Peoples Empowerment Group

ISB&M

College of Engineering, Pune

(Formerly Known as ISB&M School of Technology)

Affiliated to
Savitribai Phule Pune University
Approved by AICTE
DTE Government of Maharashtra

Promoted and Managed by IIT-ians

Start with a Dream, Finish with a Future !

12 Lacs
HIGHEST
OFFER

130
MNC & LEADING
INDIAN COMPANIES

ISB&M

20
GLORIOUS
YEARS

Ranked 3rd Best Emerging Engineering Institutes in India

Prospectus
2020

ACCREDITED WITH GRADE
B++
NAAC

DTE Code
EN6622

ISB&M
College of Engineering

ACCREDITED WITH GRADE
B++
NAAC

Vision :

To Empower Efficient and Innovative Technocrats to fit into Global Competency.

Operating Philosophy

To Operate with a Spirit of Responsibility, Integrity, Professionalism and Partnership.

To Think with Speed, Flexibility and an Open Mind.

To use a Comprehensive Understanding of Global Education to Set our Own Standards.

Dr. Pramod Kumar
President

Mission :

Ensuring State of the Art Outcome based Engineering Educational Scenario.

Fostering a Strong Industry Institute Partnership which leads to a lifelong career.

Linking students with Societal Challenges by means of exposure to techno-societal arena.

Imparting Leadership Qualities to aspirants through multidimensional capacity building and soft skills enhancement.

Success is a Journey at ISB&M towards a destination, with several milestones...

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ISB&M Group

ABOUT ISB&M PUNE

Founded in the year 2000 by Dr. Pramod Kumar, ISB&M Nande offers 2 years full time Career- Oriented dual specialization AICTE-PGDM Program.

➡ 2nd Best B-School in Pune.
➡ Ranked 9th in top Private Institute in India- By Times B School 2020.
➡ 8750+ Alumni all across the globe in leadership role.
➡ Average Salary of **8.8 Lacs** & Highest Salary of **21 Lacs** for Current Batch.

ABOUT ISB&M KOLKATA

ISB&M, Kolkata started in 2004 has over 2000 Alumni performing exceedingly well in different parts of country & abroad in senior positions in top ranking business organizations. ISB&M riverside campus situated in historical Budge Budge, offers dual specialization AICTE-PGDM

ABOUT ISB&M BANGALORE

Founded in 2005, ISB&M Bangalore offering 2 years full time dual specialization AICTE-PGDM has been top-ranked by Asia Inc's Top Indian 100 B-School by Asia Inc 500 Survey, 2018. The Institute is equipped with state of the art facilities.

ABOUT ISB&M COC PUNE

ISB&M **College of Commerce** ranked 1st in Western Region (Source : GHRDC BBA College Survey 2019) is a pioneering College affiliated to Pune University offering 3 years full time UG courses in BBA, BBA(CA) & Media.
ISB&M has a proven track record of more than 10 years providing quality education in different streams of Management shaping the career of over 1050 alumni.

Accredited by NAAC

Smart Classes

Experienced Teaching Staff

Conducive Environment

Collaborative Learning

ISB&M **College of Engineering, Pune** (Accredited by NAAC grade of B++) has grown rapidly in last few years. It has strong alumni base spread all over the country as well as in different parts of the world. At ISB&M College of Engineering, we maintain a high standard of education and continuously strive to create a learning environment in order to promote a great career.

ISB&M College of Engineering, Pune a Constituent of People Empowerment Group, offers Bachelor of Engineering (BE) Programme and is approved by AICTE - Delhi, DTE-Maharashtra & Affiliated to Savitribai Phule Pune University.

We promote a culture of Liberty, Openness, Friendship, Energy, Enthusiasm and New Life-style. ISB&M College of Engineering fosters creativity and imagination to stimulate the Professional Superiority and Proficiency.

We believe in the process of reshaping the attitude of students and giving them the opportunity to explore and rediscover themselves. As a holistic approach, students of ISB&M College of Engineering learn to work under very demanding schedules and perform in the most inspiring way.

Pioneers of Extended Library hours & Laboratory access in Pune!!!

Decisive moments and actions shape your education at ISB&M.

Such moments also signify that you are inclined and ready to assume business leadership role within an ever growing, ever-changing world.

We are a community defined by three core qualities.

- **We inspire and share success :** Transformation and passionate performance are all about an inner drive to win. Success comes from creating the new direction in life and instilling values that support your aspiration to succeed. It is no wishful thinking. At ISB&M, we work together to create a leadership profile and career. We shape your capabilities and transform your skills, making you the most in-demand candidate.

- **We think fearlessly :** By blending bold creativity with rational & rigorous analytics, our students and alumni generate great career & business ideas. Our faculty and students provoke new thinking and experimentation with new ideas. We encourage them to shed anxiety of future & paranoid thoughts.

- **We drive total transformation:** We are impatient unless we can measure our efforts against tangible impact.

Dr. Pramod Kumar
President

Ph.D. (Organizational Behavior), IIT Bombay, Formerly with IIM Ahmedabad, Former Chairperson Placement, XLRI, Jamshedpur; Ex-Director, Symbiosis Institute of Business Management, Pune; Consultant to over 80 companies worldwide. Author of over 100 research papers, cases and management games. Research quoted internationally in textbooks and journals. Served on Government of India Committees on Management Education.

From ISB&M to Everywhere ...

Whether seeking a summer internship or permanent employment, our students fan out across Industries. From IT giants to investment banking to consumer electronics or to FMCG, our students and alumni are transforming the world around them with the values and aspiration that liberal ISB&M culture inculcates. Several top rated companies look forward to recruiting ISB&M students as interns and also for final recruitment. ISB&M is a preferred brand also for lateral hiring at later stages of career. In career building, you find ISB&M alumni all across the globe with largest numbers in USA, UK, Singapore, and Dubai. Several of them pursue fancy life-style.

Campus & Culture ...

Our vibrant residential campus is designed to develop skills, attitude of endurance, independence, rational choice that build relationships and friendships that last a lifetime.
Look forward to a career that makes an impact & a life of your choice.

Dr. P. K. De
Executive Director

Ph.D. (IIT Kharagpur), Post-doc scholar in Denmark and Germany, M.E. (Gold Medalist),Former Dean (Academics), XLRI Jamshedpur; Ex-Professor at S.P. Jain Inst. of Management & Research. Awarded the "Best Teacher Award" by Association of Indian Management Schools (AIMS) in 1999. Worked with Tata Motors, Maruti Udyog, ISRO and Braithwaite & Company. He has worked as Visiting Professor at University of Bielefeld, Germany & also as corporate consultant.

