



SCHOOL of  
**POLYTECHNIC AND  
SKILL DEVELOPMENT**

World's First University  
for Life Transformation

**15<sup>th</sup>** Rank in India  
(TOI 2018)

## **DIPLOMA & Integrated BTech**

### **Ranking and Accreditation**

- Ranked among Top 10 Private Engineering colleges for Placement
- ISO 9001:2015

### **Engineering Programmes after 10th Std.**

**Diploma** (3 years)

**Diploma + Integrated BTech** (6 years)

Supported by



UNESCO Chair for Human Right,  
Democracy, Peace & Tolerance  
World Peace Centre(Alandi)  
Pune, India

[mitwpu.edu.in](http://mitwpu.edu.in)



SINCE 1983  
Dr. Vishwanath Karad  
**MIT WORLD PEACE  
UNIVERSITY | PUNE**  
TECHNOLOGY | RESEARCH | SOCIAL INNOVATION & PARTNERSHIPS



# School of Polytechnic & Skill Development

MIT-WPU School of Polytechnic and Skill development, known as MIT Polytechnic is focused on providing value based knowledge, entrepreneurial skills and the aptitude required for youth to excel in their employment, or as entrepreneurs or even for them to continue their education leading to a degree program with professional excellence.

Since its inception in 2001, MIT Polytechnic (now School of Polytechnic), under the aegis of the world's first university for life transformation, is a leading polytechnic in the state of Maharashtra with state of the art infrastructural facilities as well as an excellent teaching faculty. The prominent advantage of being at MIT-WPU polytechnic is that students are oriented towards having a problem solving attitude. This is because we believe in creating an aptitude within our students towards social innovation and other key knowledge areas. Our academic programs are redefined to develop holistic and winning personalities within the students. This in turn equips them with confidence making them better at solving real life problems.

At MIT-WPU School of Polytechnic, the pioneering spirit is also kept very much alive. You will find that we provide an up to date and well equipped campus for training students in the new industries and emerging technologies. Our core philosophy and leadership provide us with the direction necessary for a sustained vision to reach beyond excellence.

## Our Diploma Faculty Programmes emphasis on:

- Basic Sciences
- Engineering core
- Departmental core
- Departmental electives
- Humanities and World Peace Studies
- Skill base courses
- Rural Immersion Program
- Guest Lecture from industrial person every week
- Summer Internship
- National Study tour

## Diploma (3 years)

Computer Engineering	90 Intake
Mechanical Engineering	90 Intake
Civil Engineering	40 Intake
Electronics & Telecommunication	40 Intake

## Integrated BTech (3+3 years)

Computer Engineering	30 Intake
Mechanical Engineering	30 Intake
Civil Engineering	20 Intake
Electronics & Telecommunication	20 Intake

## Why Diploma ?

The decision to choose a diploma previous to degree is an important life choice that needs to be weighed up with all the facts in mind. In an ever-changing and competitive job market, vocational education can make you more able to accomplish your career and life goals than a degree will.

If you are choosing to further your study, you will most likely be a motivated person and will do well in your career regardless.

1. Diplomas make you job ready faster - Many university degrees will focus on theory-based knowledge that may not guarantee you the career or position you want.
2. You are more likely to be hired and valued
3. You will potentially earn more from the beginning
4. Diplomas and higher education can be completed in same time
5. Diplomas are a fraction of the cost and provide better value for money
6. Diplomas often have fewer rigid pre-requisites and more people like you
7. Learning is flexible

With the right qualifications, student will be able to plan your career choices and utilize your skills. In many cases, a diploma is the best answer: it comes at a fraction of the cost, time and effort, and equips you with better practical skills and confidence for your new career.

## Why Integrated B Tech

School of Polytechnic and Skill development, known as MIT Polytechnic is focused on Integrated B Tech which will giving value addition courses to students. These will have 18 + credits additional. It will be 6years course. The add on are as follows –

- Interdisciplinary branch specific courses
- Value addition courses for applied Science and Maths
- Skill based Courses

For Integrated B Tech special courses duration would be as –  
1st year – 3 courses | 2nd year – 2 courses | 3rd year – 1 course

## Pedagogy

First year provides foundation of basic sciences including living systems. Design being the central activity to the engineering profession, social internship in the first year is credit based and exposes the students to the problems faced by the community. This is expected to sow the seeds of socially oriented innovation in the students' mind. With unique study of Humanities and Peace studies along with Yoga in the very first year of diploma engineering, our students would be groom perfectly for the further studies and industry ready professionals.

Second year courses are designed to provide grounding in basic engineering sciences from the chosen disciplines. Summer internship at the end of the second year involves guided study tour. The tour will expose the students to our diverse culture technology achievements and challenges.

Third year will include the subjects belonging to the chosen track in his/her trade. National study tour of one week duration will offer a national exposure whereas industry internship will offer real life industry experience. Capstone project and inter- disciplinary project will inculcate problem solving skills, team spirit, professional ethics, and habit of self-learning.

<b>Duration:</b>	Three Year (Full-time)
<b>Pattern:</b>	Trimester System, Nine Trimesters
<b>Credit:</b>	Choice based Credit System, 150+ Credits

### Specimen Day Schedule:

#### Technology Courses:

Theory, Laboratories and Practice

#### Experiential Learning:

Projects, Assignments and other activities

#### World Peace Courses:

Yoga, Sports, Life Skills, Peace studies

#### Interaction:

Mentoring & tutorials



## Civil Engineering

The Diploma in Civil Engineering offered at MIT-WPU's School of Polytechnic is a program that covers important functional areas within Civil Engineering such as Structures, Transportation, Water Technology and Project Management. Considering the massive infrastructural growth across major cities in India, our program focusses on the key skills required specifically in the construction domain within Civil Engineering.

