



# AISSMS

POLYTECHNIC

CENTER OF ACADEMIC EXCELLENCE  
Approval by AICTE New Delhi, Recognized by the  
Govt. of Maharashtra and Affiliated to MSBTE, Mumbai  
NBA Accredited Programmes



## Information B r o c h u r e

# NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4<sup>th</sup> Floor, Bhisham Pitamah Marg,  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4903  
Website: www.nbaiind.org



File No. 28-01-2010-NBA

Date: 04-02-2020

To,

The Principal,  
All India Shri Shivaji Memorial Society Polytechnic,  
Kennedy Road, Near R.T.O,  
Pune, Maharashtra- 411001

**Subject: Accreditation status of programs applied by All India Shri Shivaji Memorial Society Polytechnic, Kennedy Road, Near R.T.O, Pune, Maharashtra- 411001.**

Sir,

This has reference to your application Id No. 3376-29/12/2018 seeking accreditation by National Board of Accreditation to Diploma Engineering programs offered by All India Shri Shivaji Memorial Society Polytechnic, Kennedy Road, Near R.T.O, Pune, Maharashtra- 411001.

2. An Expert Team conducted on-site evaluation of the programs from 17<sup>th</sup> to 19<sup>th</sup> January, 2020. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No.	Name of the Program(s) (Diploma)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Computer Engineering	January, 2019 Document	Accredited	Academic Years 2020-2021 to 2022-2023 i.e. upto 30-06-2023	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier
2.	Mechanical Engineering		Accredited		
3.	Civil Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for three years. **All India Shri Shivaji Memorial Society Polytechnic, Kennedy Road, Near R.T.O, Pune, Maharashtra- 411001** should submit the Compliance Report at least six months before the expiry of validity of accreditation mentioned above to be eligible for consideration by the concerned Committee in NBA for further processing of the accreditation status. This could entail further extension of accreditation or a visit, as deemed appropriate by NBA Committees.

Contd./...



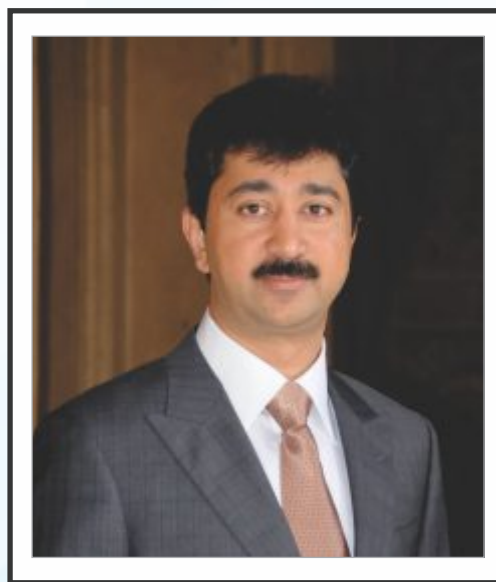


ऑल इंडिया श्री शिवाजी मेमोरिअल सोसायटी : संस्थेच्या प्रांगणात राजर्षी छत्रपती शाहू महाराजांच्या पूर्णाकृती पुतळ्याचे अनावरण शनिवारी राष्ट्रपती प्रणव मुखर्जी यांच्या हस्ते झाले. या वेळी (डावीकडून) संभाजीराजे छत्रपती, उपमुख्यमंत्री अजित पवार, महापौर चंचला कोद्रे, मुख्यमंत्री पृथ्वीराज चव्हाण, राज्यपाल के. शंकरनाथायणन, मुखर्जी, शाहू छत्रपती, केंद्रीय कृषिमंत्री शरद पवार व मालोजीराजे छत्रपती.



All India Shri Shivaji Memorial Society and its founders realised very early, the need to bring about reforms through education. Since its inception in 1917, it has been the Society's endeavour to continuously improve its initiatives. Today the Society has made huge foray into the noble field of education, meeting the all round requirements on various fronts including emerging areas. All India Shri Shivaji Memorial Society has a distinctive mission & a history that has made it a leader in the field of education. Education today, not only focuses on imparting knowledge & skills but also on the overall development of the students. With state-of-art infrastructure and dynamic faculty, AISSMS is marching ahead on all avenues of education right from primary schooling to specialised technical institutes to name a few, two engineering institutes, a pharmacy college and a hotel management college. As a President of AISSMS Society, I welcome you to access our multifarious endeavours and be a part of our culture.

**Shri. Shrimant  
Chhatrapati Shahu Maharaj,**  
President - AISSM Society



With the "vision of service to society through quality education" AISSM Society has successfully established multiple education institutes in Pune city. Today AISSMS offers education ranging from pre-primary level to post graduation. The legacy of over a 100 years has enriched the educational scenario in the city by offering a rich heritage, quality education and a dynamic incubation cell for the young minds to experiment with. There is a strong industry interface which ensures global presence of the alumni.

At AISSMS, we continue the colossal task of social reform through education as initiated by Shri. Chhatrapati Shahu Maharaj in year 1932.

AISSMS today is a 1200+ teaching staff and 14,000+ students community.

Our focus is practical based learning in order to create competent industry leaders.

It prepares them to face the ever-demanding and ever-changing challenges of the industries. Today our work in education fields like, Engineering, Management, Pharmacy, Hotel Management has reached people all over the country and the world. Our students' community extends far beyond the AISSMS campus, with sizeable alumni around the globe.