Executive Director's Message

A warm welcome to ISB&M. In the era of highly competitive Global market, there should be a synergy between "Today's needs and tomorrow's expectations." The structure and delivery of the curriculum at ISB&M are contemporary and based on our continuous interaction with renowned Educationists and Industry Professionals. The learning methodology encourages students to take greater initiatives with responsibility. The programme has several industry-oriented projects that augment the learning ability with respect to analytical skills, problem- solving and decision making abilities. We try to inculcate the skill sets which the students will require to face the challenges when they will be in real-life Industrial Scenario.

Dr. Pankaj Srivastava
Principal

Ph. D (E&TC), M.Tech (Microwave) Government College of Engineering Pune, Life Member of ISTE. Worked as Head of Department for more than 6 years in Engineering College. Has served as Research Coordinator & IEEE Branch Counselor. He has been instrumental in SPPU's prestigious Project Innovation Competition, "Avishkar", and had many patents to his credit.

Principal's Message

Greetings of the season and welcome to ISB&M College of Engineering, accredited by NAAC with B^{++} grade. The Institute is established to shape world-class Technical Professionals and leaders to create an inclusive and sustainable society in a National and International perspective.

To achieve this, we have Undergraduate Engineering Degree Programs that allow students to fully develop their Professional abilities and skills to face the ever changing Social, Economic and Technical landscape of world.

Indian youth have an unprecedented opportunity before them. For the empowerment of Indian youth, we are aiming to foster an environment where students can teach themselves through trial and error. Project-based learning, personalized and blended learning, and competency-based learning. Dedicated and excellent faculty, state of-the-art infrastructure and laboratories are the areas where we are distinct. Research is an integral part of this Institute which not only endeavors to enrich Academics of our stakeholders, but also provides an environment to explore and discover their true potential. The holistic approach of the Institute had stimulated Innovation among students by inspiring fresh ideas with different perspectives, creative thinking, and strong conviction to achieve true success. To accomplish this, we have a very strong Industry-Institute Partnership with functioning MOU's to cater the diversified needs of Practical Blended Education and Industrial Exposure. Strategically, we find it of utmost importance to promote more and more students for Foreign Education at master's level.

Advisory Council

All activities of the International School of Business & Media are overseen by the Board of Governors, comprising of renowned Academicians, successful Entrepreneurs and corporate Professionals. This gives the Institute a thorough Practical base, in addition to a strong Academic Position.

Mr. Sanjay Jorapur
Chief Human Resource Officer
Hero Moto Corp with Global Human Resources Leadership Experience

Mr. Rajesh Pant
HR- Happily Retired
Mumbai

Mr. Chandan Chattaraj
President- HR (India & Global)
UFLEX Group
New Delhi

Prof. R.S Ganapathy
Former Professor
IIM
Ahmedabad

Dr. C.M. Dwivedi
Member of the Board
Senior HR Advisor, Mentor & Coach
HR Consultancy, Mumbai

Mr. Anil Sharma
Executive Director
Options Group
Mumbai

Mr. R.S Chopra
Managing Director & Chairperson
Piaggio Vehicles Pvt. Ltd.
Pune

Dr. Pramod Kumar
Founder & President
ISB&M Group of Institutes
Pune

Mr. Udai Upendra
Founder & CEO
The HR Company
Gurgaon

Dr. Saroja Asthana
Co - Founder
Mulshi Group of Institutes

Mr. Marcel Parker
Marcel R Parker Associates
Mumbai

Dr. P. K. De
Executive Director
ISB&M Pune

Mr. Rohit Suri
Chief HR & Talent Officer
South Asia
GroupM, Mumbai

Conferences & Seminars held in Academic Year 2019-20:

1. "INTERNATIONAL CONFERENCE ON MACHINE LEARNING AND INFORMATION PROCESSING" in Association with Springer was Organized from 27-28th Of December, 2019.

2. 5th IEEE "INTERNATIONAL CONFERENCE FOR CONVERGENCE IN TECHNOLOGY", 2019 was Conducted from 29th to 30th of March, 2019.

3. One Day Session on "GEOMETRIC, DIMENSIONS AND TOLERANCES (GD&T)" was Conducted from 13th of Feb, 2020. Conducted by Department of Mechanical Engineering.

4. Awareness program on "IEEE MEMBERSHIP OPPORTUNITIES" was Conducted from 24th July 2019, Conducted by Department of Computer Science Engineering.

5. "SKILL KNOWLEDGE ENHANCEMENT PROGRAM (SKEP)" was Conducted from 23rd of Feb, 2019. Conducted by Department of Electronics & Telecommunication Engineering.

6. Seminar on "CAREER GUIDANCE & INTERACTIVE SESSION FOR GATE & ESE" was Conducted from 1st of October, 2019. Conducted by Department of Electronics & Telecommunication Engineering.

7. "One Day session on "JOB OPPORTUNITIES IN DESIGN INDUSTRY" was Conducted from 17th of Feb, 2020. Conducted by Department of Mechanical Engineering.

Workshops held in Academic Year 2019-20:

1. Workshop on "ARDUINO MICROPROCESSOR", Conducted from 25th Of February, 2020. Conducted by Department of Applied Science (First Year) Engineering.

2. Workshop on "HUMANOID ROBOTS" Conducted from 29th Of September, 2019. Conducted by Department of Applied Science (First Year) Engineering.

3. Workshop on "ELECTRONICS CIRCUIT DESIGNING AND IT'S IMPLEMENTATION" Conducted from 15th & 16th Of October, 2019. Conducted by Department of Applied Science (First Year) Engineering.

4. Workshop on "RESEARCH, PAPER WRITING & INNOVATION" was Conducted from 28th Aug 2019. Conducted by Department of Computer Science Engineering.

5. Workshop on "WEB DEVLOPMENT" was Conducted from 10th & 11th of Jan, 2020. Conducted by Department of Computer Science Engineering.

6. Workshop on "LATEX SOFTWARE & TOOLS" was Conducted from 8th of Feb, 2020. Conducted by Department of Computer Science Engineering.

7. Workshop on "PYTHON PROGRAMMING" (3days) was Conducted from 5th to 7th of Feb, 2020. Conducted by Department of Computer Science Engineering.

8. One Day Workshop on "OVERHAULING OF FOUR WHEELERS" was Conducted from 28th of January, 2020. Conducted by Department of Mechanical Engineering.

9. One Day Workshop on "OVERHAULING OF TWO WHEELERS" was Conducted from 28th of January, 2020. Conducted by Department of Mechanical Engineering.

You Could be Like Them ....

