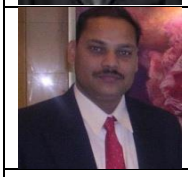
MANDATORY DISCLOSURE
Academic Year 2023-2024

1.	Name of the Institution	:- Y. B. Patil Polytechnic
	Address of the Institution	:- Sector No. 29, Near Akurdi Railway Station, Nigdi – Pradhikaran, Akurdi,
	City & Pin Code	:- Pune-411044
	State / UT	:- Maharashtra
	Longitude & Latitude	:- $73^0$55min East / 18^0 31min North Resp
	Phone number with STD Code	:- 02027659147
	FAX number with STD code	:- 02027659147
	Email ID	:-,principal@ybppolytechnic.ac.in principalyb@gmail.com
	Website	:- www.ybppolytechnic.org
	Nearest Railway Station(dist in Km)	:- Akurdi Railway Station, 01 km
	Nearest Airport (dist in Km)	:- Lohgaon, 20km
2	Name of the Trust	:- Dr. D.Y. Patil Pratishthan, KOLHAPUR
	Address of the organization	:- 2126E, Ajikyatara, Tarabai Park, Kolhapur-416003
	Tel. No.	:- 231/2653288/89/90 fax. 2653426
	Registered with	:- Charity Commissioner, KOLHAPUR
	Registration date:-	:- 27/12/1990
	Email Id	:- dypkolhapur@rediffmail.com
3	Name of Principal	:- Dr. Arvind S. Kondekar
	Designation	:- PRINCIPAL
	Phone & Mobile number	:- 020/27654121, 9923602484
	FAX number with STD code	:- 02027659147
	Email	:- principal@ybppolytechnic.ac.in principalyb@gmail.com,
	Highest Degree	:- Ph.D, M.E.(Production Engg.)
4	Name of the affiliating Board	:- MSBTE, Mumbai
	Address	:- Govt. Poly. Building. 3rd Floor, Ali Avar Jang Marg, Bandra East, Mumbai 400051
	Website	:- www.msbte.org.in

5 Governance

i. Members of the Board and their brief background

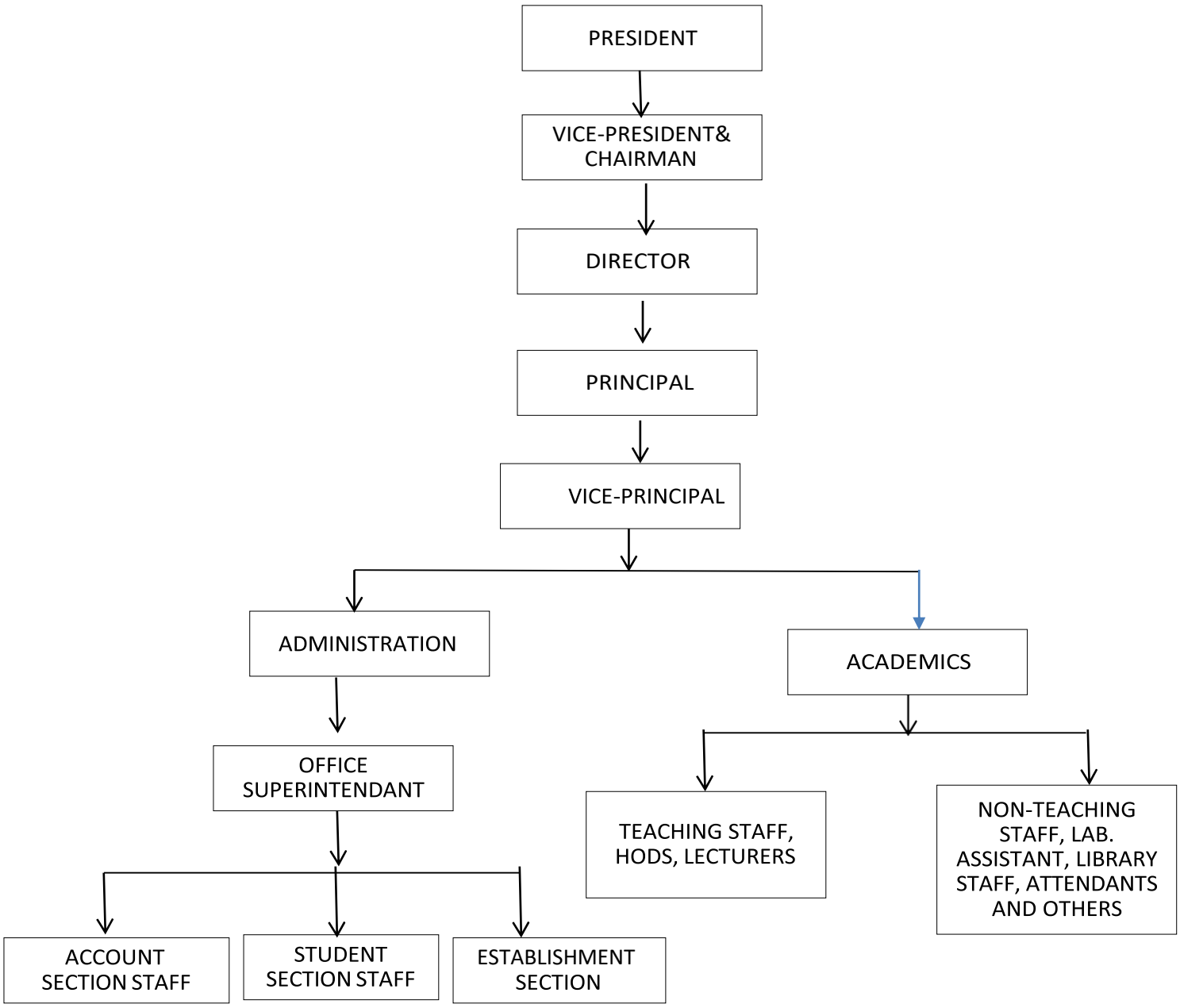
	Name of the member	**Position in BoG**
	Shri. Satej D. Patil	Chairman Dr. D.Y.Patil Educational Complex, Akurdi, Pune. 411044.
	Shri Tejas S. Patil	Member, Nominee, Trust
	Shri. Shripad S. Dharangutti	Member, Nominee, Trust
	RAdm Amit Vikram(Retd)	Member, Nominee, Trust
	Dr. S.S.Sarnobat	Member, Nominee, Educationist
	Mr. Hindurao Jadhav	Member, Nominee, Industrialist
	Member, Nominee, MSBTE	Member, MSBTE, Mumbai.
	Member, Nominee, AICTE	Member, Nominee, AICTE
	Member, Nominee, DTE	Member, Nominee, DTE
	Dr. A.S.Kondekar	Member Secretary
	Mrs. S.R.Muley	Member, Nominee, Vice- Principal
	Mr. A.H.Patil	Member, Nominee, Academic Co-ordinator