**Shri. Malojiraje Chhatrapati**  
Honorary Secretary - AISSM Society



## Vision

"Achieve excellence in quality technical education by imparting knowledge, skills and abilities to build a better technocrat".

## Mission

- Empower the students by inculcating various technical and soft skills.
- Upgrade teaching-learning process and industry-institute interaction continuously.



It gives me immense pleasure to invite aspiring students who are keen to make a best career in technical field as a good technocrat. The diploma holders play very important role in industrial and economic developments of the country. They develop and master specialised skill in the chosen areas and provide much needed supports in any engineering establishments. Also the students having diploma in engineering provides support services in various other sectors of economy, including service sector.

AISSM Society's Polytechnic having NBA accredited programmes is among the top reputed technical institutes imparting high quality technical education. The evolution of the institute over the past two and half decades has witnessed strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to providing professional education with trust on creativity and innovation. Here at AISSM Society's Polytechnic, we are imparting skills and knowledge to our students in the best possible manner to make them dream about big and fulfill the same. It is rightly said that a dream becomes a goal when the action is taken towards its fulfillment, and we are committed to providing optimistic, independent, compassionate, life-long learners and leaders who will bring glory to the institute, state and the nation.

We at AISSM Society's Polytechnic take every care to fulfill the hopes and aspirations of all students by providing them the best physical and academic infrastructure needed to make them competent technical professionals. Our outstanding faculty adds value to our best endeavor to provide technical knowledge to our students in the interest of all the stakeholders in the country. I take this opportunity to acknowledge the extreme hard work put in by our dedicated staff, by working round-the-clock to keep our college at the zenith of success.

I Welcome you all to join our institute and make a best career in life.

"The tradition of excellence is ours, the choice is yours."

**S. K. Giram**  
Principal



**DTE CODE : D-6415**

**ADMISSIONS OPEN**

All India Shri Shivaji Memorial Society's Polytechnic, Pune, was established in the year 1994. The Polytechnic is affiliated to MSBTE, Mumbai and approved by All India Council for Technical Education (AICTE), New Delhi, and Government of Maharashtra. The Institute provides programmes of the Diploma courses of three years duration in the following disciplines:

Sr. No.	Name Of the Course	Intake	DTE Choice Code
01	Computer Engineering ( <b>NBA Accredited</b> )	120	641524510
02	Civil Engineering ( <b>NBA Accredited</b> )	90	641519110
03	Mechanical Engineering ( <b>NBA Accredited</b> )	90	641561210
04	Electronics & Tele Communication Engineering	60	641537210
05	Information Technology	60	641524610
06	Automobile Engineering	30	641560210
07	Artificial Intelligence( <b>AI</b> ) and Machine Learning ( <b>ML</b> )	30	641599810
<b>Total Intake</b>		<b>480</b>	



## ABOUT TRAINING & PLACEMENT CELL

The goal of Training & Placement Cell is to provide a platform to the students for using their potential to gain valuable experience by working in the industries. It also acts as the interface between various companies seeking talented young graduates and post graduates in various disciplines. The primary goal of the polytechnic institution is to provide a capable manpower to the industry at supervisory level. Our Training and Placement Cell is actively involved in coordination with all the departments to build the necessary capabilities in our students under the guidance of the Principal.

Following Activities Carried Out By Training & Placement Cell :

- Approach industry for campus interviews
- Organize expert lectures on various Technical Topics
- Organize industrial visit for students
- Interact with industry for project sponsorship, Inplant training, etc
- Organize quantitative aptitude sessions
- Organize soft skill sessions to improve the soft skills of the students
- Organize seminars and workshops to improve the professional skills of students
- Organize quiz and mock interviews to improve their core competencies
- Conduct campus placement drives

Training and Placement Cell takes enormous efforts in approaching various industries from diverse sectors and interacts with industry-officials continually. We have a very good placement record. Our students are working in reputed industries. In short, Training and Placement cell is playing a pivotal role in bridging the gap between industries and the institution.

## OUR MAJOR RECRUITER



## STATE OF ART INFRASTRUCTURE





## SALIENT FEATURES

1. Centrally Located
2. Experienced and well qualified staff as per AICTE norms
3. Well-equipped laboratories and workshop
4. Library enriched with latest information, e-books and book bank scheme
5. An outstanding tradition of excellent result
6. Government scholarship facility for reserved category students
7. Monthly progress reports of the student to their parents through the meetings
8. Guidance and counselling through mentors by personal attention
9. Championships in sports at State and Zonal levels
10. Effective training and placement cell
11. Co-curricular and extra-curricular activities
12. Inculcate novel program and structured exercises for overall personality development of the student
13. Extra coaching for the students having poor performance
14. Organization of seminars, guest lectures and industrial visits
15. Training programmes for continuous up gradation of students' knowledge
16. ERP software for e-learning and to track the student progress
17. Close to Pune Railway Station
18. Metro Station in the Vicinity of Campus

## OUR PRIDE

1. NBA Accredited Programmes
2. More than 85% result every year since 1995 for each course.
3. More than 75% students Score First Class.
4. A Student of Computer Engg. Branch stood first in general MSBTE State level merit list for Summer 2008 Examination & also got 5000/- rupees as a cash prize from MSBTE Mumbai and AISSMS management respectively.
5. First prize in "State level technical Paper Presentation" since last 10 years.
6. Our students Participate in DIPEX every year and win the prizes.
7. Many students are placed in well known organizations.
8. Most of the Students got admissions Directly to the Second Year Degree courses in prestigious institutes.