SCHONE DIVEKAR
BYJU'S
Batch : 2015 - 19
Bengaluru

PRASHANT PAWAR
Eaton Hydraulics
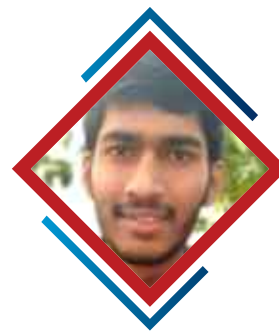Batch : 2015 - 19
Pune

SUPRATIK SAHA
Infosys
Batch : 2015 - 19
Bengaluru

NEERAJ RAUT
TCS
Batch : 2015 - 19
Pune

RISHABH TATIRAJU
Gig-India
Batch : 2014 - 18
Pune

CHIRANJIVI B. KINIKAR
ATOS
Batch : 2014 - 18
Pune

SHUBHAM DHURI
Noren Technologies
Batch : 2014 - 18
Pune

SWAPNIL DASE
Dhoot Transmission
Batch : 2014 - 18
Pune

ANMOL TALREJA
Eleation Simulation
Batch : 2014 - 18
Pune

UTTAM BENDRE
Sandvik Asia
Batch : 2014 - 18
Pune
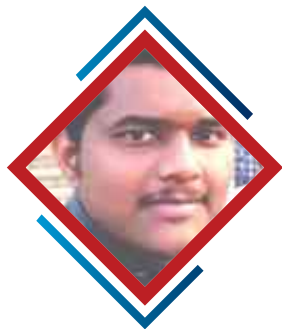
AMAN GUPTA
Wipro Ltd.
Batch : 2013 - 17
Noida

TUSHAR SAVARATKAR
Force Motors
Batch : 2013 - 17
Pune

PRATIK THORAT
Electronica Hi Tech
Batch : 2013 - 17
Pune

RAHUL YAJGAR
NVIDIA
Batch : 2013 - 17
Pune

SAMADHAN KHENGARE
Motherson Sumi Systems
Batch : 2013 - 17
Pune

RAJASHRI KUMBHAR
Voss Automotive
Batch : 2013 - 17
Pune

You Go Global - Compete with Best ...

SHUBHANKAR YARNAL
Analog Devices Inc.
Batch : 2012 - 16
Greater Boston

GOURANG AMRUJKAR
Titan Distributors, Inc
Batch : 2012 - 16
Memphis, US

MOHIT SOBALKAR
Thermo Fisher Scientific
Batch : 2012 - 16
Logan, US

SWAPNIL BELORKAR
ActaFun
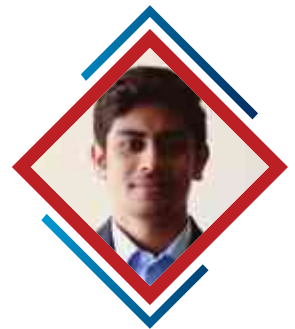Batch : 2012 - 16
Dublin, Ireland

HARSH RANA
Glaciem Cooling
Batch : 2011 - 15
Adelaide, Australia

SOURABH SARDESAI
Mitie UK
Batch : 2011 - 15
London

AMIT CHAUDHARI
Verizon
Batch : 2010 - 14
Irving, Texas

FAISAL MOHAMMAD
Amazon
Batch : 2010 - 14
Seattle, US

AMEYA DEOKAR
Ebara Corporation
Batch : 2010 - 14
Tokyo

MANDAR PATIL
Allianz Automotive
Batch : 2010 - 14
Munich

ANMOL KHANDEKAR
Egen Solutions
Batch : 2010 - 14
Naperville, Illinois

MILAN SHINGOTE
Crovil
Batch : 2010 - 14
Dubin, Ireland

Course Intake

Programs offered by College of Engineering, Pune

B.E [Bachelor of Engineering]

Approved by AICTE F. No. West/1-4351941/2010/New
Recognized by Maharashtra State Government 2010(165/2010) Tanshi-4
Approved by Directorate of Technical Education (DTE) En6622, Mumbai
Affiliated to Savitribai Phule Pune University ID No. PU/PN/Engg. 401 (2010))

It offers a Four Years Full-Time Bachelor of Engineering (B.E.) Degree in the following disciplines:

▶ COMPUTER ENGINEERING   : 90
▶ MECHANICAL ENGINEERING   : 60
▶ ARTIFICIAL INTELLIGENCE & MACHINE
   LEARNING   : 30
▶ ARTIFICIAL INTELLIGENCE &
   DATA SCIENCE : 30
▶ ELECTRONICS & TELECOMMUNICATION
   ENGINEERING : 30

Additional Certificate course along with Degree Programme:

▶ ROBOTICS & INTELLIGENT TECHNOLOGIES
▶ PRODUCT DESIGN
▶ MEDIA TECHNOLOGY WITH GAMING &
   ANIMATION
▶ BIOMEDICAL TECHNOLOGY & DEVICES
▶ BLOCK CHAIN TECHNOLOGY

*Subject to approval from AICTE, New Delhi and DTE, Maharashtra

Additional Certificate Courses along with Degree :

➡ Product Design.
➡ Media Technology with Gaming & Animation.
➡ Biomedical Technology & Devices.
➡ Block Chain Technology.

Why ISB&M College of Engineering Pune ?

Career Focus

➡ Career focus to Encourage Education in Foreign Universities.
➡ Great Placement Record - High Quality Jobs in India & Abroad.
➡ Developing English Proficiency & Conversation.
➡ Personal Development & Personality Transformation.

Learning Focus

➡ High Quality Class-Rooms & Faculty driven learning.
➡ Focus on Innovation & Projects.
➡ Supported by Fully Equipped Labs & Workshop.

Infrastructure Focus

➡ Fully Residential Campus for Boys & Girls.
➡ Fully Equipped Lab.

➡ Fully Wi-Fi Campus.
➡ 24 Hrs. Library Access.

Objectives of the Program

➡ To transform the talent and personality of the students.
➡ To develop a positive attitude.
➡ To build personal skills (e.g. self-confidence, assertiveness, tenacity, creativity),
   understanding ones capabilities and using them.
➡ To promote basic human and social values of human equality and fellow citizenship.

Bachelor of Engineering in
Applied Science

The globalization and modernization in the world demands 'interdisciplinary approach' and therefore it is important that one possess minimum basic knowledge of several disciplines. Department of first year engineering is taking more focused and multidimensional efforts to make the 'foundation' of the students as strong as possible. The department has well equipped laboratories for F.E. students. A student of any discipline of engineering needs a good understanding of mathematics and basic sciences and that is taken care by our Applied Science faculty members.