### Programme Objectives

With the increasing infrastructure development we are focused on learning based on credibility, integrity, principle and core values of the civil engineering.

**Construct  
future living  
spaces**

**Learn  
how to  
design, develop  
and improve  
products &  
systems.**

## Mechanical Engineering

The Department of Mechanical Engineering, under MIT-WPU's School of Polytechnic has more than a decade long history of creating the largest number of engineering diploma holders with the latest skills and knowledge required across industry domains.

The program equips our students to face the challenges in core areas such as materials science, fluid mechanics, thermodynamics, instrumentation and control, product and system design and manufacturing.

### Programme Objectives

- To Expose the students to latest technology along with effective implementation of curriculum.
- To promote students participation in extra curricular activities.
- Frequent trainings for staff & students to bring a total change in attitude & overcome the inefficiencies.
- Building high morale to achieve institutional objectives.



## Computer Engineering

Diploma in Computer Engineering is the program that helps you to gain knowledge and skill sets required to innovate smart solutions with intelligent devices for the info-communication services of the future.

“Computer Engineering” is a discipline about the hardware as well as the software aspects of computer science.

### Programme Objectives

- Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting professional ethics.
- Solve broad-based problems individually and as a team member communicating effectively in the world of work

Driving  
the future world  
of Robotics &  
Automation

On  
the Cutting  
Edge of  
Communication

## Electronics & Telecommunication

The Department of Electronics & Communication Engineering (ECE) has consistently maintained an exemplary academic record. The Department not only aims to make our students technically sound and knowledgeable but also to nurture their wisdom and make them a better and responsible human being.

### Programme Objectives

- Provide world-class Diploma in Electronics engineering curriculum comprising of foundation, core, electives, and unique courses related to World Peace along with live projects.
- Prepare and equip students for opportunities in ever-changing engineering domain with hands-on industrial training.
- Transform the students to become globally competent professionals through industrial training/internship.



## Employment Opportunities

- **Private Sector**

Companies which are in the business of either Exploration & production, software companies, IT companies, or service companies which are providing engineering/software/hardware services.

- **Public Sector Undertakings**

Students can find and apply for government jobs and test and interviews in sectors like NTPC, MSEB,

- **Entrepreneurs/Startups/Consultants**

Diploma holders can themselves be entrepreneurs and start their own companies, get engaged and employed with the business assignments of various public/private/ consulting organization or can work as an independent consultant in this sector.

- **Further Studies**

Diploma holders can opt for higher studies such as B.Tech./BE and further they can enroll for masters and doctoral Program on Various topics or areas of their interest work as a research scholar or scientist in R&D division of a leading company or research institute.

## Role of Diploma in industries

- Diploma holders gets job in industries or in government sectors as a junior engineer.
- Diploma holders can secure jobs through exams like MPSC and even opt for further studies in abroad.
- Senior engineers has completed B Tech & most of workers are from ITI.
- Mechanical engineers can find employment within a variety of industries, such as: aerospace, automotive, chemical, construction, defense, electronics, consumer goods, marine, materials and metals, pharmaceuticals, rail, and utilities.
- Civil engineers can find employment within a variety of industries, such as: Architects, Civil Engineering Technicians, Construction Managers, Environmental Engineers, Landscape Architects, Mechanical Engineers, Surveyors, Urban and Regional Planners

## Learning Beyond Classroom:

TECHNICA 2k19 is the state level technical fest of MIT-Polytechnic. TECHNICA 2k19 is sponsored by ISTE and organized by student association of each department of MIT Polytechnic, Pune. Technical competitions arranged by students/college: TECHNOICS (Civil Engineering), TECHATHLON (Mechanical), SPECTRA (Computer), TECHNOPHILIA (E&TC), INFOSPARK (IT)

## Extra-curricular activities

- Annual social gathering, trekking, inspirational movie screening, sports with zonal and inter zonal competitions heritage tour visits to empower students in rural area
- ENROLL TO ISTE STUDENT CHAPTER

## Students' Achievements

**Badminton (Girls) Winners** at inter zonal  
**1<sup>st</sup>** prize at **Drama competition** in BJ Medical college  
MSBTE **1<sup>st</sup>** prize in **project competition**

## Placement Statistics

### School of Polytechnic Placements Last 3 Years





## Eligibility

<b>For Diploma:</b>	SSC / 10th Pass or equivalent as per government norms
<b>For Integrated B Tech:</b>	SSC / 10th Pass or equivalent with 60% for open category and 55% for reserve category
<b>Selection Process:</b>	Merit based
<b>Scholarship Details:</b>	Meritorious students will be granted special scholarship as per university norms.

## Fee Structure

<b>For Diploma:</b>	Program Fee Structure <b>Rs. 95000/-</b>
<b>For Integrated B Tech:</b>	Program Fee Structure <b>Rs. 1,30,000/-</b>
<b>Application Fee:</b>	<b>Rs 1000/-</b>
<b>NRI:</b>	as per university norms

## Hostel and Mess Fee structure

<b>Hostel:</b>	Spacious Rooms (AC/Non-AC), Laundry
<b>Canteens:</b>	Wide range of meal options

Apply Online at [mitwpu.edu.in](http://mitwpu.edu.in)



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