

About Campus

Mulshi Institute of Technology and Research (MITR), Pune

On the frontier of global education...

Mulshi Taluka falls to the west of Pune with one of the biggest mountain ranges in Maharashtra i.e. Sahyadri. Mulshi is to the west of Pune and close to Lonavala as well as Konkan region. Mulshi dam and the surroundings are full of natural beauties that include a dam, hilly region of Sahyadri's deep forests and forts like Dhangad and Koraigadh.

Mulshi Institute of Technology and Research (MITR) is located at 40 km from Pune University. The location is very well connected by road through, State Transport buses. Institute is spread in a vast land. Simple structure while creating big spaces with minimal décor is planned for MITR. Powerful beams of light and strong shadows in the serene ambience of Mulshi will definitely inspired students to achieve excellence through super qualified faculty and state-of-the art facilities.

As name suggests **Ignited Minds Society** came to existence when like minded people came together with a common objective of serving to the society. Imparting quality education in technology is pursued as best way to start as it has direct implication on building the nation.

Our Faculties

Name of the Faculty	Qualification	Specialisation
Mr. Pravin Yadav	M.Sc. (Chem.)	Organic Chemistry
Mr. Yuvraj Gudage	M.Sc. (Phy.)	Solid State Physics
Mr. Ignatius Fernandes	M.Sc. (Maths)	Pure Mathematics
Mr. Manish Kumar Singh	M.Sc. (Maths)	Mathematics
Mr. Pankaj Gholap	M.Sc. (Maths)	Mathematics
Mr. Manish Khandare	B.E.	Civil Engg.
Mr. Rajendra Patil	M.E.	Mechanical Engg.
Mr. Vilas Pharande	M.E.	Mechanical Engg.
Mr. Ashish Raut	M.E.	Prod. Tech. & Mgt.
Ms. Priti Ruikar	M.E.	Electrical Engg.
Mr. Parashar Mone	M.E.	Electrical Engg.
Mr. Moresh Mukhedkar	M.Tech.	E&TC
Mr. Sanjay Mohite	M.E.	E&TC
Ms. Esha Tule	B.E.	E&TC
Mr. Milind Borude	B.E.	Computer Science Engg.
Ms. Charushila kadu	B.E.	Computer Engg.
Mr. Santosh Ankush	MLISc	Library Science

About our Board of Governors...

Professor R.S. Agarwal

Ray W Heric Chair Professor
Mechanical Engineering Department
Indian Institute of Technology Delhi

Dr. Pinakeswar Mahanta

Associate Professor
Department of Mechanical Engineering
Indian Institute of Technology Guwahati

Dr. L.G. Nawale

Principal
Cusrow Wadia College of Engineering, Pune

Dr. Anandi S Pande

Vice President- Corporate Planning & Strategy
HERO HONDA MOTORS LIMITED

Mr. Y.V.Verma

Director, HR & MS,
HR Department
LG Electronics India Pvt. Ltd.

Mr. R.S. Chopra

Managing Director
Piaggio Greaves Vehicles Ltd

Dr. Pramod Kumar

President
International School of Business & Media

Dr. D.K.Biswas

Principal (Ex officio)
MITR

Dr. Pramod Kumar.
President

- Ph.D. (Organizational Behaviour) IIT Bombay
- Formerly with IIM Ahmedabad
- Former Chairman Placement, XLRI Jamshedpur
- Ex-Director, SIBM, Pune
- Consultant to over 75 companies worldwide
- Widely quoted author of research articles

Dr. Saroja Asthana
Secretary

- Ph.D. (Mechanical Engineering) IIT Kharagpur
- wide experience in Teaching and Research at
 - *National Chemical Laboratory, Pune,
 - *University of Baltimore, Maryland, USA
 - *XLRI Jamshedpur
 - *National Metallurgical Laboratory, Jamshedpur
- Author of several highly reputed research papers.
- Consultant to IPCC, UN, SDC, GTZ and several other industries globally
- Contribution to IPCC on their Special Report on Technology Transfer has been recognized by The Prime Minister of India Dr. Manmohan Singh on 26 Nov. 2007 at a special function as IPCC is a joint winner of NOBEL PEACE PRIZE 2007