Engineering Science Labs

⊕ Basic Civil and Environment Engineering Lab
⊕ Basic Electronics Engineering Lab
⊕ Basic Mechanical Engineering Lab
⊕ Basic Electrical Engineering Lab

⊕ Engineering Chemistry Lab
⊕ Engineering Mechanics Lab
⊕ Engineering Physics Lab

Bachelor of Engineering in
Computer Engineering

Computer technology has become an integral part of our daily life. It is the most important element in the education of students of the present and the future era. Computer Technology has revolutionized society to a great extent. Technological advancements are so rapid in this field that continual learning is essential to keep the skill set of students up to date. Expertise in computing is a skill essential not only for the Computer Engineering students, but also for the students of other branches of Engineering. Our students become competent computer engineers imbibed with the spirit of professionalism and responsible citizenship.

The curriculum puts an emphasis on Information Management, Information Storage, Information Communication and Presentation. The teaching and learning process emphasizes equally on theoretical and practical aspects catering to the needs of industries.

ISB&M SOT has a good combination of qualified teaching and non-teaching staff to excel in teaching learning process with latest computer hardware and networking facilities. Further, a dedicated 32 Mbps IP leased line with backup of another 512 kbps leased line is available. Subscription of the Microsoft Academic Alliance provides the Windows OS platform and software. Adequate peripherals are provided along with a back-up UPS and DG set to provide uninterrupted computing capability.

Computer Engineering & Information Technology Labs

⊕ Data Structure Lab
⊕ Information System Design Lab
⊕ Microprocessor Lab
⊕ Object Oriented Programming & Computer Graphics Lab

⊕ Project Lab
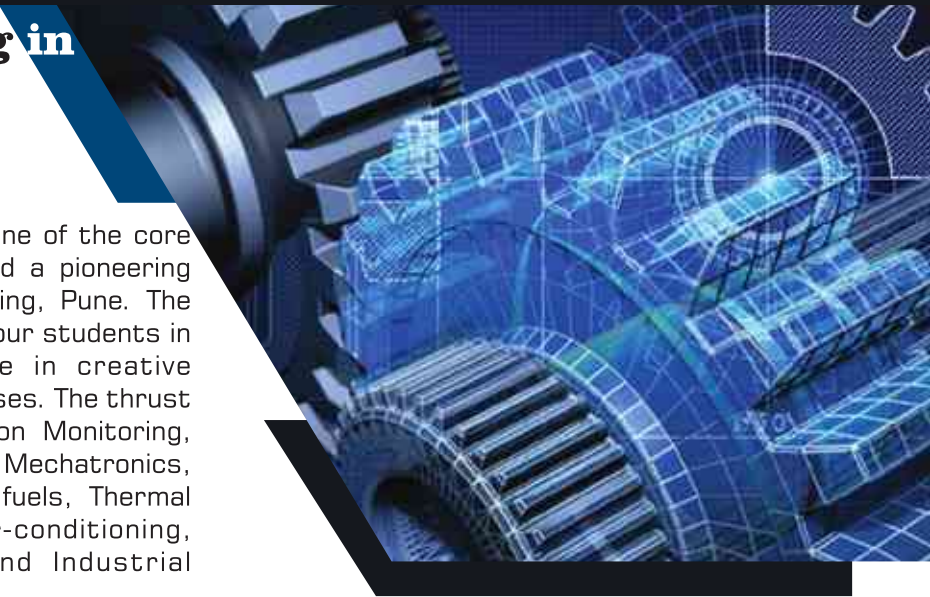⊕ Software Lab
⊕ Software Development Lab

Bachelor of Engineering in
Electronics & Telecommunication

The department of Electronics and Telecommunications at ISB&M School of Technology offers state-of-the art infrastructure and resources in terms of knowledgeable faculty, well equipped laboratories and a library with a variety of reference books, technical journals. Department has faculty working in the cutting edge technology areas including Signal Processing and Mobile Communications, VLSI, Embedded Systems, Power Electronics, Electronic Devices, that are vital for living in today's modern society. Students are encouraged to work on extra projects to gain better understand and develop interest in the subject. The faculty research and student curriculum is well supported through various labs.

E&TC Labs

- Audio-Video Engineering Lab
- Analog Electronics lab
- Telecommunication Switching System lab
- Communication Lab
- Data Structure and Algorithm lab

- Digital Signal Processing Lab
- Digital Electronics Lab
- Electrical Technology Lab
- Hardware Lab
- Microprocessor Lab

- Network & Power Lab
- Communication Lab
- Simulation lab
- Optical Fiber
- Project Lab
- VLSI Lab

Bachelor of Engineering in
Mechnical Engineering

Department of Mechanical Engineering is one of the core and evergreen branches in Engineering and a pioneering department in ISB&M College of Engineering, Pune. The program offered by the department assist our students in developing competence, and confidence in creative application of design, manufacturing processes. The thrust areas of research CAD/CAM/CAE, Condition Monitoring, Renewable energy, Composite technology, Mechatronics, Computational Fluid Dynamics, Alternate fuels, Thermal Energy Storage, Refrigeration and Air-conditioning, Industrial Tribology, Metal Joining, and Industrial Ergonomics.

As assorted variety of static and sorting models are available for students to grasp the basics of various concepts in Thermodynamics and Kinematics, Elements of Machine Design and the construction of equipment used in Heat Engineering.

Department of Mechnical Engineering takes pride in flaunting the plethora of opportunites extended to its students through the Students Chapter of The American Society of Heating, Refrigerating and Air Conditioning Engineers **(ASHRAE)** which counts on helping the students in delivering the excellence through mingling with Industrial Stalwarts.

There are 12 Labs in Mechanical Department, 2 CAD CAM labs and 1 workshop. Total 15 labs available for Mechanical research work.

Mechanical Engineering Department Labs

- Applied Thermodynamics Lab
- CAD/CAM Automation Lab
- CAD/CAM Lab
- CNC Training lab
- Dynamics of Machines Lab

- Fluid Mechanics & Turbo Machinery Lab
- Heat Transfer Lab
- IC-Engines Lab
- Industrial Fluid Power Lab
- Metallurgy Lab

- Metrology & Quality Control Lab
- Mechatronics Lab
- Refrigeration & Air Conditioning Lab
- Robotics Lab
- Strength of Materials Lab
- Theory of Machines

Bachelor of Engineering in
ARTIFICIAL INTELLIGENCE & DATA SCIENCE ENGINEERING

Artificial Intelligence and Data Science is a program offered at Department of Computer Science and Engineering. Building human-level thought processes through the creation of artificial intelligence (AI) is the state-of-the-art in Computer Science. Intelligent machines are influenced by emerging technologies, smart devices, sensors, computing power, faster data processing, huge storage and human-machine interaction capabilities. Data Science is an interdisciplinary field with the ability to extract knowledge/insights from data - be it structured, unstructured, or semi-structured data. Twinned with Artificial Intelligence, more efficient solutions to find meaningful information from huge pools of data are possible today, with data from multiple sources - sensors, images, streaming video, satellite, medical imagery and the cloud.

