



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
**Shri Chhatrapati Shivaji Maharaj College of
Engineering, Ahmednagar**

Survey No. 162 & 163, Nepti, Nagar-Kalyan Road, Ahmednagar -414005, Maharashtra
Contact No. : (0241) 2568383, 2568384, www.scoea.org, Email : scsmcoe.anr@hotmail.com

Approved by AICTE New Delhi, Recognized by Govt. of Maharashtra & Affiliated Savitribai phule Pune University

Student Hand Book

Name _____

Class _____ Roll No. _____

Identity Card No. _____ Library Card No. _____

S.I.D. No. _____

Address _____

Phone/Mobile No. _____



scsm.coe.5



@scsmcoe



7030579021

Institute Code **5382**





Ahmednagar Jilha Maratha Vidya Prasarak Samaj, Ahmednagar

MISSION

The mission Statement of the trust is, 'तेजी सी तेजो मे देही', i.e. to undertake all necessary efforts to enlighten the life of others. In the True sense this will be carried out by establishing and managing different types of educational units of excellence so as to educate the people and thus improve their social and economical status.

VISION

We aim to provide the finest environment for teaching, learning, research, innovation and character building. We would like to emerge as a leader in Research and Post Graduate Studies in Engineering and Technology. The institute derives strength from its philosophy, vision and Values leading to the achievement of academic excellence and promotion of high level technological research.

From The Desk Of Principal

A Very warm welcome at Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar, a place to create a bright future in Engineering.

In the era of globalization, knowledge is power. Engineering Education plays a vital role in nation building, corporate sectors and industries. We strongly believe that students, if properly nurtured and educated, can become important assets of society and nation.

Keeping in mind, that the student is the focal point of all activities of our institute.

Desire, Quality Education, Innovation, Excellence and Dedication are 'Panchsutras' of the institute. All efforts will be directed to make overall development of students to face challenges of corporate world, industries & nation.

Our basic objective is to impart quality education. The institute is incorporated with all requisite laboratories, classrooms, workshop, seminar hall, computer center, library with latest equipments & software, national-international journal & e-library.

We have a team of dynamic, talented and devoted teachers to help the students to bring the best out of them. We are also implementing soft skill and personality development programmes to make our students more confident and competent.

Once again I ensure of excellent technical education in the best possible way.....

The pollution free aesthetically developed campus with it's greenery is an ideal place for learning which you will certainly enjoy.

Wishing you a successful career.....

Dr. M. P. Nagarkar
Principal.

"100 YEARS" OF GLORIOUS HISTORY IN EDUCATION

Ahmednagar Jilha Maratha Vidya Prasarak Samaj is a Unique Educational institution engaged in a variety of Social, Cultural and Educational activities since the last nine decades. The Vision, Mission & philosophy of the society firmly believes in quality education in the Engineering field.



The Ahmednagar Jilha Maratha Vidya Prasarak Samaj, the parent institution of Shri Chhatrapati Shivaji Maharaj College of Engineering, Ahmednagar was founded in the year 1918. It is the pioneer educational institution in the district. Initially the Society started the Maratha Boarding for poor students in the name of Late Karmaveer Hutatma Chatrapati Chouthe Shivaji Maharaj, father of Rajarshi Shahu Maharaj, who bravely fought against the British Rulers was tortured, confined and killed in the Ahmednagar fort. Chhatrapati Shahu Maharaj, Kolhapur donated substantial amount towards the boarding. The

Founders of the society were highly motivated and inspired by the teaching of Late Chhatrapati Shahu Maharaj, Mahatma Phule, Maharshi Vithal Ramji Shinde, Dr. B.R. Ambedkar and Karmaveer Bhaurao Patil. The institution had started with its first High School named as Tagore High School in the year 1941, which was subsequently named as Residential High School in the year 1943. It received assistance and encouragement from Chhatrapati Shahu Maharaj, Kolhapur. The institution which was started with meagre funds and food grains contributed by public has now grown an enormous size, with its varied types of institutions.

Today the Institution is one of the guiding stars in the field of education in Ahmednagar district. It runs Thirteen Hostels for boys & girls, One primary school, one school for Adivasis, Forty Seven High schools including Jr. Colleges, Nine Senior colleges, One Institute of Management & Research, Institute of Hotel Management and Catering Technology, Law College and D.Ed College. This year the Sanstha has crossed another milestone by Starting an Engineering College. These 92 Institutions under the ages of Ahmednagar Jilha Maratha Vidya Prasarak Samaj, play an effective role in spreading Education to the