a. Members of Academic Advisory Body

Sr. No.	Name	Designation
01	RAdm Amit Vikram(Retd) Campus Director, Dr. D. Y. Patil Educational Complex Akurdi, Pune-411044	Chairman
02	Shri. Abhijit H. Patil HOD in Civil Engineering, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Co-ordinator
03	Mrs. Shilpa R. Muley Vice - Principal, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member
04	Mrs. Manisha V. Vibhute HOD in Electronics & Communication Enginnering, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member
05	Shri. Nandkumar S. Swami HOD in Mechanical Engineering, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member
06	Mrs. Pooja S. Ahuja HOD in Computer Engineering, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member
07	Shri. Mahadeo D. Walekar F. Y. Co-ordinator, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member
08	Shri. Amar Balugade Office Superintendent, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member
09	Dr. Arvind S. Kondekar Principal, Y. B. Patil Polytechnic, Akurdi, Pune-411044	Member Secretary

b. Frequently of the Board Meeting and Academic Advisory Body : **Yes**

c. Organizational chart



• Student feedback mechanism on Institutional Governance / faculty performance	Format as prescribed by MSBTE is used Along with additional formats prepared to take the feedback from the students
• Grievance Redressal mechanism for faculty, staff and students	A Suggestion box is kept in the office which is opened twice in a month and the committee formed takes the necessary remedial actions.

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

- Mechanism/ Norms and Procedure for democratic/ good Governance : Yes

- Student Feedback on Institutional Governance/ Faculty performance : Yes

ii. Grievance Redressal mechanism for Faculty, staff and students

Sr. No.	Name of Member	Designation
1	Mr.N.S.Swami	Chairman
2	Mr S.A.Korde	Member
3	Mrs.S.N.Bhatlawande	Member
4	Mr. A. B.Ghongade	Member
5	Ms.Neha Kale	Student Representative
6	Mr.Kalokhe A.Santosh	Student Representative
7	Mr.Pratish Muneshwar	Student Representative

iii. Establishment of Anti Ragging Committee

Sr. No.	Name of Member	Designation
1	Dr.A.S.Kondekar	Chairman
2	Mrs.M.V.Vibhute	Member
3	Mr.D.V.Moghekar	Member
4	Mr.A.H.Patil	Member
5	Mrs.P.S.Ahuja	Member

iv. Establishment of Online Grievance Redressal Mechanism : YES

v. Establishment of Grievance Redressal Committee in the Institution : Yes

vi. Establishment of Internal Complaint Committee (IC)

Sr. No.	Name of Member	Designation
1	Mrs.S.R.Muley	Chairman
2	Mrs.M.V.Vibhute	Member
3	Mr.A.H.Patil	Member
4	Mrs. Vandana Jagtap	Member
5	Mr. Yogesh Gurram	Member
6	Mr. Gourav Rahbhar	Student Member
7	Mr. Soham Gaikwad	Student Member
8	Ms. Anushka Sadegaonkar	Student Member

vii. Establishment of Committee for SC/ ST

Sr. No.	Name of Member	Designation
1	Mr. M.D.Walekar	Chairman
2	Mrs. A.V.Bansod	Member
3	Mrs. S.S.Gawai	Member
4	Mr. C.M.Pattanshetty	Member
5	Mr. Amit Ghongade	Member

viii. Internal Quality Assurance Cell

Sr No	Name	Designation
1	Dr. A. S. Kondekar, Principal	Chairman
2	Mrs.S.R.Muley, Vice-Principal	Coordinator
3	Mrs.M.V.Vibhute, HOD-ET	Member
4	Shri M.D.Walekar FU-Co-ordinator	Member
5	Shri.D.V.Moghekar, HOD-ME	Member
6	Shri.A.H.Patil, HOD-CE	Member
7	Mrs.V.S.Godbole, Faculty-ET	Member
8	Mrs.P.S.Ahuja, HOD-CO	Member
9	Shri.C.M.Pattanshetty, TPO	Member
10	Mr. Amar Balugade-OS	Member
11	Dr. V.A.Kulkarni, Academician	Member
12	Mr. Hindurao Jadhav, Industrialist	Member
13	Mr. Vishesh Bansal, Alumni Representative	Member
14	Ms. Swati Sharma, Student Representative	Member

6. Programmes

i. Name of Programmes approved by AICTE : **Engineering and Technology**

ii. Name of Programmes Accredited by NBA : Eligible : Filled SAR

iii. Total Number of Courses : **04 (Four)**

iv. For each Programme the following details are to be given:

Sr. No.	Name of Course	Intake	Duration	Fee	Placement Facilities
1	Civil Engg.	60	3	61000/-	Yes
2	Computer Engg.	180	3	61000/-	Yes
3	Electronics & Comm. Engg.	60	3	61000/-	Yes
4	Mechanical Engg.	60	3	61000/-	Yes