This graduate program has a comprehensive coverage of applied mathematics used in data science and artificial intelligence while preparing the students to analyze, design and experiment solutions to problems. The curriculum targets technical and design skills, AI knowledge, and competencies needed to master strategic analytical methods and tools, and data management, with the objective of creating innovative strategies to solve challenging real-world problems.

Bachelor of Engineering in
ARTIFICIAL INTELLIGENCE & MACHINE LEARNING ENGINEERING

This course is for professionals who have heard the buzz around machine learning and want to apply machine learning to data analysis and automation. Whether finance, medicine, engineering, business or other domains, this course will introduce you to problem definition and data preparation in a machine learning project.

By the end of the course, you will be able to clearly define a machine learning problem using two approaches. You will learn to survey available data resources and identify potential ML applications. You will learn to take a business need and turn it into a machine learning application. You will prepare data for effective machine learning applications.

The laboratory activities aim towards

⊕ Identify innovative research directions in Artificial Intelligence, Machine Learning and Big Data analytics.
⊕ Integrating and reasoning with information from disparate data sources.
⊕ Designing and implementing distributed systems for information exploitation, collaboration and decision making.
⊕ Data-intensive agent-based tools Providing quality education and practical skills to the students and faculty.
⊕ Assist in the development of partnerships with Industry regarding Internships, Summer Jobs, Publications and students' Placements.
⊕ Establish, refine and implement strategies to take the idea in to students and faculty fraternity.
⊕ Create sustainable funding models for societal and ACE related efforts.
⊕ Encouraging students to publish research articles, patents and starting their start-ups In the campus.

Core Faculty

ISB&M College of Engineering is affiliated to University of Pune (S.P.P.U.) and follows the syllabus prescribed by the University. Apart from the syllabus, ISB&M College of Engineering also emphasizes on covering the technologies that are in recent trends by conducting workshops/ guest lectures / FDPs / conferences & seminars. For detailed syllabus, one can visit our website **https://www.isbmsot.org**

Electronics & Telecommunication Engineering

Dr. P. K. Srivastava

Principal & Professor
Ph.D. (E&TC), Govt. College, S.G.G.S. Nanded.
M.Tech.(Microwave) Government College of Engineering, Pune (COEP).

Over 22 years of Teaching & Research experience. Life Time Member of ISTE, Head of Department in different Engineering. Colleges, Executive Member and IEEE Branch Counsellor, Research Coordinator at PVPIT, Bavdhan Pune & approved Ph.D. Guide in Pune University, Member of Research Committee at "Savitribai Phule Pune University" i.e. Avishkar constituted by Vice Chancellor, Author of several research papers in National & International Conferences/ Journals, Authored Book for Technical
Competitive Examinations
➡ Successfully filed patents
- "In Indian Woman Intelligent Safety Device Using Machine Learning".
- "Aeroplane ,Aircraft Accidents Predictive Analytics Using Machine Learning, Deep Learning And Other Programming".
- "Material Identification of Multiple Objects with a 24GHz Band Radar Module".

Dr. C. K. Jha

HOD, Electronics& Telecommunication Engineering.
Ph.D. (Electronics & Telecommunication), SHIATS State University.
ME(VLSI) VMU, Salem, Chennai.

12 Years of teaching & research experience. Vice Chair, ICEM & Webmaster IEEE India Council, Member Humanitarian Activity Committee -IEEE Region 10 (Asia Pacific)VICE CHAIR ,IEEE PLC(Power Line Communication) IEEE STANDARED ,India Council Coordinator of IEEE Smart Village in Maharashtra, CHAIR OF IEEE-SPECIAL GROUP OF HUMANITARIAN TECHNOLOGY, Bombay Section, IEEE SIGHT Subcommittee member of IEEE USA, Executive Member of IEEE Bombay Section, Outreach Chair of IEEE IBSS, Bombay, India.

Prof. Saket Kumar

Ph.D.*, Electronics & Communication,V.T.U. Belagavi, Karnataka M.Tech. (Digital Communication) RGPV Bhopal.

10.4Years of teaching & research experience. Author of various research papers in national and international journal & conference(Springer & IEEE).Got best Faculty Award in SRIJAN by Rajiv Gandhi Technical University & Govt. Of MadhyaPradesh.IEEE AssociateMember. Area of interest:Wireless Communication, Signal Processing.

Prof. Anil Kr. Jakkani

M.Tech(Communication Systems)
National Institute of Technology, Surat

9.8 Years of teaching experience. M.Tech from National Institute of Technology, Surat. Published Technical Research Papers in several National and International Conferences and Journals.
Area of interest: Communication system, Digital Electronics.

Prof. Sitaram Longani

Ph.D.*Maharshi University Lucknow, U.P.
M.Tech.(Communication Networks) Sinhgad College of Engineering, Pune

Over 7 years of teaching experience. He is University 3rd ranker in ME.IEEE Associate Member.Best Research Paper awarded in National Conference. Area of interest: Microcontroller, Microprocessor.

Prof. Archana Holkar

M.Tech.(Communication Networks) Sinhgad College of Engineering, Pune

Over 3.5 years of experience. Published various research papers in national and international papers. Active Member of IEEE Area of interest: Network system,Control System.

Prof. Suman Kumar
M. Tech. (Electronics & Instrumentation)
National Institute of Technology, Silchar

Having Teaching experience of 1.3 years. He has continuously qualified GATE exams from 2016 onwards. Area of Interest: Instrumentation.

Mechanical Engineering

Prof. Vaibhav Edake
ME, (Design Engineering), Ph. D. Pursuing

2 year of Industrial Experience and 6 years of teaching Experience, 10 Journal paper published, Expertise in Design and Analysis of Component.

Dr. Abhijit Sarkar
Ph.D. Manufacturing Technology, NIT, M. Tech (Design & Production engineering)

3 years Experience in academic and research, 12 Journal paper published Sci and Scopus Index, expertise in advanced manufacturing and welding technology.

Prof. Aniruddh Bulbule
Ph.D.*, M.E., B.E. (Mechanical Engineering), Pune University.

Extensive Experience of 18 years of Teaching at UG & PG Level along with one year's Industrial Experience in the Field of SPM. Areas of Specialization: IC Engines, Heat Transfer, Refrigeration & Air Conditioning.

Prof. C. Khemkar
ME, (Design Engineering), BE (Mechanical Engineering)

3 years Industrial experience in Design and Development, 7years of Teaching Experience. 8 Journal Paper published. Expertise in Design of Machine and Mechanism.