## Admission Procedure

Eligible candidates should apply in the prescribed format.

## Qualifying Examination & Eligibility

(As under, Subject to change from time to time as per Government Orders)

### RULE-1

Candidates will be eligible for admission subject to compliance of all the following conditions :

#### (A) First Year of Post SSC

- (i) The Candidate should be an Indian National :
- (ii) Passed 10th Std./ SSC examination or its equivalent, with at least 35% aggregate marks

Note: Other than Maharashtra State Candidates shall be eligible for Institution quota only.

#### (B) Direct Second Year of Post SSC :

- (i) The Candidate should be an Indian National
- (ii) 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) OR 10th + (2 years ITI) with appropriate Trade

Note: Other than Maharashtra State Candidates shall be eligible for Institution quota only.

### RULE-2

The following categories shall also be eligible for admission if they have passed Std. X examination from a recognized school outside Maharashtra State provided -

- I. Father/ Mother of the candidate is domiciled in the State of Maharashtra.
- II. Father / Mother of the candidate is a Central Govt. / Govt. of India undertaking employee who is posted in Maharashtra and reported for duty before the last date for submitting of application form.
- III. Father / Mother of the candidate is Maharashtra State Govt. / Maharashtra State Govt. Undertaking employee who is transferred from other State to Maharashtra or returned from deputation to other State back to Maharashtra and reported for duty in Maharashtra before the last date for submitting application form.

### RULE - 3 - RESERVATION OF SEATS

Reservation of seats will be as per Govt. Rules



## Fee Structure

### 1. For Open Category candidates :

The fee structure for unaided private institutes shall be as approved by the Fee Regulating Authority.

### 2. Concession in Fees for Backward Class Category Candidates (belonging to Maharashtra State only):

For SC/ST/VJ DT NT(A)/NT(B)/NT(C)/NT(D)/SBC/OBC category candidates:

The scheme/mode of concessions, scheme of loan scholarship (if any) in tuition & other fees for eligible candidates, will be announced by the Central /State Government. These candidates will get only that amount of waiver as notified in the circulars issued by the Government Department from time to time, subject to fulfillment of various norms and conditions laid down by these Departments.

Candidates claiming fee concessions under various categories shall produce the requisite certificates as may be specified by the respective Government Departments.

If the concerned Social Justice/Tribal welfare authority denies the claim or backward class category candidate fails to substantiate claim for fees reimbursement with documents in respect of his/her category, then it will be the responsibility of the candidate to pay the prescribed fees to the admitted Institute.

If a candidate seeks admission to Post SSC Diploma Course after his/her XIth and/or XIIth standard Pass/Fail and availed the fee concessions shall pay full tuition, development & other fees for equivalent number of years.

#### Note :

1. Certificate of caste and validity issued by the Magistrate or equivalent authority as prescribed by Govt. must be submitted by B.C. candidates.
2. Candidates claiming for fee concession under OBC, SBC, VJ/ DT(A), NT-B, NT-C and NT-D category shall produce Valid Non-Creamy layer certificate
3. Copies of certificate attached to the application form should be attested by the principal of school/institute or a Gazatted Officer or Special Executive Officer. **Original Certificates will have to be produced at the time of admission.**

### 3. Caution Money Deposits :

Caution money deposits received from the students shall be refunded after successful completion of the course or after cancelling the admission. Unless there is any recovery, no deduction shall be made from the caution money deposit.

However, the amount of caution money deposit shall be transferred to Students Aid Fund in case of Un-Aided colleges and credited to Government in case of Government and Non Government-Aided Colleges, if candidate does not apply for refund, as given below.

- a. Within 3 complete financial years after the student actually leaves the institution; OR
- b. Within 3 complete financial years after the date of successful completion of the course, whichever is earlier

### **Special Instruction To Parents**

All the parents are hereby informed to remain in touch with the institute and DTE website regarding the round of admission. Also they must see the college notice boards for the dates of admission rounds, from time to time. Parents will not be informed separately. No complaint should be raised by the parents, at the later stage in this regard. Parents must sign the attendance register while attending the rounds of admissions.

### **Medium Of Instruction**

The medium of instruction and examination is English.

### **Conduct And Discipline**

- Student studying in the Institute, if found indulging in antinational activities contrary to the Provision of Acts & Laws enforced by Govt, will be expelled from the Institute without any notice by the Principal of the Institute.
- Candidate, applying for admission against the seats reserved for backward class, should note that only those candidates who actually belong to the castes and communities will be eligible for the admission.
- If any of the statements made in the application form or any information supplied by the candidate in connection with his/her admission is at any time found to be false or incorrect, such candidate will not be considered for admission and if already admitted, his/her admission will be cancelled, fees forfeited and he/she may be prosecuted by Govt. if necessary. An appeal against the order of expulsion however may be preferred within eight days from the date of expulsion to the Director of Technical Education whose decision in such cases will be final and binding.
- The candidate shall be governed by general rules and also disciplinary rules prescribed by the Institute for students.
- FIR will be charged against the students involved in ragging. Students will be given adverse remarks in their leaving certificates for any kind of ragging / aggressive behavior in college campus.

### **Examination Body**

- Maharashtra State Board of Technical Education, (MSBTE), Mumbai.