Name of the Department	Civil Engineering		
Course	Civil Engineering (CE)		
Level	Diploma		
Duration	3 Years		
1st Year of approval by the Council	2004 (Civil)		
Year wise Sanctioned Intake	**AY 23-24**	**AY 22-23**	**AY 21-22**
	60	60	60
Year wise Actual Admissions	53	60	60
Cut off marks – General quota		56%	50.60%

Name of the Department	Computer Engineering		
Course	Computer Engineering (CO)		
Level	Diploma		
Duration	3 Years		
1st Year of approval by the Council	1995		
Year wise Sanctioned Intake	**AY 23-24**	**AY 22-23**	**AY 21-22**
	180	120	120
Year wise Actual Admissions	180	120	120
Cut off marks – General quota		80.80%	80.80%

Name of the Department	Electronics & Communication Engineering		
Course	Electronics & Communication Engineering (ET)		
Level	Diploma		
Duration	3 Years		
1st Year of approval by the Council	1996 (Electronics & Communication)		
Year wise Sanctioned Intake	**AY 23-24**	**AY 22-23**	**AY 21-22**
	60	60	60
Year wise Actual Admissions	60	60	60
Cut off marks – General quota		57.80	84.00

Name of the Department	Mechanical Engineering		
Course	Mechanical Engineering (ME)		
Level	Diploma		
Duration	3 Years		
1st Year of approval by the Council	1984 (Mechanical)		
Year wise Sanctioned Intake	**AY 23-24**	**AY 22-23**	**AY 21-22**
	60	60	60
Year wise Actual Admissions	58	60	55
Cut off marks – General quota		55.83%	78.30%

- Campus placement in last three years with minimum salary, maximum salary and average salary
  https://docs.google.com/document/d/10KgV8DihE0WiAJTl9MqkcdY3JGqBchSA/edit

7. Faculty

- Branch wise list Faculty members:

Sr. No.	Name of Staff	Designation
1	Dr. Arvind S. Kondekar	Principal
2	Mrs. Shilpa R. Muley	Vice-Principal
First Year		
3	Mr. Mahadev D. Walekar	First Year In-charge Lecturer in Physics
4	Mr. Dada D. Shinde	Lecturer in Chemistry
5	Dr. Sapana S. ThakurRaje	Lecturer in English
6	Mrs. Prachi P. Kulkarni	Lecturer in Maths
7	Mrs. Priya A. Bhosale	Lecturer in Maths
8	Mrs. Tuhina Sen	Lecturer in English
9	Mrs. Pallavi Bobade	Lecturer in Chemistry
Computer Engineering		
10	Mrs. Pooja S. Ahuja	Lecturer
11	Mrs. Archana. V. Bansod	Lecturer
12	Mr. Santosh A. Korde	Lecturer
13	Mrs. Sukeshini S. Gawai	Lecturer
14	Ms. Asmita A. Mohite	Lecturer
15	Mrs. Rupali V. Shinde	Lecturer
16	Ms. Dimpal U. Chavan	Lecturer
17	Mrs. Rathod Priti N	Lecturer
18	Mrs. Jadhav Priyanka V	Lecturer
19	Ms. Priyanka Chetwani	Lecturer
20	Ms.Pragati K. Thorat	Lecturer
Mechanical Engineering		
21	Mr. Nandakumar S. Swami	HOD
22	Mr. Dilip V. Moghekar	Lecturer
23	Mr. Chandru M. Pattanshetty	Lecturer
24	Mrs. Swati A. Naik	Lecturer
25	Ms. Jadhav Snehal S.	Lecturer
26	Mrs. Gulhane Priti	Lecturer
Civil Engineering		
27	Mr. Abhijit H. Patil	HOD
28	Mrs. Sheetal P. Nalbilwar	Lecturer
29	Mr. Amit B. Ghongade	Lecturer
30	Ms. Manali M. Kulkarni	Lecturer
31	Ms. Damini Pradhan	Lecturer
32	Mr. C. A. Mahadik	Lecturer
33	Mr. Jagdish Patil	Lecturer
Electronics & Communication Engineering		
34	Mrs. Manisha V. Vibhute	HOD
35	Mrs. Vidya S. Godbole	Lecturer
36	Mrs. Sulakshana N. Bhatlawande	Lecturer
37	Mrs.Vaijayanti S.Yeole	Lecturer
38	Ms. Sakshi Gunde	Lecturer
39	Ms. Preeti S. Mohare	Lecturer
40	Mr. Abhay N. Borade	Lecturer
41	Mrs. Tejswini Patil	Lecturer

Faculty: Student Ratio 1:24

- Number of Faculty employed and left during the last three years – 5%

8. Profile of Principal :

For each Faculty give a page covering with Passport size photograph

- Name : Dr. Arvind Shahaji Kondekar
- Date of Birth : 09/02/1965
- Unique id : 1-4878033146
- Education Qualifications : Ph.D. (Mechanical Engineering)
- Work Experience
  i. Teaching - 36
  ii. Research -
  iii. Industry - 02
- Area of Specialization – Mechanical Engineering
- Courses taught at Diploma Level – Mechanical Engineering Department
- No. of paper published in National/ International : 05
- Master – Completed – M.E.(Production Engineering)
- Ph.D – Completed

9. Fee

- Details of Fee, as approved by State Fee Committee, for the Institution – Rs. 61,000/-
- Time schedule for payment of Fee for the entire Programme – At the time of admission
- No. of Fee waivers granted with amount and name of students – 18
  Names are as follows:

  2021-2022
  https://docs.google.com/spreadsheets/d/1VNGHlKApJ9q4898q8WJEE78GqJf_hFux/edit#gid=1055096092

  2022-2023
  https://docs.google.com/spreadsheets/d/1opHSAKPs3loJD18-DKL1i0lvkAcHVUcW/edit?gid=1487891114#gid=1487891114