Prof. Prakash Gaikwad
ME, (Design Engineering), BE (Mechanical Engineering)

Worked in Walchandnagar Ind. Ltd, Worked on Nuclear Power Plant Project as Production Engineer (Nuclear Reactor KAPP-3, KAPP-4 and RAPP-8 customer NPCIL), ZF Steering gear , Has over 3 years of industrial and 8 years of academic experience. Areas of specialization: Mechanical Design, Mechanical Vibrations.

Prof. Dheeraj Kumar
ME, (Heat Power), B. Tech. (Mechanical Engineering)

2 Years of Industrial Experience and 8 years of teaching experience, 3 Journal Paper Published, Expertise in Industrial Air Conditioning system design.

Prof. Gunwant Ghatole
M. Tech , (Heat Power Engineering), B.E. (Mechanical Engineering)

6 Year Experience in teaching, and 1 year industrial experience, 3 Journal Paper published expertise in Fluid and Turbo Machinery

Prof. Firoj Tanekhan
M.E. (Heat Power Engineering), B.E. (Mechanical Engineering)

5 Year of teaching experience ,4 Journal paper published. Expertise in Heat transfer enhancement, Boiling.

Prof. Nikhil Talwekar
ME, (Heat Power), BE. (Mechanical Engineering)

5 Years of experience in Academic, Published 5 Journal Paper, Expertise on Refrigeration and Air Conditioning.

Prof. Hrishikesh Gadekar
ME, (Design Engineering), BE (Mechanical Engineering)

4Years of Experience in academics and 3.5 years of experience in Industry, 3Journal Paper Published, Expertise in Design ,modeling and analysis.

Prof. Krishna Yadav
M. Tech, MANIT, Bhopal
B. Tech, UCER, Allahabad

9 years of experience academic & industry. Worked with United Drilling company Delhi NCR as Design engineer. Worked as Assistant Professor with KCNIT Banda , NIET Noida, Shri SVU University, Amroha published research papers in National & International journal and conference of repute and indexed with Scopus.

Prof. Nishant Sukalkar
ME (Design Engineering)

2 years of experience in academic and 2 years of experience in industries as a technical advisor and consultant.

Computer Engineering

Dr. Pallavi Jha
Ph. D(Computer Engineering), Kalinga University
M. E (Computer Engineering), VMU B. E (I.T), Pune University

Completed Ph. D in Computer Engineering with a teaching experience of above 12 Years. She has published 18 Research Papers in various International Conferences / Peer Reviewed Journals . She has supervised 15 PG students and 26 UG students. Her Research expertise is in Internet of Things and area of specialization is Data Mining, Artificial Intelligence and Wireless Communication.

Prof. Ajay Pal Singh
M. Tech (Computer Science & Engineering) KNIT Sultanpur (Govt autonomous institute), B.E. (Information Technology) IET Agra (Govt institute)

Worked in various Engineering Colleges (Government as well as Private) under UPTU, SPPU, HBTU etc. as a full-time faculty. He has around 12 Years of Teaching experience. He has supervised 10 PG and more than 25 UG students, Published 12 Research Papers in Reputed International Journals and Conferences.
Area of specialization: Computer Networking, Automation, OOPs and Web Technologies.

Prof. Sagar Latake
M.E. (Computer Network) Pune University , Pune.
B.E. (Computer Engineering And Science.) Solapur University, Solapur.

Working as Asst. Professor and having Academic Experience of around 5.5 years and Industrial Experience of 3.5 Years. He has worked as Project Manager at Speed Techserve Pvt. Ltd.
Area of specialization: Computer Network, Machine Learning, Wireless Sensor Network, Data Mining.

Prof. Sonali Khairnar
M.E. (Computer Engineering), SPPU Pune, B.E. (Computer Engineering), NMU Jalgaon.

Has over 9 years of Teaching Experience. She has published many papers in Conferences and Scopus Indexed Journals and has filed One Patent to her credit.
Areas of specialization: Data Mining, Network security, Applied Algorithm, Data Structures.

Prof. Kirti Shriram Randhe
M. E. (Computer Engineering), SPPU Pune, B.E (Computer Engineering), HVPM Amravati.

Total academic experience of 6 years. She has published many papers in Conferences and Scopus Indexed Journals and filed 1 Patent.
Areas of specialization : Database and Network Security, Data Mining, Information Security.

Prof. Harish Patil
(PHD) , M. Tech (Computer Networking), VTU ,Belgaum, B.E. (Computer Science Engineering)

Has over 5 years of Teaching Experience. Worked in various engineering colleges under Pune and Mumbai University as a full time faculty member. His area of interests includes Data Mining, AI, Data Science. He has published many Papers in Conferences and Scopus indexed Journals and filed 4 Patents.

Prof. Aparna Patil
M.E. (Computer Engineering), SPPU Pune, B.E. (Computer Engineering), NMU Jalgaon.

Pursuing Ph. D in Computer Engineering with a teaching experience of 4 years. She has published 5 research Papers in various International Conferences / peer reviewed Journals. Her Research expertise is in Internet of Things.
Area of specialization: Data Mining, Artificial Intelligence and wireless communication.

Prof. Vivek Srivastav

HOD (Department of Applied Sciences)
Ph. D. (Pursuing)
M. Tech. (VLSI Technology),
U. P. Technical University, Lucknow

Over two decades of experience in academics. Author of numerous books and various National and International Research Papers. Presented Technical Papers in International forums. Organizer of International Conference in Association with Springer on Machine Learning & Information Processing 2019. Guided many UG & PG level Projects.

Dr. M. P. Yadav

Ph. D. (Physics), Central University, Allahabad
M. Sc. Physics (Digital and Communication Electronics)

Over 24 years of experience in academics.
Author of many articles in Magazines, more than 18 National and International Research Papers. Guide of Ph. D. students in fields of Electronics and Physics. Published 3 books in Physics and more than 4 books for Self Learning materials. Anchored and Conducted a Technical Show on All India Radio.

Dr. Renuka Saraogi

Ph. D. (Cosmology), SGB University, Amravati
M. Sc. (Mathematics), SGB University, Amravati

8 years of overall experience in academics with 1 year of post Ph. D. experience. Presented and Published Research Papers in various National and International Conferences. Published papers in different International Peer Reviewed Journals.

Dr. Sonali Bhosale

Ph. D. (Chemistry), NCL, Pune
M. Sc. (Organic Chemistry), SRTM University, Nanded

Doctoral research experience from National Chemical Laboratory, Pune with 6 patents and 3 publications. Research interest in the area of Synthesis of Polymer for the Detection of Chemical Warfare Agents by using SAW sensors. 6 years of Research experience and 3 years of Teaching experience. Participated in various National and International Conferences.