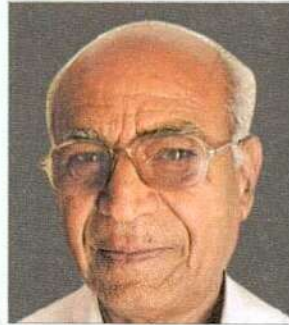
संस्था महाविद्यालयाविषयी थोडेसे

अहमदनगर जिल्हा मराठा विद्या प्रसारक समाज अहमदनगर ही अहमदनगर जिल्ह्यातील एक नामवंत शिक्षण संस्था असून १९१८ पासून ही संस्था ज्ञानदानाचे कार्य करित आहे. शैक्षणिक वर्ष २०१७-२०१८ या शैक्षणिक वर्षात सदर संस्थेमध्ये एकूण ७०,००० पेक्षा जास्त विद्यार्थी वेगवेगळ्या अभ्यासक्रमाचे शिक्षण घेत आहेत. या संस्थेने सन २०११-२०१२ पासून श्री. छत्रपती शिवाजी महाराज अभियांत्रिकी महाविद्यालय, नेसी नगर - कल्याण रोड, अहमदनगर येथे सुरु केलेले आहे. त्यासाठी संस्थेने २१ एकर जमीन खरेदी करून आखिल भारतीय तंत्र शिक्षण परिषद नवी दिल्ली यांचे मानकानुसार भव्य इमारत बांधली आहे. सदर इमारतीमध्ये प्रयोगशाळा, क्लास रुम, वर्कशॉप, लायब्ररी, कॉम्प्युटर सेंटर, मुलामुलीसाठी स्वतंत्र व अद्यावत कॉमन, रुम इत्यादी सर्व अद्यावत सोई सुविधा उपलब्ध केलेल्या आहेत. या अभियांत्रिकी महाविद्यालयामध्ये मॅकेनिकल इंजिनिअरींग, सिव्हिल इंजिनिअरींग, इलेक्ट्रॉनिक्स इंजिनिअरींग, कॉम्प्युटर इंजिनिअरींग व इलेक्ट्रॉनिक्स अॅण्ड टेलिकम्युनिकेशन इंजिनिअरींग प्रत्येक ६० विद्यार्थी प्रवेश क्षमता याप्रमाणे अभ्यासक्रमात शिकविले जात आहेत. शैक्षणिक वर्ष २०११-२०१२ या प्रथम वर्षापासून संस्थेने उच्च शिक्षित व अनुभवी प्राध्यापकांच्या नेमणुका केलेल्या आहेत. पुणे विद्यापीठाने घेतलेल्या प्रथम सत्रामध्ये महाविद्यालयाचा निकाल ही अत्यंत चांगला लागलेला असून (जिल्ह्यातील प्रथम क्रमांकावर) बहुतांश विद्यार्थी चांगले मार्क्स घेवून उत्तीर्ण झालेले आहेत.

Hon'ble Executive Body & Trustees



Shri. Nandkumar B. Zaware Patil
President



Shri. Ramchandra H. Dare
Vice President



Shri. Genuji D. Khandeshe
Secretary



Adv. Vishwasrao D. Athare
Joint - Secretary



Dr. Vivek P. Bhapkar
Treasurer



Shri. Madhavraoji D. Muly
Trustee



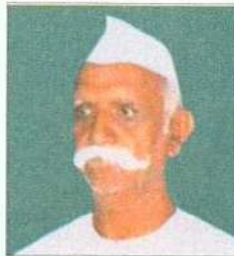
Adv. Ramnathji L. Wagh
Trustee



Dr. Mohanraoji G. Hapse
Trustee



Adv. (Sau.) Deeplakshmi S. Mhase Patil
Trustee



Shri. Sitaram G. Khilari
Trustee



Dr. Chandrakant K. More
Trustee

Courses Offered

The Institute is approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra, Director of Technical Education, Mumbai & affiliated to the Savitribai Phule Pune University

Sr. No.	Programme	Choice Code	TFWS Code	Intake Capacity
1	Civil Engineering	538219110	538219111T	60
2	Computer Engineering	538224510	538224511T	60
4	Electronic & Telecommunication Engineering	538237210	538237211T	60
5	Mechanical Engineering	538261210	538261211T	60

Eligibility Criteria

For First Year

12th Science with English, Physics and Mathematics compulsory and Chemistry/Biology Bio-technology /Technical Vacation subjects with minimum 50% of Marks
(For Reserved category and Physically Handicap Candidates 45% Marks)
Candidate must have Appeared JEE (main) Exam

For Second Year

- I) Candidate should have Passed Post S.S.C., OR Post H.S.C. Diploma Course Examination with Mathematics as a Subject and english as a medium.
- II) Should have passed B.Sc. Degree From U.G.C. / Asso. of Indian University Examination with Mathematics as a Subject and english as a medium.