  2023-2024
  https://docs.google.com/spreadsheets/d/18TOHUs3cds_OIj5xGPAC5_-sLETCPD90/edit?gid=1794641744#gid=1794641744

- Criteria for Fee waivers/scholarship – As per Government Rules
- Estimated cost of Boarding and Lodging in Hostels – Rs. 60,000/- per year

10. Admission

a. Number of Seats Sanctioned with year of approval

Diploma Programs

1. Civil Engineering (2004)- Intake 60
2. Computer Engineering (1995)- Intake 180
3. Electronics & Communication Engineering (1996)- Intake 60
4. Mechanical Engineering(1984) –Intake- 60

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

A.Y.- 2021-2022
https://docs.google.com/spreadsheets/d/1_d9BxFr22W50z6XPDbKM4GkvVJeJ5Jyk/edit#gid=1403814988

A.Y.- 2022-2023
https://docs.google.com/spreadsheets/d/1zld7YEfJnqKL-deVjubKx0y49J8_V7_k/edit#gid=1382359663

A.Y.- 2023-2024
https://docs.google.com/spreadsheets/d/116Ff1DX3bwYFsjw8wddKGhFyawqHGSRl/edit?gid=435840054#gid=435840054

c. Number of applications received during last two years for admission under Management Quota and number admitted – 20% of total sanctioned intake
https://docs.google.com/spreadsheets/d/1BG36B8Ao9efyYMZt7OlGCGHDoXJ8Kb9V/edit?gid=1794641744#gid=1794641744

11. Admission Procedure

- Admission process is carried out as per the guidelines given by DTE Maharashtra.
  - Mention the admission test being followed, name and address of the Test Agency and its URL (website) - **NA**
  - Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test) - **NA**
  - As per Norms given by DTE, Maharashtra, mentioned in Admission Information Brochure.

12. Criteria and Weightages for Admission

i. Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc. - **NA**

ii. Mention the minimum Level of acceptance, if any-NA

iii. Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years: **No any test for Diploma Admission Procedure**

iv. Display marks scored in Test etc. and in aggregate for all candidates who were admitted : **No any test for Diploma Admission Procedure**

13. List of applicant: Displayed on institute website : Click the below (display the management quota list)
https://docs.google.com/spreadsheets/d/1BG36B8Ao9efyYMZt7OlGCGHDoXJ8Kb9V/edit?gid=1794641744#gid=1794641744

14. Results of Admission under management seats: Click the below (display the management quota list)
https://docs.google.com/spreadsheets/d/1BG36B8Ao9efyYMZt7OlGCGHDoXJ8Kb9V/edit?gid=1794641744#gid=1794641744

15. Information of Infrastructure and Other Resources Available

Sr. No	Infrastructure Details	Quantity	Block (Area in Sq.mt)
1.	Classroom	09	90/66
3.	Drawing Hall (60 Capacity)	01	132
4.	Tutorial Room	02	33
5.	Girls' Hostel		1125 - 1199
6.	Boys' Hostel		1300
7.	Exam Control Office	01	30
8.	Computer Center	01	150
9.	Language Laboratory	01	66
10.	Laboratories	26	66
11.	Online examination facility	180 Nodes	
12.	Internet Bandwidth – 100 Mbps		

a. Barrier Free Built Environment for disabled and elderly persons – Yes

Department entrance is facilitated with Ramp and Lift to help physically disabled students for easy entrance. As per MSBTE norms, assistance is provided in examination. Faculty, staffs are following ethical guidelines to help such students wherever possible in campus


b. Occupancy Certificate – Yes
https://drive.google.com/drive/u/0/folders/1xMAwzieXrx4AKGYhr2B6scxYLdWq1Q-N

c. Fire and Safety Certificate –Yes
https://drive.google.com/drive/u/0/folders/1xMAwzieXrx4AKGYhr2B6scxYLdWq1Q-N

d. Hostel Facilities – Yes

e. Library

i. Number of Library books/ Titles/ Journals available (program-wise)
Books – 32596
Titles - 6917

ii. No. of Magazines / Journals subscribed - 21

iii. E- Library facilities – Yes

iv. National Digital Library - Yes
Club Member Registration ID: INMHNC3QFZFYBOE

f. Laboratory and Workshop

i. List of Major Equipment/Facilities in each Laboratory/ Workshop

❖ **Name of the Department: Computer Engineering**

PROGRAMMING LAB

Sr. No.	Name of Equipment
1	COMPUTER SYSTEM
2	PATCH CORD
3	INFORMATION OUTLET BOX
4	All IN One Printer
5	UPS 10KVA
6	24 PORT SWITCH(1024D)
7	WALL MOUNT SWITCH RACK
8	PATCH CORDS
9	24 PORT SWITCH(CAT-6UTP)
10	DELL T110 SERVER
Total Cost of Laboratory	Rs. 2022775/-

NETWORKING LAB

Sr. no.	Name of Equipment
1	COMPUTER SYSTEMS
2	24 PORT MBPS SWITCH(1024D)
3	24 PORT CAT 6 PANEL
4	INFORMATION OUTLET BOX
5	WALL MOUNT SWITCH RACK
6	24 PORT SWITCH (L2)
7	UPS 10KVA
Total Cost of Laboratory	Rs. 1911404/-

HARDWARE LAB

Sr. no.	Name of Equipment
1	HUB 16 PORT
2	HUB 8 PORT
3	SATA OR IDE TO USB CONVERTOR
4	PRONET 1/100 FAST ETHERNET SWITCH (8 PORT)
5	MODEM
6	8 PORT SWITCH
7	24 PORT SWITCH
8	DLP PROJECTOR BENQ MS500
9	DELL PROJECTORS
10	EXTERNAL USB DVD WRITER LG
11	USB HARD DISK SEGATE 1 TB
12	8 GB PEN DRIVE HP
13	LAN TESTER
14	WEB CAMERA
15	CANON LASER JET PRINTER 2900
16	DELL COMPUTER SYSTEMS
17	USB to PS2 CONVERTER
18	SAMSUNG 40GB HARDDISK
19	Crimping Tool
20	Mercury NS360 Speaker
Total Cost of Laboratory	Rs. 231974/-

