

**Yadavrao Tasgaonkar**  
**College of Engineering & Management**



## **About the Institute:**

Saraswati Education Society (SES), a Charitable Trust is established in the year 2003. The SES started Yadavrao Tasgaonkar College of Engineering & Management (YTCEM) in the academic year 2008-09. The College is approved by All India Council for Technical Education (AICTE), New Delhi, recognized by Government of Maharashtra (Director of Technical Education, DTE), and affiliated to University of Mumbai. The Chairman of the Trust, Dr. N. Y. Tasgaonkar himself is a renowned doctor and educationalist. Today SES is known as a leading education group in Maharashtra in a very small span of four years with numbers of institutes such as Engineering, Management, Pharmacy & Diploma, located at Bhivpuri Road Railway Station, near Karjat surrounded with natural green landscape.

| YTCEM offers  |   |                 |
|---|---|-----------------|
| Full time Four years Degree Courses in Bachelor of Engineering. |   |                 |
| Sr. No.   | Course  | Intake Capacity |
| 1   | <b>BE ( Computer Engineering )</b>                          | <b>90</b>       |
| 2   | <b>BE ( Electronics and Telecommunication Engineering )</b> | <b>60</b>       |
| 3   | <b>BE ( Information Technology )</b>                        | <b>60</b>       |
| 4   | <b>BE ( Mechanical Engineering )</b>                        | <b>60</b>       |

### Eligibility Criteria:

As per the norms of Director of Technical Education, Government of Maharashtra and University of Mumbai.

(Refer Website : [http:// www.dte.org.in](http://www.dte.org.in))

## PRINCIPAL'S MESSAGE:

It gives me an immense pleasure to welcome you to Yadavrao Tasgaonkar College of Engineering & Management which is started from academic year 2008-09 with an objective to provide quality education and excellence in ever changing field of technical education.

In this era of rapid globalization and advanced education environment Yadavrao Tasgaonkar Group of Institutes has endeavored to serve the nation by constantly nurturing the engineers of tomorrow with all round excellence. The institute since its inception has taken every possible step to move along with times and has been encouraging the students to imbibe in them academic spirit so that they are better prepared for tomorrow.

As we dream of India as a superpower of tomorrow, YTCEM is committed to train its student's with engineering skills, which will help them contribute in realization of this dream.

College life is full of colours, the academic excellence form its core and co-curricular, extracurricular, sports and social activities are surrounding this core. The students should not look only surrounding but at the core, which will help them to become excellent human being and perfect Engineer. I hope that students will realize the importance of every aspect of life and participate in all such activities.

I expect my students to be sincere, responsible and committed to their work. They should have "never give up attitude and unquenchable thirst of knowledge.

Wishing you all every success and bright future.

Dr. S. K. Ukarande

Principal, YTCEM



## **Principals' Profile**

Dr. Ukarande S.K. is Principal of Yadavrao Tasgaonkar College of Engineering & Management. He is graduated from College of Engineering Pune and done M. Tech. and Ph. D. form Indian Institute of Technology, Bombay. He has 23 years of teaching experience and was Principal at Engineering College for 7 years at Mumbai University and 8 months at Pune University. He has published 17 Papers in National and International journals and conferences. He has attended various seminars and conferences and travelled abroad to present papers. He has 3 books to his credit: 1) Engineering Mechanics 2) Fluid Mechanics and Applied Hydraulics and 3) Irrigation Engineering and Hydraulic Structures. He is recognized as Post graduate and Ph.D. teacher at University of Mumbai. He has guided 17 candidates at M.E. level.

He is a member of various professional bodies such as MISTE, MIE, MIAH and MISH and Fellow of ICCEI, India. He has worked as a member of various bodies at University level viz, Chairman, Board of Studies in Civil Engineering, Member Faculty of Technology (twice), Member Board of Studies in Civil Engineering (twice), Member Board of University and Teachers Recognition committee, Member Research and Recognition Committee, Member Building and Works committee, Member of Board of Extra Mural studies, Local Enquiry committee, Vigilance Squad, Result Moderation committee at University of Mumbai. He was a Member Board studies in civil Engineering and at present member Research and Recognition committee at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. He has worked on Building committee of various colleges at Mumbai University.

## **DEPARTMENT OF COMPUTER ENGINEERING & INFORMATION TECHNOLOGY:**

We offer Computer Engineering and Information Technology courses based on Mumbai University syllabus to provide the knowledge right from basics to advanced level in both Hardware and Software. Our stress is more on problem solving through proper practical training at our institute. Thus keep the students always updated regarding current developments in previous technologies and recent advancements. One of the main aims is to make our students aware of and develop real world problem solving skills to fulfill the ever changing demand of industry in this new era.

Computer engineer is trained in software designing and hardware-software integration so they are always involved in many aspects of computing from design of microprocessor, personal computers and supercomputer to circuit design.

### **Scope:**

Today, the term computer engineering and information technology has ballooned to encompass many aspects of computing and technology, and the term has become very recognizable in terms of productivity speed with quality control. There are increasing job requirements for engineers, who can design and manage all forms of computer systems used in almost all major and minor industries. A computer engineer and an IT engineer could be employed with the industries working for networking, writing software and firmware for embedded microcontrollers, designing VLSI (very large scale integration) chips, and designing operating systems, along with creating and maintaining information databases.

### **Salient Features:**

Sophisticated computer labs, well equipped with latest computers connected in WiFi LAN.