Prof. Vishal Bhoi

M. Tech. (Power Systems Electrical), COEP, Pune

Over 11 years of experience in academics. Presented and Published Research Paper in International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering. Life Member of ISRD and IAENG.

Prof. Bhushan Birari

M. Sc. (Mathematics),
T. C. College, Baramati

Over 5 years of experience in academics.
Mentored and guided students for various Entrance Examinations. Presented Papers in various National and International Conferences..

Collaborative Learning

➡ Collaborative Learning, sometimes called small-group learning, is an instructional strategy in which small groups of students work together on a common task. In some cases, each group member is individually accountable for part of the task; in other cases, group members work together without formal role assignments.

➡ Collaborative learning changes students' and teachers' roles in classrooms. The ownership of teaching and learning is shared by groups of students, and is no longer the sole responsibility of the teacher. The authority of setting goals, assessing learning, and facilitating learning is shared by all. Students have more opportunities to actively participate in their learning, question and challenge each other, share and discuss their ideas, and internalize their learning. Along with improving academic learning, Collaborative learning helps students engage in thoughtful discourse and examine different perspectives, and it has been proven to increase students' self-esteem, motivation and empathy.

➡ Some challenges of using Collaborative learning include releasing the control of learning, managing noise levels, resolving conflicts, and assessing student learning. Carefully structured activities can help students learn the skills to work together successfully, and structured discussion and reflection on group process can help avoid some problems.

Entrepreneur Development Cell

Objectives of EDC

- To act as an institutional mechanism for providing various services including information to building student entrepreneurs
- To foster better linkages between the Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations
- To catalyze and promote Development of Enterprises and promote employment opportunities
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and Micro Enterprises

Functions of EDC

- To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Program and Faculty Development Program
- To conduct research work and survey for identifying entrepreneurial opportunities
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies
- To organize guest lectures, TV & Radio talks, Seminars, etc. for promotion and growth of entrepreneurship
- To arrange visits to industries for prospective entrepreneurs
- To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects
- To act as a Regional Information Centre on business opportunities, processes, technologies,
- To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property rights, Patents search, etc
- To conduct skill development training program leading to self/wage employment

Some of our Entrepreneurs

Siddharth Paralikar
Mech (2013-14)
Founder of
Siddharth Solar Tech.

Rahul Jayaswal
Mech (2014-15)
Founder of
Stackmint Pvt. Ltd.

Anuj Bidkar
Comp (2017-18)
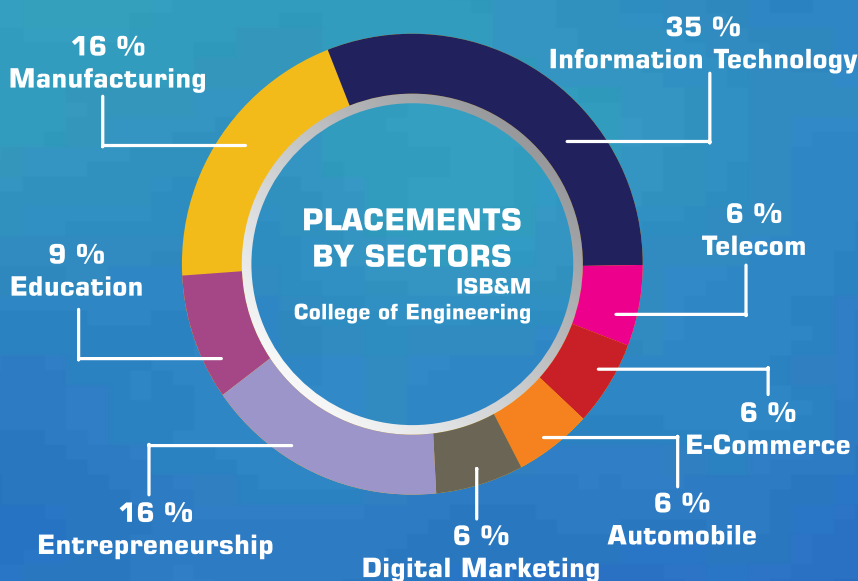Founder of
Dotapk Developers

Our Recruiters

Placement & Assistance Cell

The Placement Assistance Cell (PAC) is a small group of teachers and students working together to enable the deserving students of the institution to get competitive placements. Along with providing placements, the cell also provides training to the students to improve their aptitude, soft skills and technical skills and enabling them to become trainable and employable candidates for campus recruitment program. The students are trained in soft skills by the best teachers of ISB&M B-School, helping them to learn the ethics and etiquettes of the corporate world along with their technical skills. The Placement Assistance Cell of ISB&M School of Technology breaks the conventional methodology of the placement cells of other engineering colleges by involving the students in the placement program equally with teachers, thus giving the students an exposure to the corporate world.

The vision of PAC is to provide good work environment for the young minds of our institution. The mission of this cell is to make all possible effort to place all the students. The PAC is taking this opportunity to invite companies/organizations for the recruitment of students this year. We are confident that our institution candidates will meet the requirements of corporate world in every field of knowledge.

where future grows

The best way to predict the future is to create it.

PLACEMENTS BY SECTORS
ISB&M College of Engineering

- 35 % Information Technology
- 6 % Telecom
- 6 % E-Commerce
- 6 % Automobile
- 6 % Digital Marketing
- 16 % Entrepreneurship
- 9 % Education
- 16 % Manufacturing

Our Recruiters

Different Committees & Cells for Complete Transformation of Students.

A. Internal Quality Assurance Cell (IQAC)

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Functions of IQAC

a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;

b) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;

c) Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;

d) Dissemination of information on various quality parameters of higher education;

e) Documentation of the various programs/activities leading to quality improvement;

f) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;

g) Development and maintenance of institutional database for enhancing the institutional quality;

h) Development of Quality Culture in the institution;

B. Placement Assistance Cell

- Placement Cell provides guidance to the students for selecting right career.
- To give knowledge, improve skill with aptitude test.
- Gathering information about job fairs and all relevant recruitment advertisements.
- Organizing pre-placement training/workshops/seminars for students.
- Collecting feedback from employers where our students are selected.
- To act as a bridge between students, alumni and the employment community.

C. Research and Development Cell

- To evolve policy framework to regulate the interdisciplinary and multidisciplinary Research undertaken in the University.
- To promote and implement Research & Development Program.
- To encourage core competence & consultancy in Research.
- To provide infrastructural facilities to encourage Institute & Industry Interaction for pioneering relation on interaction for in depth Research.