Dr.D.K.Biswas
Principal

- Ph. D. from **Indian Institute of Technology** (IIT) Kharagpur in 1971.
- 32 years working with R&D departments of CSIR, SAIL and TATA Steel in India.
- Ex. Deputy Director at National Metallurgical Laboratory, Jamshedpur.
- Consultant in several Engineering Colleges in Orisa and West Bengal.
- Several publications in International Refereed Journals.
- Guided students for Ph.D. thesis from **Indian Institute of Technology**, Kharagpur and Ranchi University and several M. E. / M.Tech. Projects.

Our Laboratories

State-of-the-Art Laboratories will enable the students to keep pace with the world.

Basic Mechanical Engineering Laboratory

We know that understanding of complex mechanical concepts can be made easy not only with experimentation but also with simulation based on physical models, Hence, we have procured a series of models to name a few...

Model Of Babcock & Wilcox Boiler
Model Of Lancashire Boiler
Cut Section Model Of 2-Stroke Petrol Engine
Cut Section Model Of 4-Stroke Petrol Engine
Cut Section Model Of 4-Stroke Diesel Engine
Model Of Muff Coupling
Model Of Split Muff Coupling
Model Of Flange Coupling
Model Of Flexible Coupling
Model Of Hook's Coupling
Model Of Oldham Coupling
Model Of Claw Clutch
Model Of Conical Clutch
Model Of Plate Clutch
Model Of Centrifugal Clutch
Model Of Multi Plate Clutch
Model Of Single Shoe Brake
Model Of Double Shoe Brake
Model Of Band Brake
Model Of Band And Block Brake
Model Of Internal Expanding Brake
Model Of Spur Gear
Model Of Bevel Gear
Model Of Spiral Gear
Model Of Helical Gear
Model Of Worm Gear
Model Of Rack And Pinion
Model Of Keys (Set Of 5 Keys)
Model Of Chain Drive
Model Of V Belt Drive
Model Of Rope Belt Drive
Bearing Set-Ball, Roller, Taper, Thrust.

Basic Electrical Engineering Laboratory

Understanding of electrical phenomena is a must for an engineer of any discipline. Therefore, ultramodern electrical engineering laboratory with following instruments is set up...

DC Voltmeter (0-150 -300V),

DC Ammeter (0- 5 -10A),

AC Ammeter (0- 5 -10A),

AC Voltmeter (0-300-600V),

AC Voltmeter (0-150-300V),

Single phase Wattmeter AC (5/10A, 0-150-300-600V)

Single phase Wattmeter AC (1/2A, 0-150-300-600V),

3 phase Auto Transformer-440/0-470V, 15A

1 phase Auto Transformer-230/0-270V, 8A

Earth Tester With Testing Kit

Single Tube Rheostat

digital Multimeter Meco make.

1000V, DC, 200 M Ohm, Analog Meager

Single phase Transformers

Lamp Bank loading arrangements

Transformer Rectifier Unit

Dual DC Regulated Power supply

Mercury Vapour lamp 250V,250W with choke & fitting accessories

Sodium Vapour lamp 250V,125W with choke & fitting accessories

Experimental kit for Superposition Theorem

Experimental kit for wiring accessories & wiring exercise.

Experimental kit for R-L-C with terminal & accessories.

Experimental kit for KCL/KVL

Single phase Energy meter-single phase, 5A, 230V, 50Hz, Energy meter mounted on wooden board with input output terminals.