SOFTWARE LAB 1

Sr. no.	Name of Equipment
1	UPS 10KVA
2	COMPUTER SYSTEMS
3	CANNON PRINTER
4	24 PORT SWITCH
Total Cost of Laboratory	Rs. 1127538/-

SOFTWARE LAB 2

Sr. no.	Name of Equipment
1	COMPUTER SYSTEMS
2	UPS 10KVA
3	24 PORT SWITCH
4	COMPUTER SYSTEMS
Total Cost of Laboratory	Rs. 1131530/-

- **Name of the Department : MECHANICAL ENGINEERING**

THERMAL ENGINEERING LAB

Sr. No.	Name of Equipment
1	Cut Section Models Of Various Boiler Mountings And Accessories.(9types)
2	Cut Section Models Impulse And Reaction Turbines
3	Thermal Conductivity For A Given Sample Of Solid Metallic Rod Test Rig.
4	Models Heat Exchangers (Jet Condenser, Evaporator, Radiator Etc.) (09)
Total Cost of Laboratory	Rs. 1131530/-

FLUID MECHANICS AND MACHINERY LAB

Sr. No.	Name of Equipment
1	Hydraulic Trainer Kit
2	Pneumatic Experimental Kit
Total Cost of Laboratory	Rs. 42185/-

METROLOGY & QUALITY CONTROL LAB

Sr. No.	Name of Equipment
1	Angle Gage Ste (13 Pieces)
2	High Pressure Dials Type Pneumatic Comparator.
3	Surface Roughness Tester
4	Autocollimator With Angle Dekkor
Total Cost of Laboratory	Rs. 445440 /-

THEORY OF MACHINE LAB

Sr. No.	Name of Equipment
1	Models And Charts Of Dynamometers
2	Models And Charts Of Different Types Of Clutch.(5)
3	Balancing Of Rotating Masses Test Rig
Total Cost of Laboratory	Rs. 89983/-

WORKSHOP

Sr. No.	Name of Equipment
1	Shaping Machine- Anoop- H-P-18-S
2	MTAB CNC machine
3	Universal Milling machine
4	Lathe- Machines- 4',6'
Total Cost of Laboratory	Rs. 2526233/-

CAD LAB

Sr. No.	Name of Equipment
1	Desktop with LAN
Total Cost of Laboratory	Rs. 13,36,950/-

POWER LAB

Sr. No.	Name of Equipment
1	4 Stroke Single Cylinder Diesel Engine
2	Morse Test Rig
3	2 stage Reciprocating air Compressor
4	2 Stroke Engine Model for Dismantling Purpose
Total Cost of Laboratory	Rs. 272650/-

- **Name of the Department : CIVIL ENGINEERING**

Sr. no.	Name of Equipment
1	Transit Theodolite as per ISI complete.
2	Quick setting Dumpy Level with stand.
3	1" Optic theodolite
4	Total Station
Total Cost of Laboratory	Rs. 606720/-

GEOTECHNICAL ENGINEERING LABORATORY

Sr. no.	Name of Equipment
1	Direct shear apparatus
2	Triaxial test apparatus
3	CBR Test apparatus
Total Cost of Laboratory	Rs. 227240/-

PUBLIC HEALTH ENGINEERING LABORATORY

Sr. No.	Name of Equipment
1	BOD Incubator
Total Cost of Laboratory	Rs. 55500/-

CONCRETE TECHNOLOGY LABORATORY

Sr.no.	Name of Equipment
1	Los Angeles abrasion Testing Apparatus
2	Compression testing machine
Total Cost of Laboratory	Rs. 104308/-

- **Name of the Department : ELECTRONICS & COMMUNICATION ENGINEERING**

Sr.no.	Name of Equipment
01	Mobile Phone Trainer
02	Audio CD/VCD/MP3 Player
03	PID Controller (Analog)
04	Colour TV Trainer(ST2651)
05	Spectrum Analizer
06	Rectifier Convertor (3 Phase FULL Wave)
07	Dual Trace Oscilloscope 100 MHz
08	Programmable Logic Controller (Digital)
09	Programmable Logic Controller(Analog)
10	Audio CD/VCD/MP3 Player
11	Logic Analyzer
Total Cost of Laboratory	Rs. 459676/-

g. List of Experimental Setup in each Laboratory/ Workshop

❖ Computer Engineering

Name of Laboratory: PROGRAMMING LAB

Sr. No.	List of practical set up
1	Write/compile/execute simple 'C' program: Develop minimum 2 programs using Constants, Variables, arithmetic expression.
2	Write/compile/execute simple 'C' program:Develop minimum 2 programs increment/decrement operators, exhibiting data type conversion
3	Write simple programs to convert temperature in Fahrenheit degrees to Centigrade degrees.
4	Write simple programs to calculate the area and perimeter of the rectangle, and the area & circumference of the circle
5	Decision Making and branching using if, if-else structure Write program to: (i) Determine whether a given year is a leap year or not. (ii) Determine whether a string is palindrome.
6	"Write program to:
7	(i) Find the greatest of the three numbers using conditional operators (ii) Find if a given character is vowel."
8	"Using switch statement: Write programs to :
9	(i) Print day of week by taking number from 1 to 7. (ii) Print a student's grade by accepting percent marks. "
10	Using switch statement: Write programs to check whether the triangle is isosceles, equilateral, scalene or right angled triangle
11	"Looping: Write a program to :
	(i) Find sum of digits of a given number. (ii) Generate multiplication table up to 10 for numbers 1 to 5."
12	"Write a program to :
	(iii) Find Fibonacci series for given number. (iv) Write a program to produce the following output:

