



Shri Shamrao Patil (Yadravkar) Educational & Charitable Trust's
SHARAD INSTITUTE OF TECHNOLOGY
COLLEGE OF ENGINEERING

Yadrav (Ichalkaranji) (Approved by AICTE,
Govt. of Maharashtra and Affiliated to
Shivaji University, Kolhapur)

TECHNO SIGHT

Department of General Engineering & Sciences



AY 2016-17
Volume-II
Issue-I

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Hon'ble Dr. Shri Rajendra Patil (Yadavkar)

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MR. ANIL BAGANE

PRINCIPAL



DR. SANJAY A. KHOT

From HOD Desk



It gives me an immense pleasure to pen down my foreword to the second volume of **Technosight**. I feel proud when students of FE participate actively in every activity that is organized by department. This issue contains the record of the activities done in the first semester of AY 2016-17.

OVERVIEW

1	Vision And Mission Of Department
2	FESA Reinstallation
3	Industrial Visits
4	Skill Development activity for students
5	Mega Structures of The World: Akashi Kaikyo Bridge
6	FESA committee

MISSION

- To inspire and motivate promising engineers by catering quality education through effective teaching learning methodologies.
- To inculcate life skills and proactive attitude in students for their overall development of professional career.
- To imbibe moral and ethical values in students in concern to society and environment.



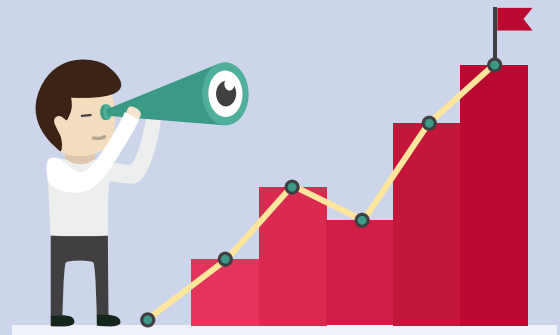
VISION

To be a center of excellence by imparting lifelong learning attitude through dissemination of basic technical and professional knowledge among its students for the accomplishment of ever-growing needs of society.

“If you cannot do great things,
do small things in a great way.”
- Napoleon Hill

SHORT TERM GOAL

- To provide fundamental knowledge of engineering and technology and develop competency among students to achieve academic excellence.



LONG TERM GOAL

- To cultivate and induce professional skills among students.
- To create skill of adaptability among students with curricular and co-curricular activities.

GUEST LECTURE



The inaugural function of FESA reinstatement was held. The function was chaired by Mr. Prasanna Karmarkar. He is university mentor and presently working as Professor in SUK the inauguration was held in the gracious presence of Hon. Executive Director, Shri. Anil Bagane and Dr. S. A. Khot.

Mr. V. V. Gondkar, FESA coordinator, introduced the FESA body and Executive Director Mr. Anil Bagane, Mr. Prasanna Karmarkar jointly felicitated FESA members. Both Honorable Director & Chief Guest addressed the audience. The student coordinators of FESA also shared their opinions.

The guest of honor delivered a key note address. It was very interesting session & all enjoyed it. The students also conducted some ice breaking activities. To conclude the session Miss Ankita Bhabire proposed vote of thanks.

GLIMPSES OF FESA REINSTALLATION CEREMONY

Hon. Executive Director felicitating a FESA member



Chief Guest Mr. Prasanna Karmarkar during key note address



INDUSTRIAL VISIT



In our school days, we used to visit dams, hill stations and tourist places for the sake of enjoyment and happiness. How great those days were! Likewise, here our students visited **Sharad Sugar Factory**, Narande for introducing the actual functions of different machines and getting acquainted with working culture and working staff. Mr. Sachin R. Patil and Mr. Hussainy assisted the students to know the information about the machines, its different parts, its functions and many more.



The main intention behind it is that students should get actual knowledge about the industry and technology used there. Such visits are often organized by our department to fill up the gap between syllabus and industrial knowledge. Here are several sites where we organized industrial visits.

- Unimetal PIE,
- NET MECH, PIE
- Vedant Construction Site, Ichalkaranji
- Hydraulic Power Plant, Radhanagari.

“The journey of a thousand miles begins with one step.”

-Lao Tzu

Skill Development Activity By Campus4U

Our department has provided the platform for the students through Kolhapur based consultancy i.e. Campus 4 You which avails many training programs like Group Discussion, Grammar Activities, Robotics and many more. Such skill development programs help the students to cope up with the industrial scenario and get success in post college life as well as in campus recruitments.



**Students
Participating In
Brainstorming
Activity**

MEGA STRUCTURES

Akashi Kaikyō Bridge



Akashi Kaikyō Bridge, also called “Pearl Bridge”, is located in Japan and considered as Japan’s finest engineering feat. Akashi Kaikyō Bridge is the world’s longest suspension bridge in the world with a length of 3911 meters (12,831 ft). The Akashi Kaikyō Bridge serves as a link between the city of Kobe and Iwayama by crossing the Akashi strait. The construction was finished in a span of 12 years which actually began in the year 1986 and completed in the year 1998. The bridge plays an important role in providing three routes across the inland sea. The bridge was designed with a two hinged stiffening girder system, allowing the structure to withstand winds of 286 kilometres per hour (178 mph), earthquakes measuring up to magnitude 8.5, and harsh sea currents. The bridge also contains tuned mass dampers that are designed to operate at the resonance frequency of the bridge to dampen forces. The two main supporting towers rise 282.8 m (928 ft) above sea level, and the bridge can expand because of heat by up to 2 m (6.6 ft) over the course of a day. Each anchorage required 350,000 tonnes (340,000 long tons; 390,000 short tons) of concrete. The steel cables have 300,000 kilometres (190,000 mi) of wire: each cable is 112 centimetres (44 in) in diameter and contains 36,830 strands of wire.

The Akashi–Kaikyō bridge has a total of 1,737 illumination lights: 1,084 for the main cables, 116 for the main towers, 405 for the girders and 132 for the anchorages. Sets of three high-intensity discharge lamps in the colors red, green and blue are mounted on the main cables. The RGB model and computer technology make for a variety of combinations. Twenty-eight patterns are used for occasions as national or regional holidays, memorial days or festivities.



“There is no ‘I’ in Team but it is in ‘Win’.”

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FACULTY OF DEPARTMENT

Sr. No	NAME OF FACULTY	UNIVERSITY DEGREE	AREA OF SPECIALIZATION
1	Mr. U. A. Khot	M.Sc. NET	Chemistry
2	Dr. K. V. KHOT	M.Sc. Ph.D.	Chemistry
3	Dr. Sarika P. Patil	M.Sc.Ph.D.	Physics
4	Mr. S. S. Jadhav	M.A.B.Ed SET, NET, Ph.D.(Persuing)	English
5	Mr. U. S. Siddharth	M.A.B.Ed SET, NET	English
6	Mr. V. V. Gondkar	M.Sc. B.Ed.	Maths
7	Ms. P. M. Swami	M. Sc.	Maths
8	Dr. U. R. Biraje	M. Sc. Ph. D.	Maths
9	Mr. M. H. Kalawate	M. A. NET, SET	English
10	Dr. S. P. Patil	M.Sc. Ph.D.	Physics

Department of General Engineering and Sciences



Staff members with Executive Director, Principal, Vice-Principal and Deans

“Education is what remains after one has forgotten what one has learned in school”
-Albert Einstein



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