D Y PATIL
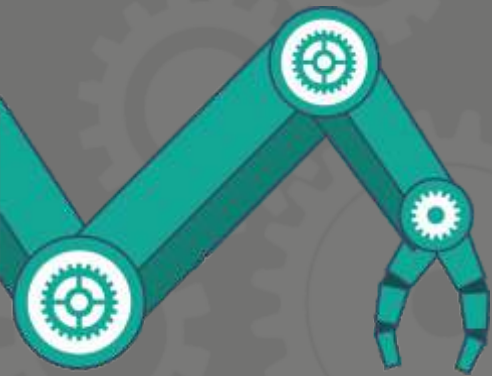## UNIVERSITY
PUNE, AMBI

21st Century University in India

School of
Engineering &
Technology

B.Tech I M.Tech | PhD
Approved by AICTE

Computer Engineering | Information Technology |
Mechanical Engineering | Civil Engineering |
Electronics & Telecommunication Engineering |
Automobile Engineering | Electrical Engineering

- School of Engineering & Technology consistently ranked in Times Engineering Institute Survey 2020 and 2021.

- Ranked 41th Top Engineering Colleges in India, ranked as 32nd Top Private Engineering Colleges in India and Ranked as Top 10 Engineering Colleges in West Zone at ALL INDIA RANKING.

D Y Patil University, Pune

Since 1983, D Y Patil Group of Institutions is a leading group known amongst the top education institutions in India. ' D Y Patil University, Pune was established vide Government of Maharashtra Act No. VI of 2019 and recognized by UGC, New Delhi, India.

D Y Patil Group of Institutions is founded to provide quality education and contribute towards the social responsibility. The foundation was laid by Hon'ble Dr D Y Patil in the year 1983 by starting the first engineering college in Navi Mumbai. Group began to grow exponentially in all the fields of education namely, Agriculture, Medical, Science, Engineering, Management, Design and many more. Under the leadership of father founder Padma Shri Dr D Y Patil group has more than 12 campuses across India those includes 7 Universities and more than 150 Institutes which are engaged in delivering education from KG to PG.

Our Journey

From 2006, at D Y Patil Technical Campus colleges namely **D Y Patil College of Engineering, D Y Patil School of Engineering Academy, D Y Patil Institute of Engineering and Technology, School of Pharmacy, Padmabhushan Vasantdada Patil College of Agriculture, D Y Patil Polytechnic, D Y Patil Institute of Management and D Y Patil School of Architecture** are successfully running UG and PG programmes which are approved by AICTE, MSBTE, PCI and COA wherein more than 7000 students are studying in the various programmes of campus.

Rich legacy and history of excellence spanning more than **13 years** havetransformed D Y Patil University, Pune and continued to provide cutting-edge programs.

MANAGEMENT LEADERSHIP

Dr. D. Y. Patil
Founder President

Dr. Vijay D. Patil
President & Chancellor

Mrs. Shivani V. Patil
Managing Trustee

Dr. Sayalee Gankar
Vice Chancellor

ADVISORY BOARD

Dr A M Fulambarkar
Dean - SOET
DYPU Pune

GK Pillai
Director & Advisor
Walchandnagar Industries Ltd.

Er. Ajay Bhagwat
M.D.
Renu Electronics, Pune

Vishwas Mahajan
Founder CEO
Whizible & Tie Trustee

Garima Babbar
Head Program, South Asia
Education & Skill Delvelopment,
ADOBE System

Saharsh David
HEAD CSR
Sandvik Asia

Hrishikesh Dhande
Head, Academic Interface
Program TCS Maharashtra

Dr. Ing. Yashodhan Gokhale
VP business development,
Octillion power systems

SCHOOL OF ENGINEERING AND TECHNOLOGY

School of Engineering & Technology is engaged creating the future leaders in engineering, science and technology. Our programmes are designed and delivered to build a foundation in engineering principles. Students are encouraged to collaborate across disciplines to apply skills to real-world problems.

At campus, student centric learning culture provides opportunities for learning and practicing. Engineering education is designed to understand 'how' things work and 'find' practical solutions with the use of scientific processes and application of theories. Students are made ready to play a role and perform functions as an engineer that is to design, evaluate, develop, test, modify, install, inspect and maintain a wide variety of products and systems.

ACHIEVEMENTS

- DYPU School of Engineering & Technology consistently ranked in Times Engineering Institute
- Survey 2020 and 2021
  Ranked 41 Top Engineering Colleges in India, ranked as 32 Top Private Engineering
- Colleges in India and Ranked as Top 10 Engineering Colleges in West Zone at ALL INIDA RANKING
- University Campus has received "Vanashree Award" as Green Campus by Government of Maharashtra and Ministry of Environment.
  D Y Patil University is awarded as University for Innovation in Global Collaborative Learning in 2021 at 19th World Education Summit.