Basic Electronic Engineering Laboratory

This lab is setup keeping in view of our future requirement as we are offering BE in E&TC,

20 MHz dual trace CRO – Scientech make

1MHz function generator - Scientech make

Zener diode characteristics

Rectifier with & without filter

Single stage amplifier using RC coupled, CE configuration

Experimental kit for wave shaping circuits using diodes

IC 555 timer circuit-Astable circuit

Study of components

Wein bridge oscillator

OP-AMP Trainer kit

RC phase oscillator shift using transistor

Digital IC circuit board for IC gates- AND,OR,NAND,NOR,EX-OR

Characteristics of BJT in CE & CB configuration

Biasing of BJT in CE configuration

Characteristics of BJT in CE & CO configuration

Study of single stage JFET amplifier

Study of 723 regulators IC

Study of multivibrator circuit

Experimental kit for LVDT with transducer & controller

Basic Civil Engineering Laboratory

State-of-the-Art Civil laboratory is equipped with following...

Theodolite with aluminum stand – Elco -Deluxe

Dumpy level with aluminum stand– Elco -Deluxe

Metric chain – 30 mtr.

Staff 4 mtr/4 section – 5mm + 1mm

Prismatic compass with telescopic aluminum stand

Survey compass

Cross staff with range pole

Line ranging glass

Ranging rods – 3 mtr.

Abney level

Colonimeter

Box sextant

Measuring steel tape – 15 mtr.

Measuring metallic tape – 15 mtr.

Planimeter – Digital – Labline - Deluxe

Arrows – set of 10

Tilting level with aluminum stand

Auto level with aluminum stand –DSC 240 - Sohang

Polygon Of Forces Apparatus.
(With Iron Slotted Weights And Pans)

Bar / Compound Pendulum

Moment Of Inertia Of Flywheel (20 Cm Dia.)
(Without Weights)

Parallel Force Apparatus.- (Dial Type Balance)
(With 1 Kg Iron Conical Weights 2 Nos.)

Chain Pulley Block Worm Gear Type – 1 Ton.
(Without Weights)

Curvilinear Motion Apparatus

Space Force Apparatus with Spring Balance (Without Weights)

Slotted Weight Set (Brass Nickel - 4 Weights & 1 Hanger

Applied Chemistry Laboratory

Apart from various chemicals and glassware, Applied Chemistry Laboratory includes the following major instruments...

PH-Meter Digital with inbuilt Magnetic Stirrer & Electronic buffer and unbreakable combined pH electrode withstand complete set– Table model –Toshiniwal make

Hot Air Oven with digital temperature Indicator & controller 250⁰ C, Accuracy 2⁰ C, Shelf made up of GI wire, Inner –S.S. -35x35x35 cm

Distillation Unit ,barnstead type, S.S. cap,

4 Lit/hr., Wall mounted open type model

Muffle Furnace with Digital temp. Indicator

/ Controller 930⁰ C

30x15x15

Burette Stand –heavy base 9x5 , rod -2 foot,

Clamp & bosshead – full set

Digital Photo electric Colorimeter –

Made under technical guidance from ERMA opticals works ltd. Japan –model –AGD-31

Spears for ERMA Photo electric Colorimeter –

- Lamp for AE 11M or AE-115
- Test tube -1/2” dia.
- Photo cell for AE-11M or AE-115
- Filter set for AE-11M ,set of 5

Applied Physics Laboratory

We understand the importance of physics for engineering students hence physics laboratory at MITR is equipped with ...

Newton's rings microscope

Ultrasonic interferometer model F80 single Frequency (Full set)

Variation of Mal's law for plane polarized light with the help of photovoltaic cell.

Spectrometer st-scale Deluxe model 6" circle

Set up for determination of refractive indices μ_o & μ_e of calcite for ordinary & extraordinary ray using spectrometer & sodium light

e/m apparatus bar magnet method (Thomson's)

To study behaviour of light emitting diode with power supply two meter's

Digital multimeter Hand held (3 ½ Digit)

Determination of band gap of semiconductors diode with power supply & meter

Hall effect experiment

Digital Nanometer

Michelson's interferometer

Study of diodes (Zn, Si, LED, Ge)

An experiment based on LASER – complete set up He-Ne laser with optical bench

1 mtr. Power supply & digital current meter ,digital analyzer.

