5	1
9	Cotter joint	1
10	Gib & cotter joint	1
11	Coil ignition system of automobile	1

FLUID MECHANICS LAB

FLUID MECHANICS LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practicals as per	Available
1	Bernoulli's Theorem Apparatus	1
2	Pelton Wheel Turbine Test Rig	1
3	Reciprocating Pump Test Rig	1
4	Venturimeter and Orificemeter Test Rig	1
5	Hydraulic Bench Set up for Major and Minor Losses	1
6	Centrifugal Pump Test Rig	1
7	Manometer & Pressure Gauge apparatus	1
8	Bourden tub pressure gauge	1
9	BASIC HYDRAULIC TRAINER	1
10	BASIC PNEUMATIC TRAINER	1
11	AIR COMPRESSOR	1

POWER ENGG. LAB

POWER ENGINEERING LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	TWO STAGE AIR, COMPRESSOR TEST RIG (1HP) WITH OUT PANEL	1
2	SINGLE CYLINER FOUR STROKE DIESEL ENGINE TEST RIG WITH ROPE BRAKE DYNAMOMETER (NEW ENGINE)	1
3	MULTI CYLINDER PETROL ENGINE TEST RIG(OLD RECONDITIONED ENGINE) MORSE TEST ARRANGEMENT WITH ROPE BRAKE DYNAMOMETER	1
4	Vapour Compression refrigeration System	1
5	Air conditioning System	1



HYDRAULIC LAB

Sr.No.	Particular & Specification of Major Essential required for conduction of practicals as per Curriculum	No. Available
1	Basic Hydraulic trainer	1
2	Basic Pneumatic trainer	1
3	Air compressor	1

AUTOMOBILE ENGG LAB

AUTOMOBILE ENGG LAB		
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practical's as per	Available
1	SINGLE PLATE COIL SPRING	1
2	SYNCHROMESH GEAR BOX	1
3	DIFFERENTIAL GEAR BOX	1
4	RACK AND PINION STEERING GEAR BOX	1
5	HYDRUALIC BRAKE SYSTEMS	1
6	RIGID AXEL SUSPENTION	1
7	TESTING OF BATTERY AND CHARGING SYSTEM	1

CAD CAM LAB

CAD CAM LAB	
Sr.No	Particular & Specifications of Major/Essential Equipment

**required for conduction of
practical's as per**

Available

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1	COMPUTERS	10
2	SOFTWARE CAD CAM	10
3	SOFTWARE DESIGN	10

APPLIED SCIENCE

Chemistry Lab

APPLIED SCIENCE (Chemistry Lab)			
Sr.No	Particular & Specifications of Major/Essential Equipment required for conduction of practicals as per	Available	Working condition No
1	PH Meter	1	1
2	Conductivity Meter	1	1
3	Measuring Scale	1	1
4	Measuring Cylinder	2	2
5	Thermo meter	2	2
6	Wire Guage	12	12
7	Reagent Bottle	4	4
8	Burrete	10	10
9	Burrete stand	10	10
10	Gauges	1	1
11	Test tubes	100	100
12	Test tubes stand wooden OHP	6	6
13	Xylene	9	9
14	Capacity Tube	2	2
15	Acetone	6	6
16	Crusible tourgs	4	4
17	Weight Machine	1	1



APPLIED SCIENCE**Physics Lab**

Sr.No	Description	No Available	Working condition No
01	Pulling Apparatus	02	02
02	Boltyes	02	02
03	Spherometer	01	01
04	Telescope	01	01
05	Thermometer (0 – 360 ° C)	02	02
06	Thermometer (0 – 100 ° C)	02	02
07	Regulated Power Supply	02	02
08	Pentode Valve	01	01
09	Stop Watch	02	02
10	Prism	03	03
11	Multimeter	04	04
12	Multi Tester	02	02
13	Ammeter, Micro Ammeter	05	05
14	Slotted Weights(All Sets)	01	01
15	Heating Coil	01	01
16	Lenses (Double Convex)	03	03
17	Resistance in series & parelled	02	02
18	Bifier Pendulam Apparatus	01	01
19	Sprit Level	01	01
20	Vernier Caliper	05	05
21	Potentio meter	01	01
22	Screw guage	05	05
23	Projector	01	01
24	P-N Juction Diode	02	02
25	Rheostat	02	02
26	Resistance Boxes	02	02
27	Optical Bench	02	02
28	Wire Bundle	03	03
29	Glass Slab	02	02
30	Tunning Fork 3 set	03	03
31	Sonometer Set	01	01
32	Test Tube	10	10
33	Spectrometer	01	01



APPLIED SCIENCE

Physics Lab

Sr.No	Description	No Available	Working condition No
34	Beaker 500ml Beaker 250ml	05	05
35	Measuring Cylinder	05	05
36	Joules Calorimeter	01	01
37	K- Constant App. With Weight	01	01
38	Bar Pendulum	02	02
39	Searls Apparatus	01	01
40	Voltmeter	05	05
41	Capacitor (60 – 80 ml)	01	01
42	Semi-Conductor	01	01
43	Flat Condenser Plates	02	02
44	Reading Lamp	01	01
45	Reading Lenses	02	02
46	Battery Eliminator	01	01
47	Mercury Vapour Lamp	01	01
48	Luminous Bodies	03	03
49	Portable Sound Source	01	01
50	Portable Decible Meter	01	01
51	Copper Wire	01	01
52	Steam Chamber	01	01
53	Heater 1500 Watt	01	01
54	Platinum Resistance Thermometer	01	01
55	Galvanometer	01	01
56	Standard Cell	02	02
57	Shunts of desired value connectors	02	02
58	Jockey	02	02
59	Experimental kit	05	05
60	Developer	01	01