HIGHLIGHTS

- B Tech, M Tech and PhD Programmes approved by AICTE
- Yearly renewed syllabus with support of industry for Choice Based Credit System and Multidisciplinary Education
- *Certifications explored with EdX, Course Era, NASSCOM, MOOCs, NPTEL and Swayam Freshman Orientation Programme, Finishing School, Competency Mapping - Behavioral Labs Boot Camp, Outreach, and Immersion Programmes for professional
- development
  Center for Academic Excellence for Industry 4.0 : Technical Education, Academic,
- Research and Innovation
- Blended Teaching of Online and Offline mode and use of Learning Management
- System (LMS)
- CIAP for providing career services, internship, live projects and final placement for students.
  Centre for Entrepreneurship, Innovation, and Incubation (CEII) to support Start-Up India
- MOU and partnership with leading Universities and Industry for academic, imparting technology joint research and techno-managerial development through guest lectures, seminars, conferences, on the job training, projects, and internships.
  Finishing School : 9 Student Clubs Readers' Club, Sport Club, Cultural Club, Photography Club, Film & Theater Club, Expressions Club, Social Media Club, Environmental Club and Outreach Club
  Residential Campus*

Conditions Apply*

> **"School of Engineering Program are offering specialisations approved by AICTE and are designed to develop engineering principles, innovation and scientific temperament to work in technology industries"**

Prof. Dr. A M Fulambarkar
Dean, SOET

VISION

To be a leading school for engineering and technology education that creates leaders, innovators and entrepreneurs through need based curricula, enriched academic delivery and industry partnership.

MISSION

- Provide quality and value based education that transform students through academic rigour
- Provide outcome based industry and socially relevant curriculum
- Develop the scientific, technology and research based approach
- Enhance the skills and competencies of students to pursue career in industry
- Provide innovation & entrepreneurship skills in new and emerging fields.
- Enhance industry-focused learning through academia and industry partnership
- Incorporate importance of service to the community and contribute towards social responsibility

B. Tech
Duration: Four Year | Eight Semester | 165 Credits

Branch/s

Computer Engineering
- Computer Engineering (Generic)
- Artificial Intelligence
- Network & Information
- Cyber Security

Information Technology
- Information Technology (Generic)
- Cyber Security and Digital Forensic
- Data Science
- Information Communication Technology

Mechanical Engineering
- Mechanical Engineering (Generic)
- Robotics
- Mechetronics
- Thermal Engineering

Civil Engineering
- Civil Engineering (Generic)
- Construction Management
- Structural Engineering
- Transportation Engineering

M. Tech
Two Year | Four Semesters | 80 credits

- **Computer Engineering**
- **Mechanical Engineering**
    - I) Design Engineering
    - II) Heat Power Engineering
- **Civil Engineering**
    - I) Construction Management
- **E & TC Engineering**
    - I) VLSI & Embedded Systems
    - II) Signal Processing

"Degree program B.Tech in Computer Science and IT offers skills of the future Big Data Analytics, Cloud & Cyber security Services, IoT, Artificial Intelligence and many other Digital Technologies required for Industry 4.0."

Prof. Dr. Mininath Nighot
Computer & IT Engineering

* University has right to make the changes in branches/ programme structure / subject basket/ assessment / evaluation.

B. Tech Programme Structure

- Basic Science Courses
- Engineering Science Courses including workshop, drawing, basics of electrical/mechanical/computer/ automobile/information technology/electronics and telecommunication
- Professional Core Courses
- Professional Elective Courses relevant to chosen specialization/branch
- Open subjects – Electives from other technical and /or emerging areas
- Project work, seminar and internship in industry or professional organization
- Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Traditional Knowledge

M. Tech Programme Structure

- Engineering Science Courses
- Professional Core Courses with Lab
- Professional Elective Courses
- Project work in industry or elsewhere

- University offers facilities to motivate young generations through various possible resources and opportunities to instigate research based learning.
- The industry collaboration, field study and industry-institute interaction opens up the means for experiential learning.
- Project based learning methods helps in confidence building by understanding theoretical concepts and practical aspects.

" **B.Tech Program offers Core specialisations in all branches. Certifications* in current and future technology are part of the curriculam** "

Prof. Dr. Laxman Kamble
HOI, DYPIET

Pedagogy

- Classroom Learning: lectures, interactive sessions, audio video, Online learning.
- Continuous Evaluation and assessment: Internal 60% and External 40% for each subject.
- Group based learning: Group Assignments & Presentations to learn collaborative skills.
- Technical workshops.
- Industry-Academia : Guest lectures, Seminars & Conferences.
- Webinars for National and Global Exposure.
- Field Visits, Industry Visits and Study Tours Live projects, group projects, winter projects and summer internship

" **M. Tech engineers are in great demand for the technological advancement , product development, innovation and research in all sectors. Our MTech program aims to build technical and research skills. Working engineers can take admission in core specializations.** "

Dr. Shailesh Channapatna
Head Research Program

* University has right to make the changes in branches/ programme structure / subject basket/ assessment / evaluation.