Following expt. Can be performed –

- A) Wave length measurement,
- B) Beam Divergence,
- C) Diffraction,
- D) polarization

Solar cell characteristics with digital meters

Photo cell characteristics set up

Resolving power of telescope

- A) Reading telescope
 - a) General type
 - b) Sup. Type
 - c) Advance type
- B) Adjustable slit

35 Watt sodium vapour lamp + copper choke + teck wood box with 3 set

Table lamp with bum supquely

Polarize and analyze (fitted on metal soal rouna)

Diffraction gratings 15000 lines per inch

Workshop

Unique workshop is planed for MITR students. A specious, well ventilated and well lighted workshop is having following shops...

Carpentry

Fitting

Plumbing

Welding

Black Smithy

Machine

Tin smithy

Machine shop and CNC will be established shortly.

Computer Centre

Since we are offering B.E. in Computer Engineering and Information Technology Computer Centre is an important hub. We have selected latest configuration computers and peripherals....

Intel C2D, 2.2 GHz, 1 GB RAM, 160 Hard Disk, 17" TFT, Mouse, Key Board

HP Laser Jet P2014n (with Network) upto 23/24 ppm (A4/Letter, 264 MHz processor, 32 MB RAM, High Speed USB, 2.0 port, 1200/1200 dpi, effective resolution, Duty Cycles: 10,000 pages per month

HP Laser Jet 1020Plus

LCD Projector Infocus-X6 DLP/ SVGA (800X600) 2200 ANSI Lumens with Screen Instalock 6"x 4"

MSDN Academic Alliance 7.0 Win 32 English Intl. India only CD

Direct Way Broadband VSAT HN7000S IDU
KU Band Outdoor Digital Radio Unit / RG11 cable
1.2m Reflector with mounting stand

250 MB download 512 Kbps Speed (Internet 400)

All computers are connected with 15 KVA UPS.

Library

Library endorses the latest books and periodicals that form the backbone of any good educational institute like MITR. There are more than 1000 books inclusive of reference and text books for each discipline that we offer. About 400 books are procured under humanities and social sciences. We have around 1900 titles to offer a wide variety of books to our students. Journals both, National and Internationals are selected carefully to help our students to understand latest happening in the world of engineering. Soon we are planning to have latest digital library.

Hostels

We provide 100% hostel facility separately for girls and boys at our campus.

We believe in quality of lifestyle and are determined to provide the same to our campus students to make their hostel experience unforgettable. Triple occupancy rooms are provided with high quality furniture and an attached toilet. Several “open to sky” spaces are provided for utilizing natural resources of our beautiful campus to the fullest.

Some of the other amenities at Campus

Doctor at Campus

Dr. Sachin Mahajan, a friendly medical practitioner has been appointed to take care of our campus community.

Sports

Sports facilities indoor and outdoor and kits are already made available.

Bank

Our banker Oriental Bank of Commerce has kindly agreed to open a counter at our campus.

Postal Services

Paud Post Office has agreed to provide clearing services at our campus.

Telephone Booth

Tata Indicom/Reliance booth is installed for convenience of student- parents

Staff Quarters and Guest House

We are fully aware of the importance of GH and Quarters and looking at our beautiful location, it would be absolute pleasure to develop our campus as per our master plan shortly.

Environmentally Friendly Campus

Rainwater harvesting, solar heating etc. are planned.

For Admissions Contact

City Address :

Ignited Minds Society
B-104, Pinnac Gangotri,
D.P.Road, Aundh,
Opposite City International School
Pune – 411 007

Tel: 020-65005453, 65005452.

Telefax: 020-25899966.

Campus Address:

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web: www.mitrpune.org
www.dtr.org.in (EN350)