### **General Rules For Students**

- Students should be regular and punctual in attending classes, tutorials and submissions of the term-work in various subjects. Terms shall not be granted and a student shall not be certified for examination if his progress, conduct and attendance is not satisfactory.
- Ragging of the students in any form within or outside the college is strictly prohibited. Defaulters will be strictly dealt with as per Government instructions in this matter.
- Smoking, Drinking (Alcohol), use of Drugs and Chewing of tobacco & Gutkha is strictly prohibited in the premises of the College.
- Bicycle, Scooters & Vehicles should be parked in areas provided for the purpose. The Institute accepts no



responsibility for their safe custody. Vehicles parked elsewhere may be confiscated.

- Any changes in the address of the students must be intimated by him/her in writing to the college office immediately.
- A student must carry identity card signed by the Principal & produced the same whenever asked by the college authority. Without identity card, students will not be allowed to enter the college premises and will be strictly dealt with.
- A student is expected to read the notices put up on the notice board of the Institute. The Institute accepts no responsibility for loss of any advantage by student due to his failure to read the notice in time.
- In case a student requires to remain absent for some reasons, he will be required to take the prior permission of the Principal.
- If any statement made in application form or any information supplied by the student in connection with his/her admission is later on / at any time found to be false or incorrect, his/her admission will be cancelled, fees forfeited and he/she be expelled from the Institute by Principal and prosecuted by Govt. if deemed necessary.
- A student shall not go to the press or any publicity media without permission of the principal.
- Compensation of any damage to the Institute property apparatus, furniture, equipment, library books, building etc. must be paid immediately by the students.
- A student must attend social and National events organized by the college such as Republic Day & Independence Day and all other declared national celebrations.
- A student will be bound by the rules and regulations formed by the Institute from time to time.
- No student will be allowed to appear for the MSBTE Examination unless he/she pays all his/her dues and completes his/her term-work in time. The attendance at Theory & Practical's must be more than 75%.
- Students should not keep mobile phone/valuables along with them at the time of M.S.B.T.E. examinations as well as during their regular lectures and practical's. The Institute will not be responsible for the loss of mobile phones/valuables of the students.
- Students will be informed about the uniform after the commencement of academics activities.



# DEPARTMENT OF COMPUTER ENGINEERING (NBA Accredited)

## INTAKE-120

### Vision

"Enhance skills by providing value based technical education for fulfilling global needs in the field of computer engineering."

### Mission

- M1: To provide quality education in computer engineering by improving psychomotor
- M2: To develop positive attitude, communication skills, team spirit, and entrepreneurship.
- M3: To develop awareness about societal and ethical responsibility for professionalism.

We started our journey in the year 1996, to -

Produce highly qualified, well rounded and motivated diploma holders who can meet new technical challenges, contribute effectively as team members and be innovators in computer hardware, software, design and application.

Pursue creative research and new technologies in computer engineering and across disciplines in order to serve the needs of industry, government, society and scientific community.

Inculcate strong ethical values and responsibility towards society.

This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students.

### DEPARTMENT ROLE

- The department is well equipped with excellent computing facilities and has highly qualified faculty specialized in areas like Multimedia Communications, Wireless Networking, VLSI design, Data Mining, etc.
- The department organizes workshops, IN-Plant training, industrial visits and Faculty Development Programs etc.
- The courses leading to a Diploma in Computer Engineering was started in the year 1996. The department presently has highly qualified and experienced staff on its role. The department has well equipped laboratories for the following subjects :
  - Python Programming
  - PHP Scripting
  - Object Oriented Programming
  - Operating System
  - Software Testing
  - Advanced Microprocessor
  - Computer Hardware & Peripherals
  - Advance Java and Java Programming
  - Relational Database Management System
  - Advanced Computer Network

### CARRIER FORECASTS

- Computer Engineers specialize in areas like digital systems, operating systems, computer networks, software development, computer Maintenance, etc.
- Diploma holder of computer engineering find employment in a variety of organization, such as universities, industry and government organizations.
- Computer engineers can lead as computer network architect, programmer, Computer hardware Engineer. Application engineers, System engineers, etc.
- Computer Engineers can grab interesting jobs like computer programming, Systems Analyzing, software and hardware development, web designing, networking, software testing, etc.
- Computer engineering has grown and matured into a dynamic major helping to drive the wave of technological growth in the world.



# DEPARTMENT OF CIVIL ENGINEERING (NBA Accredited) INTAKE-90

## Vision

"To be a fountain head of quality education by empowering students with necessary knowledge and skills."

## Mission

**M1:** To impart the quality education to the students to serve the society and nation.

**M2:** To enable the students to gain life-long learning skills and to pursue higher education.

We started our journey in the year 2004. Over years, shelter, water & communications have remained always on priority in national planning. To overcome all problems of population and urbanization in infrastructural development, role of civil engineer is of prime importance even in era of IT. Civil Engineering is the oldest Engineering Discipline after Military Engineering. It is traditionally broken into different disciplines including Environmental Engineering, Structural Engineering, Transportation Engineering, Water Resource Engineering, Geo-technical Engineering, Material Engineering, Survey Engineering and Construction Engineering. Civil Engineering takes places at all levels in the public sector and private sector. Civil engineers will always be needed to maintain and repair existing facilities and structures and to construct new ones.