Conditions Apply*

Industry Partnership I Collaborations I MOU

Proximity to Indian Corporates in Mumbai and Pune
University campus has become the "Seat of Education and Knowledge". It is preferential education destination for students. Campus is equally distanced from both Pune and Mumbai. Due to which academicians, industry practioners and industry from India's Financial Capital Mumbai are partnered and providing training, internship and placement.

- Mumbai
- Pimpri Chinchwad Industry
- IT Industry- Hinjewadi
- MIDC-Chakan
- Pune
- MIDC-Talegaon

Industry Focused Learning
Programs are designed, developed and reviewed in consultation with academic experts and leading industry practitioners for ensuring relevant learning.

Practice, Experience and Experimentation
Industry projects, Joint programs, certifications, research, internships and placements are the outcome of partnership.

100+
Companies Participated
International and National Offers

₹ **3.8** LACS P.A
Average Salary

₹ **10.0** LACS P.A
Highest Salary

OUR FUTURE RECRUITERS

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Cummins

TATA MOTORS

Reliance Communications

FORCE MOTORS

BSNL Connecting India

Adobe

Finolex

HYUNDAI

L&T Infotech

TATA CONSULTANCY SERVICES

BOSCH

" Be the next forward thinker to tackle social, economic and industry challenges through theoretical and practical approach, we prepare you to work for Industry 4.0 "

Prof. Dr. Rajesh Kherde
Head - CIAP

- SAE BAJA 2019 and ATVC 2020.
- Basketball event in 18th'ZEST-20' organized in 2020.
- Basketball event in 'VIJAY-2K19' in 2019.
- 'MAHARASHTRA SHREE-2019' State Level Body Building Championship organized by Maharashtra Body Builder Association in 2019.
- 'BEST PHYSIQUE COMPETITION' Inter Collegiate Competition in 2019.
- 'BODY BUILDING CHAMPIONSHIP' in 2019.
- Basketball event 'SUMMIT 18'National Level Inter-Engineering Sports Meet in 2018.

Campus

DY Patil University is known for its Architect - buildings, large campuses, world class stadium and sports culture. Ambi campus is spread over more than 40 acres of land, fresh air and climate, lust green and amidst of nature near the valley. Campus has modern structure, academic spaces include library, studio, labs & workshops.

Student Clubs

Students at campus can pursue their passions through clubs like Photography club, the dancing club, the film club, the singing club, the theatre/ club, storytelling club, book reading club and sports club are engaged to organize various competitions and events.

Student Council

University has elected student council which contributes in the academic and disciplinary proceedings. Committees are Student Welfare Committee, Sports Committee, Cultural Committee and Youth Leadership Development Committee.

Infrastructure

The campus is amidst nature with flora and fauna gives the campus a uniqueness and located near the valley. Infrastructure is a modern design which resulting into a scenic and beautiful campus with quietness.

Accommodation*

University has best accommodation facilities for boys and girls students.

Library

Library is equiped with books, journals, E Resources & Data bases.
DYPU quarterly publish journal "IJSTEAM With ISSN No. 2582-8509

Conditions Apply*

INTERNATIONAL CERTIFICATION
FROM FEW OF OUR STUDENTS

Priyanka Dhamane
Programming for Everybody
University of Michigan

Vishwanath Naikwade
Programming for Everybody
University of Michigan

Dipanshu Garg
Programming for Everybody
University of Michigan

Nishant Chaware
Introduction to Deep Learning
National Research University

Shubham Khedekar
Renewable Energy And Green
Building Entrepreneurship
University of Duke

Priya Wazarkar
Renewable Energy And Green
Building Entrepreneurship
University of Duke

Yash Sonawane
Introduction to Facial Sludge
Management
**Ecole Polytechnique Federale
de Lausanne**