Scholarships

Institute will provide full assistance for Central Govt. & State Govt. Scholarships & freships for reserved Category Students, Economically & other backward class Students as per Govt. rules & regulations.

INFRASTRUCTURE

Department of Applied Chemistry

The chemistry lab of college is equipped with all required instruments like PH meter, centrifuge oven etc. Each student have separate apparatus kit with which they will carry out experiments any time they want. Qualified teacher and lab assistants are always ready to help them.

Department of Applied Physics

The Physics Laboratory Consists of different instruments to perform the prescribed practical as per syllabus of University of Pune. Each students is provided with separate setup of experiments to understand the concept behind the theory. A qualified teacher and experts lab assistants are always ready to clear doubts of students.

Computer Center

The Computer Center of the institute is in a spacious laboratory of 150 Sq.mt. It consists of 60 Pentium IV Computer with latest verison and two IBM servers. The 2 MBPS leased fiber optics line for internet connection is provided. LCD Projector with Screen is available for demonstration of latest software. The Computer center is installed with licensed software which includes AUTOCAD, IntellCAD,C-Programming MS Windows, MS Office, Linux, Visual Studio & Antivirus Software. Students are encouraged to use latest software to learn the new trends & applications of software. The institute has subscribed for MSDN Academic Alliance.

Library

Library is the knowledge center of the institute. The central Library is divided in following parts :-

- 1) **Library Books & Staking :**
All necessary books required for all subjects of engineering are available in the library. Students can take the books at home for study purpose.
- 2) **Periodicals Section :**
In this section the national & international magazine like IEEE, ASME, ACM are available to gain the latest knowledge by students.
- 3) **E-Library :**
Now a days most of the information & books are available in software format. The E-Library facilities enables students & staff to online search & read the research material of their interest.
- 4) **Reading Room & Reprographics Facilities are also available**

Department of Civil Engineering

Civil Engineering is one of the basic branch of Engineering that fulfills one of the basic needs of a human being and also provides the infrastructure needed for all other branches. The Civil Engineering aims to improve the civic life of society by harmonizing the natural resources available on earth. The major areas in the field of Civil and Environmental Engineering are Construction technology, Geotechnical Engineering, Transportation Engineering, Municipal and Sanitary services, Surveying and Mapping, and Hydraulics & Water Resources.

Academics

The undergraduate programme inspires students to dream big. Students are also trained with practical experience from field visits to industries, dams, irrigation structures and construction sites, etc.

Faculty

Qualified and experienced faculty members form the department. They are specialized in structural, geotechnical, environmental, water resources, transportation, surveying and construction engineering, as well as management, remote sensing and GIS.

Students have access to every facility in the form of well-equipped labs. They are; • Basic Civil Engineering Laboratory • Engineering Mechanics Laboratory lab

These labs are equipped with advanced equipment including Dumpy Level, Auto Level, Levelling Staff, Universal Force Tables, Space Force Apparatus etc

Careers

The students get employment with companies such as L&T, Technip, Foster-Wheeler. Bechtel & Gammon, Tata Consultancy Engineering, MAYHTAS, CCCL & Ltd. Jain Housing Ltd., Shirke Group of Companies, as well as several MNCs



Department of Electronics & Tele-Communication Engineering

Electronics and Tele-Communication Engineering is a rapid growing branch of engineering providing exposure to the students to wide range of fields like Telecommunication, Consumer electronics, Broadband Networks etc. Electronics and Tele-Communication Engineering (E&TC) is a swiftly advancing field, with new ideas emerging every other second. From mobile phones to fibre optics and remote sensing, there are exciting avenues to explore and create. The E&TC department prepares students for careers in this constantly evolving discipline.

Academics Undergraduate

Students pursuing a B.E. in E&TC have a full and flexible undergraduate curriculum. Numerous streams can be tailored to fit every individual's interests, skills and career goals. Students prepare for technological careers in industry, academia or management. Besides giving a thorough grounding in basic sciences and engineering subjects, the curriculum in electronics and communication engineering lays greater emphasis on deep understanding of fundamental principles and state of the art of knowledge of Electronic Devices & Circuits. Computer Architecture & Microprocessors, VLSI & Embedded Systems, Electromagnetic Field Theory, Analog and Digital Communications, Digital Signal Processing, Microwave & Broadband Communications. Image Processing. Computer vision, Bio-Medical Signal Processing and Optical Communication.

Faculty

Most faculty members are postgraduates with considerable research and academic experience. The department has specialists from the fields of device electronics, signal processing, microwave & optical engineering, wireless communication, embedded systems and VLSI design.