## DEPARTMENT ROLE

- Department work with aim- "To be the Source-head of new ideas and innovations in Civil Engineering and offering world class professional knowledge as well as leadership in civil engineering to students."
- Department is always keen to provide opportunity for students to have practical field exposure on the civil engineering jobs.
- Faculty is always ready to produce academically sound, disciplined and competent engineer who will become principals in the industries associated with civil engineering and professional engineers' starting-up and growing their own new firms.
- With academic, department encourages students to show their talent in various extra-curricular activities.
- The department presently has highly qualified and experienced staff on its role. The department has well equipped laboratories on the following subjects :

- Geotechnical Engineering (NABL Certified Equipments)
- Civil Engineering Computer Laboratory
- Public Health Engineering
- Transportation Engineering
- Construction Material Laboratory

## CARRIER FORECASTS

- The experts say "There is a high demand for experienced civil engineers in developed countries".
- Civil Engineers can find job in Government departments, private and public sector industries, research and teaching institutions etc. Job opportunities for civil engineers are expected to increase as fast as the average for all jobs, although the construction industry is vulnerable to fluctuations in the economy.
- Civil Engineering students have ample opportunities in: State /Central Government Jobs , the railways, private construction companies, military, engineering services, consultancy services, road projects, building work, consultancy firms, quality testing laboratories or housing societies, etc.
- IES (Indian Engineering Services), WRD (Water Resources Department), PSU (Public Sector Units), PWD (Public Works Department), Real estate sector ,Self-employment as well as best carrier options in abroad.



# DEPARTMENT OF MECHANICAL ENGINEERING (NBA Accredited)

## INTAKE-90



### Vision

Create competent mechanical engineers with good humanities, leadership and entrepreneurship qualities for Global Development.

### Mission

**M1:** To impart quality education through demanding academic programme.

**M2:** To increase employability through Industrial interaction and Entrepreneurship Development.

**M3:** To enhance technical skills and social awareness.

We started our journey in the year 1994.

Mechanical engineering is one of the broadest and oldest branches of engineering. It is also referred as the Mother Branch of Engineering. Mechanical engineering plays a dominant role in enhancing safety, economic vitality, enjoyment and overall quality of life.

### KEY ASPECTS

- Mechanical Engineers have good graduate prospects.
- Mechanical Engineers enjoy great starting salaries.
- Mechanical Engineers are multi-skilled.
- Mechanical Engineers have Global opportunities.
- Mechanical Engineers are at the forefront of future technologies.

### DEPARTMENT'S ROLE

- Our research-active faculty members take a real interest in providing the best education possible and getting to interact with every individual student.
- Department is organises workshops, Inplant training, industrial visits, Faculty Development Programs etc.
- Department is excited to develop versatile personalities by providing facets beyond books. Students are participating in cultural, State and National level sports, environmental and social activities.
- The department presently has highly qualified and experienced staff on its role.
- The department has well equipped laboratories for the following subjects :

- |  |                          |
|--|--------------------------|
| ➤ Refrigeration & Air-conditioning                           | ➤ Automobile Engineering |
| ➤ Metrology and Quality Control (NABL Certified Instruments) | ➤ Electrical Engineering |
| ➤ Theory of Machines   | ➤ CAD / CAM & Automation |
| ➤ Mechanical Measurement & Control                           | ➤ Fluid Mechanics        |
| ➤ Thermal Engineering  | ➤ Workshop               |

### CARRIER FORECASTS

- Industrial sectors in which mechanical engineers have traditionally made substantial contributions include aerospace, automotive, chemical, computer and electronics, construction, consumer products, energy, engineering consulting, Agricultural Mechanization, Air Conditioning and Refrigeration, Spacecraft, Household Appliances, Nuclear Technologies, High-performance Materials, transport, healthcare, robotics and government etc.
- In addition, the medical and pharmaceutical industries present exciting opportunities for mechanical engineers to join forces with the life sciences.
- Even the entertainment industry relies heavily on mechanical engineers for special effects and amusement park equipment.



# DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION INTAKE-60

## Vision

“To contribute the Society through technical education with strong ethics for enhancement of humanity.”

## Mission

**M1:** To motivate technical students for entrepreneurship

**M2:** To develop industry relevant skills in students.

**M3:** To promote the value of ethical behavior, responsibility and commitment.

We started our journey in the year 2003.

Electronics and Telecommunication covers vast areas in the field of engineering. Electronic and telecommunication engineering is an engineering discipline where non-linear and active electrical components such as electron tubes, and semiconductor devices, especially transistors, diodes and integrated circuits are utilized to design electronic circuits, devices and systems, typically also including passive electrical components and based on printed circuit boards. Electronics & Telecommunication is a diverse field of engineering which is connected to all branches of engineering.

## DEPARTMENT ROLE

- The department presently has highly qualified and experienced staff on its role.
- Electronics & Telecommunication Engineering discipline today is multi-disciplinary in nature representing an actual synergy of different technologies ranging Micro-controllers, Digital Signal Processing, VLSI etc.
- Here we provide best infrastructure, qualified & motivated staff, well-furnished classrooms and much more.
- Most of the faculty members presented papers at several national and international conferences and journals.
- Department provides Summer Internship in Industries.
- The department is well equipped with laboratories covering all courses of the Electronics & Telecommunication engineering.
- The department has well equipped laboratories for the following subjects :
  - Embedded System
  - Industrial Automation
  - VLSI with VHDL
  - Mobile and Wireless Communication
  - Optical Networking and Satellite Communication

## CARRIER FORECASTS

- Electronics and Telecommunications engineering technology is a broad field concerned with the development, installation, testing and maintenance of communications systems.
- Companies in India for Electronics and Telecommunication are BSNL, MTNL, Defense sector, NPL, Telecom Department, Railways, Bharat Electronics Limited, DRDO, IBM, TATA consultancy services, Infosys, Hughes, Ericsson, TATA Teleservices, Reliance, L&T Infotech, Microsoft, Ninescript Technologies Pvt. Ltd, Vodaphone etc.