Yukta Mahajan
Revit for Architectural Design
Exam Prep
Autodesk

Dhote Bhushankumar
Electric Power System
University of Buffalo

Kuntawar Shreya
Electric Vehicles and Mobility
Ecole des Ponts ParisTech

Ahire Anand
Electric Power Systems
University of Buffalo

Bonde Vinay Rajendra
Electric Power Systems
University of Buffalo

Mohit Mahajan
Programming for Everybody
University of Michigan

Vaishnavi Raje
Python Data Structures
University of Michigan

Amey Mete
R Programming
John's Hopkins University

Tejaswini Sarode
Programming for Everybody
University of Michigan

Sayali Badgujar
AI for Everyone
Deeplearning.ai

Samriddhi Garudik
Introduction to Cloud Identity
Google Cloud

Rahul Vashistha
Excel Skills for Business
Essentials
Macquarie University

Karthik Arumugam
Programming for Everybody
University of Michigan

University of Washinton

University of Michigan

University System of Georgia

Duke University

**University of Colorado
Boulder**

Macquarie University

Stanford University

University of California

University of Melbourne

Eligibility Criteria for B.Tech (1st Year & Direct 2nd Year)

Maharashtra State Candidate

1. The Candidate should be an Indian National.

2. Passed 10+2 examination with Physics/ Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/Entrepreneurship. (Any of the three) Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.

OR

Passed min. 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) subject to vacancies in the First Year, in case the vacancies at lateral entry are exhausted. (The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the program) and The Candidate should have appeared in all the subjects in MHT-CET 2021/PERA-CET 2021 and should obtain nonzero score in MHT-CET2021/PERA-CET 2021.

OR

3. Passed Diploma in Engineering and Technology and obtained at least 45 % marks (at least 40 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only).

OR

4. Passed IB(International Baccalaureate) Diploma with a minimum score of 24 Credits

OR

5. Passed B. Sc. Degree with minimum 50% marks (Minimum 45% in case of in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only).

All India Candidates

1. The Candidate should be an Indian National.

2. Passed 10+2 examination with Physics/ Mathematics / Chemistry/ Computer Science/Electronics/Information Technology/ Biology/Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/Entrepreneurship. (Any of the three) Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.

OR

Passed min. 3 years Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) subject to vacancies in the First Year, in case the vacancies at lateral entry are exhausted. (The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the program) and should obtain nonzero positive score in JEE Main Paper I OR the candidate should have appeared in all the subjects in MHT-CET 2021/PERA-CET 2021 and should obtain nonzero score in MHT-CET2021/PERA-CET2021.

OR

3. Passed Diploma in Engineering and Technology and obtained at least 45 % marks (at least 40 % marks, in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only).

OR

4. Passed IB(International Baccalaureate) Diploma with a minimum score of 24 Credits

OR

5. Passed B. Sc. Degree with minimum 50% marks (Minimum 45% in case of in case of Backward class categories and Persons with Disability candidates belonging to Maharashtra State only).

Eligibility Criteria for Bachelor of Technology Direct Second Year (DSY B. Tech)

Maharashtra State Candidate & All India Candidates

1. The Candidate should be an Indian National.

2. Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in ANY branch of Engineering and Technology.

OR

2. Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.

OR

2. Passed D.Voc. Stream in the same or allied sector. (The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme)

Eligibility Criteria Rules as stated by AICTE and UGC will be applicable time to time.

For International Students* –
Students applying through PIO(Person of Indian Origin)/FN (Foreign National)/ OCI (Overseas Citizenship of India) are requested to write a mail to admissions@dypatiluniversitypune.edu.in or contact Admission Office on 8448444230.

Eligibility Criteria for M.Tech

1. Candidate should be an Indian National.

2. Passed Bachelor's Degree in relevant field of Engineering and Technology from All India Council for Technical Education or Central or State Government approved institutions or equivalent, with at least 50% marks(at least 45 % in case of Backward class categories and Person with Disability candidates belonging to Maharashtra State only)

3. Passed Bachelor Degree in the relevant course of Engineering and Technology as specified in the eligibility criteria for admission to a Post Graduate Degree course of the concerned University for which admission is being sought

4. Obtained Non-Zero positive score in Graduate Aptitude Test in Engineering (GATE) conducted by Indian Institute of Technology.

OR

5. For sponsored candidate, minimum two years of full timework experience in a registered firm / company/ industry/ educational and/or research institute / any Government Department or Government Autonomous Organization in the relevant field in which admission is sought.

Eligibility Criteria as per AICTE, UGC & As per 2021-22 APH will be applicable.

Selection Process

Inter-Se-Merit based on score in MHT-CET2021/JEE(Main) for seeking admission through Maharashtra State Quota

OR

Inter-Se-Merit based on score in MHT-CET 2021/JEE (Main) 2021 for seeking admission in All India Quota.

Eligible candidate are required to apply along with academic credentials and required entrance test score. Candidate has to appear for selection process of DYPU. Based on above, a merit list will be prepared.

Apply Online www.dypatiluniversitypune.edu.in

D Y PATIL
UNIVERSITY
PUNE, AMBI

**School of
Engineering &
Technology**

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admissions@dypatiluniversitypune.edu.in
Application Form Technical Support
+91 810-4502-268

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📱 **Apply online**