Cutting-edge laboratories & facilities

The ECE Department has laboratories
Basic Electronics and Tele-Communication Engineering Lab

Careers

The E&TC Department prepares students to pursue leadership, technical, and management positions in a variety of industries. Students can obtain prestigious placements at leading companies such as Intel, Texas Instruments, Infosys, TCS, Keane, Mindtree, Wipro, Cognizant technologies and Tata Elxsi. Students can pursue their higher studies in prestigious institutions abroad as well as in India.



Department of Computer Engineering

The future of computing and IT systems begin here. The department's mission is to advance, evolve and enhance computer science and computing engineering fundamentals to build the intellectual capital of research and students. The Computer Engineering Department endeavors to be an important regional, national, and international resource centre for the development of computing, IT systems and applications. This is a period of exciting growth and opportunity, propelled by the top ranking it achieved recently.

Academics Undergraduate

The B.E. in Computer Engineering is a broad and flexible degree programme with the curriculum specifically designed to reflect the depth and breadth of computer science. The main focus of Computer Engineering course is on development of specialized skills in designing and analyzing software systems, algorithm and hardware systems. The course will teach to plan, investigate, design, analysis and implementation of hardware and software systems. This course is having strong balance on development of theoretical concepts, practical skills and teamwork.

Cutting-edge laboratories & facilities

The department provides extensive computing resources for research and education. This includes high-performance computers. Department network communications have a fiber optic 2 Mbps connectivity to the commodity internet via leased line.

Careers

Computer Engineering department effectively prepares students to pursue leadership, technical, and management positions in a variety of industries. Students can obtain successful placements at leading companies like IBM, Infosys, Wipro, Cognizant, TCS, Satyam, Microsoft etc.



Department of Mechanical Engineering:

According to Oxford dictionary, a Mechanical Engineer is a person skilled in design, production and maintenance or repair of machines. Mechanical Engineering is a discipline having a blend of Mathematics and Science with experience and judgment for production of useful serviceable goods with economy of material. Mechanical engineers require a solid understanding of key concepts including mechanics, kinematics, thermodynamics, energy and manufacturing. They use these principles in the design and analysis of automobiles, aircraft, heating and cooling systems, buildings and bridges, industrial equipment & machinery and many more.

Academics Undergraduate

The B.E. in Mechanical Engineering is a comprehensive degree programme. The goal of the curriculum is to create a flexible undergraduate educational experience in design, mathematics, modelling, computing, management, engineering science, humanities, social sciences and fine arts. Principal study topics include fluid mechanics, thermodynamics & heat transfer, solid mechanics, materials engineering, manufacturing, energy systems, dynamics & control, Computer Aided Design (CAD), Computer Integrated Manufacturing (CIM) and others.

Career

Mechanical Engineer is a self employed engineer as a consultant or entrepreneur. The programme enables the students to take up careers in a broad spectrum of industries. Many of the IT industries too have CAD/CAM divisions, which increases the job potential of mechanical engineers with increase in demand for automotive experts in the domestic and international markets, graduates of mechanical engineering have a bright future ahead.



Dept : _____



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's

**Shri Chhatrapati Shivaji Maharaj College of
Engineering, Ahmednagar**

Faculty - ENGINEERING

Name Mr./Miss./Mrs _____
(Surname) (Name)

(Father's/Husband's Name)

Date of Birth _____

Permanent Address _____

Tele./Mob - (Father) _____ (Student) _____

Concession _____

Student's Signature

Class	Division	Roll No.	Year	Date of Issue/renwal
FE./Civil/Computer/EGTC/Mechanical/Engg.			201 -201	
SE./Civil/Computer/EGTC/Mechanical/Engg.			201 -201	
TE./Civil/Computer/EGTC/Mechanical/Engg.			201 -201	
BE./Civil/Computer/EGTC/Mechanical/Engg.			201 -201	



Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
**Shri Chhatrapati Shivaji Maharaj College of
Engineering, Ahmednagar**

**Selection of Subjects for the
F.E./Civil/Computer/E&TC/Mechanical Engineering**

To,
The Principal
Shri Chhatrapati Shivaji Maharaj College of Engineering
Ahmednagar

Subject : Selection of the Subjects

I have selected the following Subjects for the **First year** I assure that I will not change the said subjects without prior Permission.

- 1) _____ 2) _____ 3) _____
4) _____ 5) _____ 6) _____
7) _____

Yours Obediently

(Signature of the Student)

Signature of the Class

Name _____

Teacher.

Class _____ Division _____

Date : / /20

Roll No. _____

Extension in the date of fees payment

Installment	Extended upto	Principal's Signature
I		
II		
III		

Details of Scholarships

Date	Particulars	Signature of the Clerk

Details of Issue of Cards, Journals, Kits etc.

Particulars	Date	Sign. of the Authority
1. Identity Card No.		
2. Library Card No.		
3. College Annual Copy		
4. Journal		
5. N.S.S. Badge		
6. Project		
7. Other		