# DEPARTMENT OF INFORMATION TECHNOLOGY

## INTAKE-60



### Vision

"To enrich intellectual potential by imparting technical knowledge and skills to become an IT professional."

### Mission

**M1:** To confer the technical education and skills required for IT field.

**M2:** To imbibe social awareness in students to serve the society.

We started our journey in the year 2001.

Innovation with intellectual mind is essential in order to become a talented IT professional. The world of education is changing as the modern world continues to grow. In this modern day and age, information technology plays a big role. Information Technology is one of the most promising and rewarding field. It is the study and use of systems for storing, retrieving and sending information. This can include software, hardware, applications, and so much more. Business, education and even health care have all been redesigned, thanks to information technology. Due to the importance and reputation of IT, the present age is sometimes referred as information technology age.

### DEPARTMENT ROLE

- In order to excel in this field, department is devoted, committed and dedicated towards teaching process and its implementation.
- Our imaginative faculty focuses on innovative ideas, technical and practical knowledge as well as entrepreneurship skills which bring professional ethics in students.
- Department arranges extra-curricular programs for students for their personality development.
- Department provides Summer Internship in Industries.
- The department presently has highly qualified and experienced staff on its role.
- The department has well equipped laboratories for the following subjects :
  - Client side scripting
  - Principle of Database Management system
  - Network and Information Security
  - Advanced Java programming
  - Data communications
  - Data structures using 'C'
  - Mobile Application Development
  - Wireless and Mobile Network
  - Operating system
  - Computer Networks
  - Object oriented programming
  - Applied Multimedia Techniques.

### CARRIER FORECASTS

- Career in IT is considered one of the most high-paying jobs and is full of opportunities.
- IT Service provider based companies concerned in hardware/software development, application and its testing employ IT professionals.
- IT can take a person to higher levels. Numerous IT companies from India employ huge number of computer professionals in their Indian and overseas offices.
- Skilled professionals working in multinational companies can earn a handsome salary bracket.



# DEPARTMENT OF AUTOMOBILE ENGINEERING INTAKE - 30

## Vision

"To achieve excellence in technological and social aspects of automobile engineering."

## Mission

**M1:** Comprehensive development of student by using state of art infrastructural facilities.

**M2:** Development of engineering mindset within the students.

**M3:** Continuous enhancement of skill sets of student and faculty through industry-institute interaction.

**M4:** Imparting social and ethical values among the students.

**Automobile Engineering :** This sub branch of Mechanical Engineering deals with automobile sector which manufactures two/three/four wheelers & commercial vehicles. Automobile engineer possesses typical and enhanced knowledge related with engines, fuel systems, and chassis. He also has mechanical background with parameters like production, design, quality control & management science. He develops skills in testing of engines, difference in diesel & petrol engines. He also possesses knowledge about pollution control, maintenance of vehicles, and repair of engine assembly etc. The variety of different vehicles with modern technologies such as vehicles on CNG, electric vehicles, hybrid cars is prominent one.

## Highlights of the Programme :

- MSBTE certified 3 years full time programme
- Qualified and experienced faculty
- Industry interaction through industrial visits and expert lectures
- Technical and professional skill enhancement through workshops, competitions
- Limited batch size

## Key Features of the Programme :

- 6 Week industrial training
- Dedicated project lab
- Entrepreneurship development program
- Dedicated professional skill development program
- Regular mentoring for improvement in performance

## Laboratories :

- Automobile Engines Laboratory
- Automobile Transmission Systems Laboratory
- Automobile Systems & Body Engineering Laboratory
- Electrical Engineering Laboratory
- Project Laboratory

## The department has well equipped laboratories in following subjects :

- |  |  |
|--|--|
| ➤ Vehicle Layout & Transmission System | ➤ Heat Power Engineering                     |
| ➤ Automobile Engines                   | ➤ Automobile Systems and Body Engineering    |
| ➤ Autotronics                          | ➤ Automotive Electrical & Electronic Systems |
| ➤ Automobile Air Conditioning          | ➤ Two Wheeler Technology                     |
| ➤ Advanced Automobile Engines          | ➤ Vehicle System Maintenance                 |



# DEPARTMENT OF ARTIFICIAL INTELLIGENCE (AI) AND MACHINE LEARNING (ML) INTAKE - 30



## Emerging Course Introduced from Current Academic Year (2021-2022)

The terms Artificial Intelligence and Machine Learning are no longer as unfamiliar as they were a few years ago. Whether it's a camera in a mobile phone or Voice Assistants like Siri, Alexa and Cortana, artificial intelligence plays a big role in their performance. Artificial Intelligence is the process by which human work is performed by machines and equipment. Artificial Intelligence has brought about radical changes in areas like the automobile industry, space industry. Large international companies such as Google, Amazon and Microsoft have invested heavily in research and development in this area.