Teaching Staff

Sr No.	Full Name	Gender	Grade	Department	Date Of Joining	Date Of Birth
1	Mr.Khillare Parkash Sakhram	Male	Principal	Civil Engineering	8/6/2008	24/02/1970
2	M/S.Deshmukh Snehal	Female	HOD	Genral Engineering(Applied Science)	1/7/2019	22/04/1996
3	Vijay		HOD	Electrical Engineering	12/6/2017	20/04/1992
4	Mr.Khamat Yogesh Sandu	Male	HOD	Mechanical Engineering	8/7/2013	18/07/1987
5	Mr. Pathade Rahul Bhusaheb	Male	HOD	Civil Engineering	22-09-2013	22/12/1990
6	Mr.Malale Ajay Ramchandra	Male	Senior Lecturer	Mechanical Engineering	2/7/2017	11/6/1973
7	Mr. Dilwale Akash Dwarkadas	Male	Lecturer	Electrical Engineering	5/9/2021	14/05/1992
8	Mr. Rathod Laxman Babu	Male	Lecturer	Civil Engineering	8/10/2021	12/12/1995
9	M/S. Thote Venshri Vitthalrao	Female	Lecturer	Genral Engineering(Applied Science)	1/7/2018	25/02/1990
10	Mr. Avdhut Nikhil Vitthalrao	Male	Lecturer	Mechanical Engineering	26/06/2018	1/9/1992
11	Mr.Kholase Sunil Shivaji	Male	Senior Lecturer	Electrical Engineering	10/8/2018	5/7/1989
12	Mr. Kedare Umesh Arun	Male	HOD	Civil Engineering	16-6-2017	2/10/1990
13	Mr.Vidhte Pravin Shripatrao	Male	Lecturer	Genral Engineering(Applied Science)	1/6/2016	23/03/1991
14	M/S. Jawale Jaya Ramesh	Female	Lecturer	Civil Engineering	6/1/2020	29/11/1996
15	Mr.Shagadkar Nandkishor Babanrao	Male	Lecturer	Genral Engineering(Applied Science)	11/6/2018	1/6/1990
16	Mr. Gayake Rushikesh Laxman	Male	Lecturer	Civil Engineering	10/6/2021	7/10/1999
17	Mr.Bore Sachin Dilip	Male	Lecturer	Mechanical Engineering	3/8/2020	22/05/1994
18	Mr. Bisen Nilaj Kishor	male	Lecturer	Electrical Engineering	7/8/2017	18/07/1994
19	Mr.Dale Nitin Shubhash	Male	Lecturer	Electrical Engineering	18-7-2018	20/07/1994
20	Mr.Pawar Partik Siddharth	Male	Lecturer	Mechanical Engineering	3/8/2020	27/06/1993
21	Mr.Shaikh Shaukat Hamid	Male	Lecturer	Mechanical Engineering	13-6-2019	23/03/1992
22	Mr.Grirge Ganesh Eknath	Male	Lecturer	Genral Engineering(Applied Science)	2/1/2016	30/06/1991
23	Mr. Pawar Revan Rambhau	Male	Lecturer	Genral Engineering(Applied Science)	15-12-2016	18/07/1986
24	Mr.Pathan Imran Kayyum	Male	Lecturer	Mechanical Engineering	10/11/2020	1/1/1999
25	Mr.Fatpure Somesh Vishnu	Male	Lecturer	Electrical Engineering	1/11/2020	6/1/1997
26	M/S. Nalawade Sarita Dinkar	Female	Lecturer	Genral Engineering(Applied Science)	2/11/2017	5/4/1991
27	Mr.Astikar Chaitnya Mohan	Male	Lecturer	Mechanical Engineering	1/7/2020	22/08/1992
28	Thote Prathmesh Sharad	Male	Lecturer	Electrical Engineering	01/01/2020	02/12/1994

NATH POLYTECHNIC, PAITHAN

B-1 ,MIDC,Paithan, Dist.Aurangabad 431148

Inst.Code. - 0958

Non-teaching Staff

No	Full Name	Designation	Date Of Brith	Qualificaion
1	SONAWANE KAPIL BHAUSAHE8	SR.CLERK	16-Nov-90	B.A
2	RAJENDRA SHIVAJI MAPARI	ACCOUNTANT	15.Jun-90	B.COM
3	SANTOSH BABASAHEB PATHADE	JR. CLEARK	8-0un-91	MA M.Lib
4	MAHESH RANGANATH WAVHAL	CLERK	22-Ma -96	B.A
5	RUSHIKESH SARJERAO ZINE	ACCOUNTANT CLERK	8-Au -98	M.COM
6	PRABHURAM TUKARAM JADHAV	PEON	15-Jul-67	B.A.
7	RAMESH NIVRUTI THOTE	LAB ASSISTANCE E.E.	9-May-83	i,T.I & DEE
8	RAJENDRA MADHAVRAO WAGH	WORKSHOP INSTRUCTOR	14-Sep-70	LT.I. & DME
9	MADHUKAR DEVIDAS PADAR	Lab Assistant ME	27-Jun-86	ITI & DME
10	BHOJRAJ BHAGINATH PARBAT	Lab Assistant ME	20-Apr-00	DME
11	BHOKARE RUSHIKESH ANIL	Lab Assistant CE		