Classrooms

State of the art classroom facilities and an adequate number of tutorial rooms available. Both whiteboards and projectors are available.

Library

The institute has a modern library where students and faculty have access to textbooks, CD's, National & International journals, periodicals, newspapers and e-journals. A supplementary digital library facility is also available on the internet. We also provide access to information products online and a wide range of professional standards. Apart from 7000 text books and reference books along with Journals, which are backbone of our library.

Auditorium

We have a well-equipped multi-facility auditorium. A host of events ranging from conferences, workshops and seminars to cultural functions and indoor sporting events are held here.

Innovation Centre

College has recently started a full fledge innovation center where faculties & students can employ the research skill like embedded, IoT, Mechatronics to address socio-technological issues.

Digital Library

The state-of-the-art digital library is equipped with JGET, IEEE, ASTMR packages offering over 9500 national and international journals.

Seminar Hall

A big seminar hall is available for hosting conference sessions, presentations and guest lectures. It is also a venue for career development programs and various institute activities.

Hostel

The college hostel is located in the college campus, and has a capacity of 500 students. It has well furnished rooms, each with a table, a chair, a cupboard, a fan, 24 hours security, generator backup, purified drinking water, and hot water facility through solar heating. The hostel has a safe, peaceful and disciplined environment. For students' convenience, we have also included a reading hall, for students who would like to study extra hours. Our campus also includes indoor and outdoor sports facilities to help students maintain a healthy lifestyle.

Language Lab

The college has well developed Language lab for enhancing student's vocabulary soft skills.

Life @ ISB&M COE

ORION

Orion is the Cultural Festival of ISB&M College of Engineering that aims at becoming a seamless medium for students of colleges, to connect and bond over like-minded interests and events. We aim to trigger the best in an individual, through innovative competitions and lively events.

KURUKSHETRA

Kurukshetra is sports fest of ISB&M College of Engineering, spread over two days, it provides a platform to the students to showcase and compete through various sports competitions.

CRESCENDO

CRESCENDO, the annual cultural extravaganza of ISB&M is one of the most awaited inter-college fests. This three-day national level spree of events was held from 20th February 2020 to 22nd February 2020. CRESCENDO is the perfect platform for young budding artists to showcase their talent. The event is attended by throngs of students from prominent colleges and B-schools across the nation. The theme for CRESCENDO 19' was Jeene ka Naya Tarika where participants performed in events like Paint-ball, Aqua-dance, Fashion show, Roadies, Junkyard Wars, Jam, Singing, Rock show, LAN gaming, Mime act and many more with enthusiasm and vigor.

FORZA

ISB&M celebrates its anniversary every year with Force, Zest and Attitude which symbolizes FORZA . The event is held on the 23rd & 24th of July by the students, faculty and alumni across all the three campuses of the Institute. The theme for Forza 2019 was Enliven your Dreams. The intense competition prevailing in all the events brings out the best in the students and shows the never say die attitude which is the dictum of the institute.

Additional
ACADEMIC FACILITIES

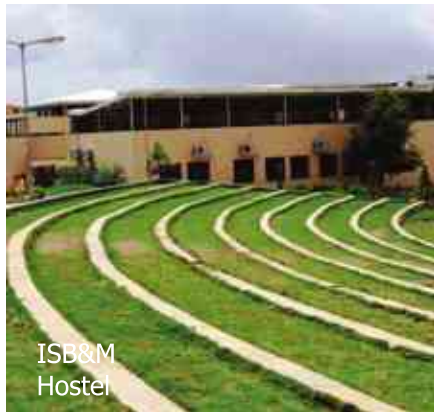ISB&M College of Engineering

ISB&M Classroom

ISB&M Library

ISB&M Auditorium

ISB&M Hostel

ISB&M Play Ground

ISB&M Swimming Pool

ISB&M Canteen

ISB&M Transport

Canteen & Cafeteria :
- A variety of hygienic and nutritious food items are available in the ISB&M canteen.
- The canteen provides onsite dining, food and beverage vending, a relaxed ambience and follows highest standards for food quality.
- We provide various cuisines ranging from Indian, Chinese, South Indian, sandwiches and many options for drinks like fresh fruit juices, cold drinks, coffee and tea that are sure to take care of all our students' requirements and preferences.

Bank :
- Axis and HDFC Bank ATM center is available at walking distance.

Medical Emergency :
- Health of our students is our top priority, and medical attention cannot be ignored. In case of emergencies, we have a doctor on campus at all hours who can address such unfortunate situations immediately. We also have facilities to rush our students to hospitals for immediate care.

Eligibility criteria for Maharashtra State Candidate and Outside Maharashtra State Candidate:

First Year Admission

- Candidate should be Indian National and should have passed HSC (Std. XII) exams of Maharashtra State Board of Secondary and Higher Secondary Examination or its equivalent examination with subjects English, Physics, Mathematics, Chemistry / Biotechnology / Biology / Technical educational subjects.

&

- Candidate Should have secured minimum 50% marks(minimum 45% marks in case of Backward Class categories and persons with disability candidates belonging to Maharashtra state only) in the subjects Physics, Mathematics and Chemistry / Biotechnology / Biology / Technical Vocational subject added together.

&

- Candidate should have obtained a valid score in MH-CET 2020 or JEE MAINS (paper-1) 2020.

Direct Second Year Admission

- Diploma in Engineering from recognized board / university with minimum 50% marks.
- B. Sc. with Mathematics as one of the subjects with first class.

Admission Process Details

Stage 1: Online Registration (Most Important Step)
Stage 2: Confirmation of form at Facility Centers in person (FC'S)
Stage 3: Display of Provisional Merit List
Stage 4: Online option forms for CAP Rounds
Stage 5: Allotment and confirmation of seats by paying a DD at Admission Receipt Centre
Stage 6: Counselling Round

Please visit for further details :
http://www.dtemaharashtra.gov.in/

RAGGING

Ragging in any form is prohibited in college. Ragging is illegal and a criminal offence under law. For a reported case of ragging, it is mandatory to initiate disciplinary process and also report the same to police.

Learning to be a Professional Engineer Degree you get anyway

1. Entrepreneurship Development Cell
2. Overseas Education Cell
3. Cultural Quest Club
4. Competitive Examinations Cell
5. Active Research Cell
6. Movie Maniacs Club
7. DIGI EYE (Photography Club)

Peoples Empowerment Group

ISB&M College of Engineering
Survey No. 44 /1, 44 1/2, Nande,
Pashan - Sus Road, Pune 412115

Tel: 020 48522658 / 657
Mobile: 7410769206 / 9545520801 / 7720032237

Email: admissionssot@isbm.ac.in
Website: www.isbm.ac.in