One of the most important aspects of this artificial intelligence is machine learning. The machines and equipment we use in machine learning are machines that over time begin to make their own decisions by using and analysing information from the human user. For this, these machines study the habits and working methods of the user. Machine learning technology is used for self-driving cars, disease mapping, natural language processing tools, as well as social media monitoring and many more.

In short, AI and ML technology will see many positive changes in the near future. Many big companies will compete for research and development in this field, so naturally there will be ample employment opportunities in this field in the near future. In the future, no sector will be able to move forward with the desired efficiency without this technology. We see that this technology has made human life easier than ever. This has created a golden opportunity to pursue a career in this field. Students should definitely consider this field as a great career choice.

### DEPARTMENT FEATURES

Specialized lab in AI, ML and Data.

- Computer Centre with high configuration machines and softwares.
- Access to AISSMS instructors through online live lectures, Q&A support and discussion forums.
- Strong Industry Collaborations, Technical Workshops, Events, Training through Industry experts.
- Teacher Guardian system for student mentoring and personalization.
- Exposure for project based learning, Support and Encouragement for Industrial Internship.
- Strong Support for Personality development.

**CAREER FORECAST FOR ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** AI and ML domain is considered one of the most lucrative jobs in the industry right now. With numerous openings spanning across all sectors, AI & ML jobs are showing only the signs of growth.

AI is heralded to create 2.3 million jobs by the end of Year, leading a net gain of 500,000 potentially new jobs. And in the light of COVID-19 crisis, job opportunities for AI workers are bound to see a sharp rise.

### CAREER OPPORTUNITIES IN THE FIELD OF AI & ML

- Machine Learning Engineer
- Data Analyst
- Data Architect
- Data Scientist
- Business Intelligence Developer
- Enterprise Architect
- Big Data Engineer/Data Engineer



## Co-Curricular & Extra Curricular Activities





## Co-Curricular & Extra Curricular Activities





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POLYTECHNIC  
CENTER OF ACADEMIC EXCELLENCE

“My years studying with AISSMS's Polytechnic were amongst the most fruitful ones setting the strong foundation for my career and life. I not only gained a lot in theoretical and practical knowledge in computer engineering from the faculty members but also became a better person. I wish the polytechnic continues to shape dreams and aspirations of youngsters and produce next generation of engineering professionals and leaders of tomorrow.”

**Mr. Amir F. Mukari**  
Director of Quality Assurance,  
Drive Data Solutions Pvt Ltd, Pune.”

**AISSMS**  
POLYTECHNIC  
CENTER OF ACADEMIC EXCELLENCE

AISSMS Polytechnic has dedicated faculties who impart fundamental and applied knowledge to their students. I feel blessed to be one of such students. Along with great discipline rules, the faculties created a friendly environment for us at the campus. Seeing our campus grow so beautifully green now, it adds up to my bliss.

**Mr. Aniruddha Arun Deshpande**  
Director - Frontal Turnkey Solutions Private limited  
Alumnus - AISSMS Polytechnic  
Year of Passing 2000

**AISSMS**  
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AISSMS Polytechnic has given me friends and experience I'd cherish for life.

My younger self always dreamt of becoming someone who people in society look up to and lead with an example. This College plays a vital role in making me that person or at least matter today.

I would say that this college will give you all opportunities that you need, go and take them and leave no stone unturned.

**Mr. Ajit Mendigula**  
Assistant Engineer at Pimpri  
Water Resource Department Govt. of Maharashtra

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The faculty at the instrumentation department at AISSMS Polytechnic is highly dedicated. The co-operative culture here increases the efficiency. The department also holds good relationships with the industry outside. The constant effort to stay updated and get a hang of the latest technology enhances the productivity of the department.

**Mr. Vishal Dattatraya Kale**  
Proprietor, Omkar Technologies  
Alumnus - AISSMS Polytechnic  
Year of Passing 1999

**AISSMS**  
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I feel privileged to be a part of AISSMS Polytechnic. The journey here has been immensely productive where I started from scratch to become a finest engineer. I am thankful to the faculty who always showed the pathway to achieve this dream. The well-equipped labs and a constant support from the teaching as well as non-teaching staff have helped us shape our career with a strong foundation.

**Ms. Mrunal Jalindre**  
Center Head, IET CDAC, Pune  
Alumna - AISSMS Polytechnic  
Branch: Electronics & Telecommunication | Batch: 2008

**AISSMS**  
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My three years at AISSMS Polytechnic have been excellent and a memory to cherish for a lifetime. The years spent here have been full of learning opportunities that were full of fun and frolic and sometimes with the academic grind that one has to go through. Industrial exposure makes you a better human being to face the challenges of the corporate world.

**Ms. Dhanshri S. Gund**  
MD of VS Studios,  
Master of Screenwriting,  
London University, Associate member of SWA, Mumbai.  
Alumna - AISSMS Polytechnic | Passout Year: 2012

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# सांडपाण्याचा पुनर्वापर करणे होणार अधिक सोपे

**Fraasd.Panase**  
[fraasdpanase@gmail.com](mailto:fraasdpanase@gmail.com)  
 Twitter : @fraasdpanase001

पुणे : ड्रायंग फ्लाश विनिर्मा-  
 देनून अत्यंत फायदेमंद पद्धतीने  
 कचऱ्यापासून विनोदित होऊ शकते  
 असा दावा आहे. यातून अत्यंत  
 प्रयोगातून याच पद्धतीतून इंधना  
 साठवणे करून घ्यायचे यासाठी  
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 पुनर्वापर करणे होणार अधिक सोपे

