



## PLACEMENT AND INDUSTRY CONNECT

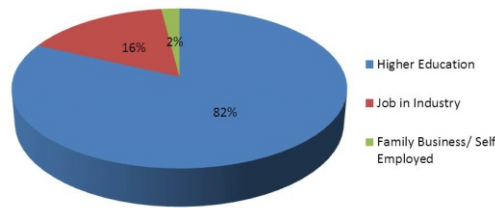


Certification of Training by TATA Indian Institute of skills



Online Aptitude Test for Recruitment Process of Kirloskar Pumps

### Placement Record of 2022



Pre Placement talk of GE Aviation

### ACADEMIC PARTNERS & TOP RECRUITERS



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[/polytechnic\\_y?s=08](https://twitter.com/polytechnic_y?s=08)

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## Dr. D. Y. Patil Prathisthan's Y. B. PATIL POLYTECHNIC AKURDI, PUNE

Recognized by Directorate of Technical Education,  
 Government of Maharashtra & affiliated to  
 Maharashtra State Board of Technical Education  
 & approved by All India Council for Technical Education



# INFORMATION BROCHURE

## Diploma in Engineering

**Duration:** (3 yrs) for 10<sup>th</sup> SSC, (2yrs) for 12<sup>th</sup> HSC (Science) / HSC (Science with Vocational)/ HSC (Science with Technical) / 2 years ITI from a recognized Institution in Maharashtra State

**Eligibility:** 10<sup>th</sup> SSC, 12<sup>th</sup> HSC

The admissions happen in accordance with merit on the basis of centralized option round, and depending upon the choices filled by the candidates post SSC and HSC result.

### Infrastructure and activities:

#### Library:

Rich collection of books

#### Internet:

High speed internet in computer labs

### Participation in competitions:

MSBTE and State level

### Language lab:

Well equipped language laboratory

### Academic Workshops:

Throughout the year

## Career Opportunities

- IT industry
- Core companies
- Product based companies
- Service Industry
- Family business
- Higher education

## Syllabus

### Brief Contents:

Subjects to change/s as per the new amendments from Maharashtra State Board of Technical Education, Mumbai

## Pattern: Semester Pattern Credit System

### Structure & Examination Pattern of Diploma in Engineering

#### First Year

#### Semester – I

- English
- Basic Science (Physics & Chemistry)
- Basic Mathematics
- Fundamentals of ICT
- Engineering Graphics
- Workshop Practice

#### Semester – II

- Elements of Electrical Engineering
- Applied Mathematics
- Basic Electronics
- Programming in 'C'
- Computer Peripheral and Hardware Maintenance
- Web Page Designing With Html

### Branch Wise Major Subjects:

#### Second Year & Third Year

#### Computer Engineering:

- Computer Engineering:
- Data Structure Using 'C'
- Computer Network
- Database Management System
- Operating Systems
- Java Programming
- Client Side Scripting Language
- Software Engineering
- Programming with Python

#### Civil Engineering:

- Hydraulics
- Construction Materials
- Environmental Engineering
- Transportation Engineering
- Geotechnical and Foundation
- Water Resource Engineering
- Maintenance and Repairs of Structures

#### Electronics & Communication Engineering :

- Digital Techniques
- Linear Integrated Circuits
- Control System & PLC
- VLSI With VHDL
- Industrial Automation
- Electric circuits and Networks
- Digital Communication Systems
- Microcontroller And Applications
- Mechatronics
- Emerging Trends in Electronics

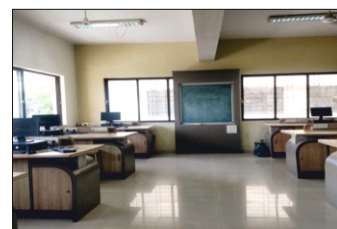
#### Mechanical Engineering:

- Strength of Materials
- Thermal Engineering
- Engineering Metrology and Mechanical Engineering Materials
- Theory of Machines
- Fluid Mechanics and Machinery
- Computer Aided Drafting Syllabus for Mechanical Engineering
- Manufacturing Processes
- Power Engineering and Refrigeration

## Diploma in Engineering

Diploma in Engineering	Duration	Intake
I) Diploma in Computer Engineering	3 yrs	180
II) Diploma in Electronics & Communication Engineering	3 yrs	60
III) Diploma in Mechanical Engineering	3 yrs	60
IV) Diploma in Civil Engineering	3 yrs	60

### Infrastructure



Electronics & Communication Engineering Laboratory



Electrical Laboratory



Language Laboratory



Library

### Academic Activities



Third Year Electronics and Communication Project- ROBO Car won second prize at Pimpri Chinchwad Polytechnic



Third year, Civil Engineering has won 1<sup>st</sup> prize in Quiz Competition held at Amity Global Business School



Tree Plantation



Blood Donation

### Extra-curricular Activities



Annual Sports Day



Traditional Day Celebration



Teacher's Day Celebration



Visit to Metro Station

Note: Examinations are conducted for all Theory Subjects and Practical Subjects, as per the rules of Maharashtra State Board of Technical Education, Mumbai.