Name of Laboratory: NETWORKING LAB

Sr. No.	List of practical set up
1	To observe Components of Network in your Computer Network Lab and state their specifications.
2	Identify transmission media and study specifications Identify network control devices and study specifications
3	To Prepare UTP/STP Cable in straight and Cross over mode and test by Line Tester.
4	To install a network interface card to locate MAC address of computer
5	To install and configure TCP/IP protocol configure peer to peer network in laboratory
6	To run basic TCP/IP utilities and Network Commands with all options
7	To Connect Computers in Star Topology using Wired Media and any Network control Device..
8	To Share Printer and Folder in Network.
9	Install Wireshark software and Configure as a packet sniffer
10	Capture packets of various protocols using Wireshark packet sniffer software and observe header files

Name of laboratory: HARDWARE LAB

Sr. No.	List of practical set up
1	Identify desktop and server by its type and verify its specification.
2	Identify type of laptop and verify its specification."
3	Identify hardware components on motherboard
4	Troubleshoot common problems of motherboard"
5	Configure BIOS settings
6	Partition and manage hard disk: format hard drives with different file system (Part - I)
7	Partition and manage hard disk: format hard drives with different file system (Part - II)
8	Install Operating System - Windows family (such as Windows 7 / Windows 10/ Windows Server 12)
9	Install Operating System - Unix family (such as Linux/Ubuntu/Centos)
10	Troubleshoot Hard Disk Problems.
11	Install local printer (Software configartion settings on printer and Troubleshooting)
12	Share printer in Network (Software configartion settings on printer and Troubleshooting)"
13	Set keyboard, mouse, monitor speaker, microphone and LCD Projector

Name of laboratory: SOFTWARE LAB 1

Sr. No.	List of practical set up
1	Write a program to Accept & display data for exchanging values of twovariables
2	Write a program to declare a class 'person' having data members name, age % salary. Accept & display this data for one object
3	Write a program to declare a class 'employee' having data members name,age.Accept & display this data for three objects.
4	Write a program to show how static member is shared by multiple objectsof the same class.
5	Write a program to find out the mean value of a given number using friendfunction.
6	Write a program to print student details using 'stud' class using constructorand destructor
7	Write a program to find prime number using default argument inconstructor
8	Write a program to find out the payroll system using single levelinheritance
9	Write a program to evaluate the largest number of an array using pointer
10	Write a program to search a character in a string using pointer
11	Write a program to input and display code and price for two items usingpointer to object
12	Write a program to display roll no & name of student us int 'this' pointer
13	Write a program to use function overloading to calculate volume ofcube,cylinder & rectangular box
14	Write a program to overload '-' operator
15	Write a program to display the output using the virtual function

Name of Laboratory: SOFTWARE LAB 2

Sr. No.	List of practical set up
1	Write a program to design a form using the components text field,label, checkbox, button, list.
2	Write a program demonstrating the use of Border layout .
3	Write a program to perform addition of two nos. make use of text field and button.
4	Write a program using AWT to create a member with various menu itemsand submenu items
5	Write a program using swing to display a Jcombobox in a applet.
6	Write a program to create a jtree and recognize mouse clicks on it.
7	Write a program to create a jtable on Japplet window
8	WAP to display the key pressed on Applet window.
9	WAP to make use of adapter classes
10	WAP to retrieve hostname and IP address in InetAddress class.
11	Write a program to design a form using the components textfield,label,checkbox,button,list.
12	WAP to use URL connection class and display 1.Protocol2.HostName 3.PortNumber 4.FILE Name.
13	WAP that demonstrate TCP/IP based connection between client abnd server
14	WAP to send data to table "XYZ" in database using prepared statement
15	Write a servlet to display the user name and password accepted from theclient.
16	WAP to use URL connection class and display 1.Protocol2.HostName 3.PortNumber 4.FILE Name.
17	WAP that demonstrate TCP/IP based connectionbetween client abnd server

❖ MECHANICAL ENGINEERING

Name of Laboratory : THERMAL ENGINEERING LAB

Sr. No.	List of practical set up
1	Air Compressor
2	Model Of Lancashire Boiler
3	Model Of Locomotive Boiler
4	Babcock & Wilcock Boiler
5	Cocheran Boiler
6	Model And Charts Of La-Mont' Boiler
7	Model And Charts Of Cochran Boiler
8	Various Mountings & Accessories
9	Cut Section Models Impulse And Reaction Turbines
10	Thermal Conductivity
11	Models Heat Exchangers (Jet Condenser, Evaporator, Radiator
12	Instruction Model Of 2 & 4 Stroke Petrol & Diesel Engine

Name of Laboratory : FLUID MECHANICS AND MACHINERY LAB

Sr. No.	List of practical set up
1	Hydraulic Trainer Kit
2	Pneumatic Experimental Kit
3	Minor Losses In Flow Through Pipe
4	Major Losses In Flow Through Pipe
5	Pelton Wheel Turbine Test Rig

Name of Laboratory : METROLOGY & QUALITY CONTROL LAB

Sr. No.	List of practical set up
1.	Vernier Height Gage
2.	Vernier Depth Gage
3.	Slip Gage Set
4.	Vernier Calipers
5.	Combination Set
6.	Micrometer External 0.25mm
7.	Micrometer External 50-75mm
8.	Micrometer Internal
9.	Depth Gage Micrometer
10.	Bevel Protractor
11.	Dial Gage Indicator
12.	Spirit Level 200 Mm
13.	Angle Plate
14.	Internal Telescopic Gage
15.	V-Block Magnetic (1 Pair)
16.	V-Block With Clamp (2 Pairs)
17.	Straight Edge 4"
18	Hand Caliperd (1 Set)
19	Engineering Square 6"
20	Steel Rule 12"
21	Steel Rule 1 Meter
22	Radius Gage1.7 R
23	Feelar Gage (26 Pieces)
24	Pitch Gage
25	Fit Box 1st
26	8" Vernier Caliper
27	Gear Tooth Vernier
28	Sine Bar 300 Mm
29	Surface Plate Granite
30	Sodium Monochromatic Light Unit
31	Specimen Set (6 Pieces)
32	Angle Gage Ste (13 Pieces)
33	Floating Carr. Dia. Measuring M/C
34	Demonstration Gauge Kit
35	Speed 150 Profile Projector
36	Gear Rolling Tester
37	"Ohp" With Screen And Stand