आज हीच ही विश्वव्यापी  
 पद्धतीने (एनव्हायरोनमेंट)  
 ड्रायंग फ्लाश विनिर्मात करून घ्यायचे  
 यासाठी अत्यंत फायदेमंद पद्धतीने  
 पुनर्वापर करणे होणार अधिक सोपे

‘एनव्हायरोनमेंट’ या विनिर्मात करून घ्यायचे यासाठी अत्यंत फायदेमंद पद्धतीने पुनर्वापर करणे होणार अधिक सोपे

पुणे : ड्रायंग फ्लाश विनिर्मा-  
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 पुनर्वापर करणे होणार अधिक सोपे

**असा आहे प्रकल्प**  
 या प्रकल्पातून विनोदित होऊ शकते  
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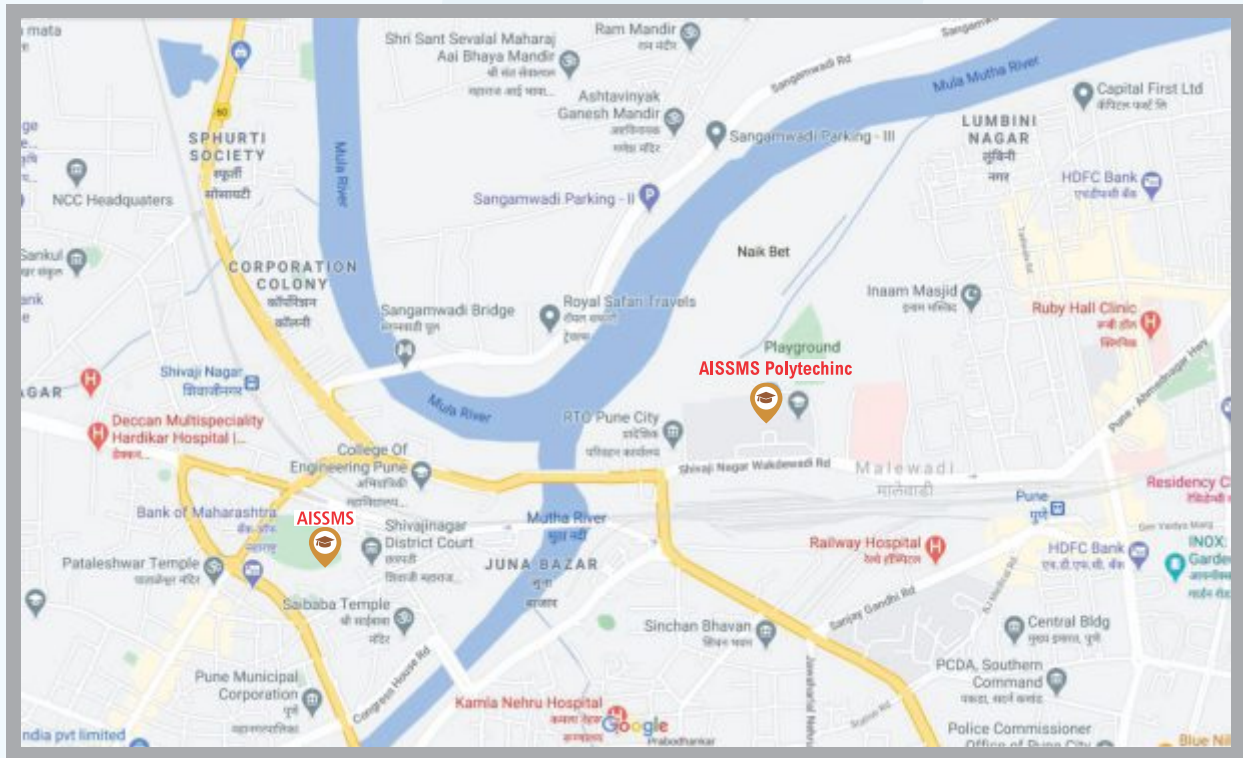
# विद्यार्थ्यांनी साकारला ‘इको फिल्टर’

म. रा. टा. प्रतिनिधी, पुणे

कोल्हापूर-कोल्हापूर येथील एका  
 विद्यार्थ्याने साकारला ‘इको फिल्टर’  
 हा प्रकल्प. यातून अत्यंत फायदेमंद  
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विद्यार्थ्यांनी साकारला ‘इको फिल्टर’  
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Winners of State level Technical Project Competition (2020)  
"Eco Filter" Social benefit project Purification of flood water in natural disaster



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AISSMS's Polytechnic, Kennedy Road, Near R.T.O. Office, Pune - 411 001  
 Website: [www.aiissmspoly.org.in](http://www.aiissmspoly.org.in) | Contact: 020 26059147, 26058287 | Email: [principal@aiissmspoly.org.in](mailto:principal@aiissmspoly.org.in)



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## AISSMS CAMPUS

**CAMPUS 1** : 55-56, Shivajinagar, Pune - 411 005, Maharashtra, India

**CAMPUS 2** : Kennedy Road, Near R.T.O., Pune - 411 001.

**CAMPUS 3** : Pune Solapur Highway, Near Urali Kanchan, Taluka - Daund, Dist - Pune 412 202

Website : [www.aiissms.org](http://www.aiissms.org) | E-mail : [enquiry@aiissms.org](mailto:enquiry@aiissms.org)