- ✚ Server with high specification
- ✚ More than 130 computers with latest specifications
- ✚ 24/7 internet facility
- ✚ Labs are well equipped with printers and scanning devices
- ✚ LCD projectors

We are having four labs as per our current status (second year):

1. Computer center
2. Data Structures and CG Lab.
3. Database Lab.
4. Networking Lab.



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## **Department of Electronics and Telecommunication**

Electronics and telecommunication is most rapidly developing and dynamic branch of Engineering. Rapid growth in the telecommunication sector is evident from the deep penetration of Internet and mobile phones in every corner of the world. This branch provides exposure in satellite communication, mobile communication, optical fiber communication, wireless communication and digital signal processing. Department has four laboratories such as,

- Basic electronics Engineering
- Analog System
- Analog communication
- Digital electronics & Microprocessor

All the laboratories have sufficient area as per the AICTE norms. Each laboratory is well equipped with various modern equipments such as Digital Storage Oscilloscope with FFT analyzer, arbitrary waveform generator, modulation generator, CRO trainer, communication trainers, VHDL trainer, TINA design suite software, SIMTEL software etc.

### **Scope:**

In the modern world of the technology, the telecommunication industry has driven technological innovation and provided outstanding career opportunities for people with the right technical and leadership skills. A telecommunication engineer could be employed with the Ministry of Communication, radio, television, and information and broadcasting sectors and for railways or police wireless organizations, mobile phone service providers, cable, and satellite networks, defence-related organizations and by private companies manufacturing electronic, digital and radio equipment. Multimedia services are opening up communication possibilities and therefore a number of employment opportunities will arise in future.



## **Mechanical Engineering**

Mechanical engineering is a core branch of engineering. Mechanical engineer can make a carrier in every field of industry such as mechanical, automobile, chemical, electrical, information Technology, design, etc. Department has all laboratories and workshop well equipped as per structure & syllabus and have well qualified, devoted & dedicated team of teaching staff.

Laboratories include Strength of Materials, Material Technology, Thermal engineering, Thermodynamics, KOM, Machine shop, Computer Graphics and Drawing Hall.

The department aims to provide excellent teaching /learning environment to the students. The department imparts training to the students on various industry specific software's such as Auto CAD Inventor making them adaptive technical challenges.

## **Workshop**

Workshop includes various sections viz. fitting, carpentry, welding, smithy, Plumbing, machine shop, molding, etc.



## **Department of Applied Science & Humanities**

Applied sciences department has highly qualified, well experienced and dedicated staff members. Each staff member strives for excellence of each student, so that he can cope up with university syllabus and competition in the world outside college premises. When student get admitted from higher secondary level to college level, there are lot of changes in the curriculum. To cope up these changes, we appoint guardian faculty members to each division of first year, who take care of all needs and problems of students. Each staff continuously monitors student academic activities, so that they excel in their university examinations.

Applied sciences department has well equipped laboratories for

1. Applied Physics
2. Applied Chemistry
3. Basic Electrical and Electronics Engineering.
4. Engineering Mechanics



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## Teaching Staff ( A. Y. – 2008-09)

| Sr.No | Teaching Staff           | Qualification   | Post                |
|-------|--------------------------|-----------------|---------------------|
| 1     | Dr. Ukarande S.K.        | Ph.D., M Tech   | Principal           |
| 2     | Prof. Kadam S. B.        | ME (Mechanical) | Assistant Professor |
| 3     | Prof. Bharambe R.L.      | BE (Mechanical) | Lecturer            |
| 4     | Prof. Pawar V.S.         | BE (Mechanical) | Lecturer            |
| 5     | Prof. Jagtap S. J.       | ME (EXTC)       | Assistant Professor |
| 6     | /Prof. Ambekar A.G.      | BE (EXTC)       | Lecturer            |
| 7     | Prof. Sawant A.S.        | BE (EXTC)       | Lecturer            |
| 8     | /Prof. Hargunani P.R.    | BE (Computer)   | Lecturer            |
| 9     | /Prof. Chavan S.B.       | BE (Computer)   | Lecturer            |
| 10    | Prof. Tambekar P.M.      | BE (Computer)   | Lecturer            |
| 11    | /Prof. Rasal Y. M.       | BE (IT)         | Lecturer            |
| 12    | Prof. Patil V.V.         | Msc (Chemistry) | Lecturer            |
| 13    | Prof. Deshmukh I.S.      | Msc (Chemistry) | Lecturer            |
| 14    | Prof. Barde S. P.        | Msc (Physics)   | Lecturer            |
| 15    | /Prof. Kondkar V. U.     | Msc (Physics)   | Lecturer            |
| 16    | Prof. Singh Divesh Kumar | Msc ( Maths)    | Lecturer            |
| 17    | Prof. Patil A. V.        | Msc (Maths)     | Lecturer            |
| 18    | /Prof. Naik S.D.         | MA (English)    | Lecturer            |

## **Central Library**

The institute has well stacked library with a selected collection of over 5600 Volumes. The institute has rich collection of books and periodicals, which may focus on the courses provided by the college. Apart from this the college also subscribes to more than 48 National and International journals and periodicals to keep up with the pace at which the technology is advancing. We have institutional membership of the DELNET for the student and staff. Internet access is available for student in the college library and computer centre.



## **Co-curricular and Extra Curricular Activities**

We have Training and Placement Cell, Industry Institute Interaction Cell, Counseling and Guidance Cell, to encourage co- curricular activity and overall personality development. We have Women Development Cell to solve the problems of girl students

We have student's council, each department student association, student's Technical forum, movie club to encourage extra-curricular activities. Student with support of faculty, arrange no of Industrial visit, Guest lectures and celebrate Annual social function every year.

### **Contact Us:**

Saraswati Education Society's

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