38.	High Pressure Dials Type Pneumatic Comparator.
39.	Screw Pitch Gauge,
40.	Screw Thread Micrometer
41.	Surface Roughness Tester
42.	Gear Tooth Vernier
43.	Autocollimator With Angle Dekkor

Name of Laboratory : THEORY OF MACHINE LAB

Sr. No.	List of practical set up
1.	Kinematics Pairs
2.	Inversion Of Four Bar Mechanisum
3.	Whitworth Quick Return Mechanisum
4.	Cam Testing Rig
5.	Gear Models
6.	Epicyclical Gear Train
7.	Static & Dynamic Balancing
8.	Models Of Mechanisum
9.	Models Of Mechanisum
10.	Friction In "Pivot" Bearing Set Up
11.	Types Of Drives
12.	Analogue Hand Tachometer
13.	Model Of Quick Return Mechanism For A Shaper. Reciprocating ,Oscillating
14.	Model Of Bicycle Free Wheel Sprocket Mechanism
15	Model Of Geneva Mechanism
16	Model Of Ackerman's Steering Gear Mechanism
17	Model Of Foot Operated Air Pump Mechanism
18	Model Of Slider Crank Mechanism
19	Model Of Different Types Of Cams And Followers
20	Double Slider Crank Chain Mechanism
21	Scotch Yoke Mechanism
22	Oldham's Coupling
23	Models Of Different Types Of Governors
24	Models And Charts Of Dynamometers
25	Models And Charts Of Different Types Of Clutch.(5)
26	Balancing Of Rotating Masses Test Rig

Name of Laboratory : POWER ENGINEERING LAB

Sr. No.	List of practical set up
1.	4 Stroke Single Cylinder Diesel Engine
2.	Morse Test Rig
3.	2 stage Reciprocating air Compressor
4.	2 Stroke Engine Model for Dismantling Purpose

❖ CIVIL ENGINEERING

Name of Laboratory: Surveying Lab

Sr. No.	List of practical set up
1	Study and use of metric chain , tapes, ranging rods, arrows
2	Measure distance between two survey points
3	Determine area of given field using chain and cross staff survey
4	Measure fore bearing and back bearing survey lines prismatic compass
5	Measure Fore Bearing and Back Bearing of survey lines of open traverse using Prismatic Compass
6	Measure Fore Bearing and Back Bearing of survey lines of closed traverse using Prismatic Compass
7	Simple leveling using Dumpy level
8	Differential leveling using dumpy level
9	Fly leveling using dumpy level
10	To plot cross sections and l sections of given area
11	Block Contouring

Name of Laboratory: Geotechnical Engineering

Sr. No.	List of practical set up
1	Water content of given soil sample using oven drying method
2	Specific gravity of soil by pycnometer method
3	To determine dry unit weight of soil by core cutter method
4	To determine plastic limit and liquid limit of soil
5	To determine shrinkage limit of soil
6	To determine grain size distribution of given soil
7	To determine coefficient of permeability by constant head permiablity
8	To determine CBR value of given soil
9	To determine shear strength by Vane shear test
10	To determine MDD and OMC of given soil sample

Name of laboratory: Concrete Technology

Sr. No.	List of practical set up
1	To determine of fineness of cement
2	To determine standard consistency, initial setting time and final setting time of cement
3	To determine silt content of sand by volume
4	To determine buckling of sand
5	To determine bulk density of fine and course aggregate
6	To determine water absorption of Fine and course aggregate
7	To determine fineness modulus of fine aggregate by sieve analysis
8	To determine aggregate impact value
9	To determine abrasion value of aggregate
10	To determine aggregate elongation index and flakiness index
11	To determine workability of concrete using slump cone test
12	To determine workability of concrete by compaction factor test
13	To determine compressive strength of concrete

Name of laboratory: Public Health Engineering Laboratory

Sr. No.	List of practical set up
1	To determine PH value of given sample of water
2	To determine turbidity of given sample of water
3	To determine residual chlorine in given sample of water
4	To determine suspended solids, dissolved solids and total solids of given sample of water
5	To determine optimum dose of co agulant in given raw water sample by jar test
6	To determine BOD of given sample of water
7	To determine PH value of waste water
8	To determine COD of given sample of water

Name of Laboratory: Engineering Mechanics laboratory

Sr. No.	List of practical set up
1	Differential axel and wheel
2	Simple screw jack
3	Worm and worm wheel
4	Single purchase crab winch
5	Use of force table to determine resultant of concurrent forces
6	Law of moment apparatus to determine unknown force
7	Apply lamis theorem to determine unknown force
8	To determine support reactions of simply supported beam
9	To determine coefficient of friction for Horizontal and inclined surface
10	To determine centroid of geometrical figures

Name of Laboratory: Model room

Sr. No.	List of practical set up
1	Identify components of building structure in given model
2	Identify components of staricase in given model
3	Identify components of doors and windows in given model

Name of Laboratory : LAB1 - APPLIED ELECTRONICS

Sr.No.	Equipment Name
1	Digital Storage Oscilloscope(50 MHz)
2	Diode Characteristics Kit
3	Transistor Characteristics Kit
4	FET Characteristics
5	UJT Characteristics
6	SCR Characteristics
	Half Wave Rectifier / Filter
	Full Wave Center Tap
7	Full Wave Bridge Rectifier / Filter
8	Voltage Doubler (Full Wave)
	Clipping Circuits
	Positive Clamper
9	Negative Clamper
10	Transistor Biasing Circuits
	CE Amplifier
	RC Coupled Amplifier
11	UJT Relaxation Oscillator
12	DC Motor Speed Control System
13	Rectifier Convertor (3 Phase HALF Wave)

Name of Laboratory : LAB NO.2 - DIGITAL & MICROCONTROLLER

Sr. No.	Equipment Name
1	Microcontroller Kits
	B)7SEGKBD (Interface 7 Segment Display)
	Microcontroller Kits
	7SEGKBD (Interface 7 Segment Display)
2	Microcontroller Kits
	C)DAC Interface (8 Bit DAC)
	Microcontroller Kits
	DAC Interface (8 Bit DAC)
3	Microcontroller Kits
	D)ADC0809 (8Bit ADC)
	Microcontroller Kits
	ADC0809 (8Bit ADC)
4	Microcontroller Kits
	E)Stepper Motor Interface Card with Stepper Motor
	Microcontroller Kits
	Stepper Motor Interface Card with Stepper Motor
5	Microcontroller Kits
	F) Traffic Light Simulation Card
	Microcontroller Kits
	F) Traffic Light Simulation Card

6	Microcontroller Kits
	G)SDIO-8(Digital I/O Simulation Board 8Leds & 8 switches
	Microcontroller Kits
	SDIO-8(Digital I/O Simulation Board 8Leds & 8 switches
7	8255 Study Card

Name of Laboratory : LAB NO.3 : ELECTRICAL

Sr.no.	Name of the equipment
1	3 phase load arrangement (Star and Delta)
2	3 phase Induction motor with load arrangement (pulley & belt arrangement)
3	KVL, KCL practical kit

Name of Laboratory : LAB NO.4- MEASUREMENT AND CONTROL

Sr.No.	Equipment Name
1	DC Position Control System
2	LCR Bridge
3	Stroboscope
4	PID Controller
5	ON/OFF Temp.Controller
6	Synchro Transmitter & Reci.
7	Battery Maintenance Charging Process Kit
8	Dead Weight Tester
9	RTD,TC Characteristics Trainer
10	Temp. Sensor Stripchart Recorder
11	Rotary Encoder Trainer
12	Flow Characteristics Setup for Venturi,Orifice,Rotameter,Pitot Tube
13	PID Controlled a)Level b)Flow Trainer
14	Programmable logic controller kit (1 data cable)
15	PH Meter with Electrode
16	Pattern Generator (Color)
17	Pressure Sensor (Transducer)
18	Strain Gauge, Panel Meter

Name of Laboratory : LAB NO.5- COMMUNICATION & ADVANCED COMMUNICATION

Sr. No.	Equipment Name
1	Spectrum Analyzer
2	A.M.Radio Receiver
3	F.M. Transmitter
4	Study Of P.P.M.
5	F.M Detector
6	Study of A.S.K
7	Study of P.C.M.
8	Study of F.S.K.
9	Study of A.M.
10	Study of P.A.M.
11	Antenna Directional Patterns
12	Measurement of Transmission Line Parameter
13	Fiber Optics Trainer
14	Color T.V. Trainer
15	Hi-Fi amplifier
16	TDM Pulse Amplitude Modulation / Demod. Kit
17	FDM Trainer
18	Delta Modulation & Demodulation
19	With Phones-16 nos
20	Trainer kit for Quadrature Amplitude modulation (8-QAM)
21	Trainer kit for ADPCM/ Differential PCM
22	Trainer kit for Quadrature phase shift keying (QPSK)
23	Various line code trainer
24	Trainer kit for Differential PSK
25	GSMmobile trainer kit
26	Microwave Test Bench E ,H,Magic plane Tee,Multihole Directional Coupler 3dB,T-Circulator
27	Frequency Modulation
28	Amplitude Modulation
29	Amplitude Demodulation
30	Pulse Width Modulation
31	Pulse Code Modulation

- Computing Facilities
  i. Internet Bandwidth – 100 Mbps
  ii. Number and configuration of System – 270, P4
  iii. Total number of system connected by LAN - All
  iv. Major software packages available - 23
  v. Special purpose facilities available(conduct of online meeting / webinars /workshops etc) – Yes
  vi. Facilities for conduct of classes /courses in online mode(theory/practical)-Yes
  vii. Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and Departments – NA
  viii. Social Media Cell –Yes
  - Click the below link
    YBPP Akurdi Pune Facebook Page:
    https://www.facebook.com/people/Y-B-Patil-Polytechnic/pfbid0JrQtNVA41zMvowP6dcahFEpze3n6omsq1n6e4F1m1u4e7gHvd1q5pPu5Av7ZJbbTl/
  - **YBPP Akurdi Pune Twitter Page**
    https://x.com/polytechnic_y
  - **YBPP Akurdi Pune Linkdin Page**
    https://www.linkedin.com/in/y-b-patil-polytechnic-502772136/

- List of facilities available
  Curricular/Extra curricular and Sports Activities
  https://www.ybppolytechnic.ac.in/infrastructure/facilities

- Short video of Infrastructure and facilities availale w..t. the courses in the website
  https://www.ybppolytechnic.ac.in/virtual-tour

- Teaching Learning Process
  https://www.ybppolytechnic.ac.in/download

16. Enrollment and placement details of students in last three years –

Academic Year	Total no. of students (Roll Call)	Number of students Interested for Placement	Number of students placed (A)	Higher Studies (B)	Entrepreneurship / Family Business (C)	Total Number of Students Placed (A+B+C)
2023-2024						
2022-2023	188	17	15	108	03	126
2021 - 2022	336	36	34	172	05	211

17. List of Research Projects/ Consultancy Works : NA
    a. Industry Linkage - Online Industrial Training of 4-weeks after 4th semester is completed by Diploma Engineering Students.

18. MoUs with Industries – Yes
    https://drive.google.com/file/d/1gCsjLGUVbzM_9J0MnJvTlbYdjs_yqyA2/view?usp=sharing