

SARASWATI INSTITUTE OF TECHNOLOGY, Kharghar

Newsletter

Vol.6

August 2019

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About our College

The burning desire of the Saraswati Institute of Technology is to produce the tomorrow's competitive techno survey greenhorns to meet the challenges ahead of today's society. It is our goal to explore individual's talent and sharpen the technical skills to compete with his own unknown incomparable abilities to shine the realities of the future. Saraswati Institute of Technology is approved by the All India Council for Technical Education (AICTE) and the Directorate of Technical Education (DTE); recognized by the Government of Maharashtra and affiliated to the Maharashtra State Board of Technical Education (MSBTE).

With our education system that matches global standards, we endeavor to give a rewarding and fulfilling experience to our students. The best education leads to all-round development of an individual. We also stress on the importance of extra-curricular activities and conduct various sports and cultural events through the year. Comprehensive development is achieved with strong emotional quotient and personal grooming. The excellence our students imbibe is reflects in their personal and professional lives. The most important feature of the Saraswati Education Society and Re Vera Institute of Technology, which is quite different from other such organizations, is that it is based on collective effort made by every individual, working with a spirit of team work. Long term planning, meaningful administration and a dedicated and experienced work force, a full-fledged library and well-equipped laboratories are a few of our strong points which are worth mentioning.

Saraswati Education Society lays special emphasis on providing the best possible infrastructure for learning in all its campuses. All the existing and upcoming institutions of the Society are provided with spacious buildings to accommodate reception, office, classrooms, staff rooms, drawing halls, laboratories, workshop, library, computer center, auditorium, conference halls, examination hall, recreation center for staff and students, sports rooms, canteen, and placement cell. All the buildings have been elaborately furnished and fitted with the necessary fixtures. There is a 24-hour back up in case of power failure, so that the teaching and practical work are not hampered.

As part of editorial team, we welcome all suggestion, articles, and news regarding engineering academic field or accomplishment of your classmates. Please send your suggestions, queries at kamthe.abhijeet@gmail.com

OUR VISION AND MISSION

VISION

“To excel in the field of technology by creating technocrats with value”

MISSION

To provide technical expertise to fulfil the needs of industry.

To impart ethical values and professional responsibilities.

To achieve excellence in academics.

CIVIL VISION AND MISSION

“To impart quality technical education beneficial to industry and the society in the field of Civil Engineering.”

- ✚ To arrange academic and technical expertise.
- ✚ To improve the practical knowledge of the student as per current scenario of industry.
- ✚ To make the students socially and ethically responsible.

COMPUTER VISION AND MISSION

To contribute the society through excellence in scientific and knowledgeable based education of computer science with a deep passion.

- ✚ To transform students into technically competent, socially responsible and ethical computer science professionals.
- ✚ To promote creative teaching learning process that will strive for academic excellence in the field of computer engineering.
- ✚ To enhance the technical expertise of student through workshop & Industry institute interaction.

MECHANICAL VISION AND MISSION

“To incorporate technical and professional skills in Mechanical Engineers to fulfill industrial and social needs”.

- ✚ To educate, guide and mentor the students for academic excellence.
- ✚ To develop technical skills and discipline among the students as per requirement of industry.
- ✚ To impart ethics & social values by arranging social activities.

Application of Remote Sensing

Remote sensing is the acquisition of information about an object or phenomenon without making physical contact with the object and thus in contrast to on-site observation, especially the Earth. Remote sensors collect data by detecting the energy that is reflected from Earth. These sensors can be on satellites or mounted on aircraft. Remote sensors can be either passive or active. Passive sensors respond to external stimuli. They record natural energy that is reflected or emitted from the Earth's surface. The most common source of radiation detected by passive sensors is reflected sunlight. In contrast, active sensors use internal stimuli to collect data about Earth. For example, a laser-beam remote sensing system projects a laser onto the surface of Earth and measures the time that it takes for the laser to reflect back to its sensor. Remote sensing has a wide range of applications in many different fields:

- Coastal applications: Monitor shoreline changes, track sediment transport, and map coastal features. Data can be used for coastal mapping and erosion prevention.
- Ocean applications: Monitor ocean circulation and current systems, measure ocean temperature and wave heights, and track sea ice. Data can be used to better understand the oceans and how to best manage ocean resources.
- Hazard assessment: Track hurricanes, earthquakes, erosion, and flooding. Data can be used to assess the impacts of a natural disaster and create preparedness strategies to be used before and after a hazardous event.
- Natural resource management: Monitor land use, map wetlands, and chart wildlife habitats. Data can be used to minimize the damage that urban growth has on the environment and help decide how to best protect natural resources.

- **Pranjali Chafale**

(Lecturer of Civil Department)



आप अपने आने वाले वक़्त में जो भी करे, बहुत **हर्ष** और **श्रद्धा** के साथ करना, क्योंकि खुशी और मन से किया हुआ काम ही **शुभ** होता है, जो भी आपके लिए अच्छा है और आपने उस काम को करने का **सकल्य** लिया है तो **इंशा** अल्ला वो आज से ही आपके जीवन में **अंकुरित** हो, हमारे बाप्पा सिध्द **विनायक** आपके **आकाश** से ऊंचे और **सागर** से गहरे सपनों को पूरा करे, **सूर्य** की नयी किरण की तरह आपमें भी हर दिन एक नया जोश और नहीं उम्मीद और उमंग का **गीत** हमेशा गाते रहे, पॉजिटिव सोच की **तरंग** आप लोगों के अंदर अक्षय रहे, जय - पराजय, सुख दुःख, पास - फ़ैल ये सब तो हिस्सा है ज़िन्दगी का, इन्हे देखकर हार मत मानना अपने **स्वप्न** को **नीले** आसमा की तरह **बढ़ाते जाना**(rohan), बहुत **तेज** (tejash) न सही पर चलते जाना, न रुकना है न भागना, बस चलते जाना है, आपने goal से प्रीत लगाना और, आप कल जिस भी मुकाम पे पहुँचो मगर जहाँ भी रहो एक **अच्छे मित्र** बनके रहना.

एक बात जो मैं हमेशा ही बोलती हूँ मेरे प्यारे बच्चों की, आप किसी भी मुकाम पे पहुँचना चाओ, उसे पूरा करो पर, सर्वप्रथम अपने माता पिता को अपना **आदर्श** मानो क्योंकि माता पिता ही हैं जो, आपके जीवन के शुरू से लेकर, खुद के जीवन के अंत तक आपका साथ देते हैं, आपके PARENTS की वजह से आप इस दुनिया में हो, पर ये भी सच है की आपमें आपके PARENTS की दुनिया है, हमारे PARENTS सिर्फ हमारे लिए, हमारी वजह से जीते हैं, सिर्फ एक REQUEST है, भगवान **श्रीराम** जैसे बच्चे बनो और आपने माता पिता को ब्रह्मा विष्णु और **महेश** का दर्जा, आदर-सत्कार देना ऐसा नहीं कहती हूँ, पर इतना ध्यान जरूर रखना बच्चों की माता पिता का दिल न दुखाइयेगा और बस थोड़ा सा ही सही पर उन्हें समझने की कोशिश जरूर कीजियेगा, उनके डाँठ के पीछे क्या वजह है- ये समझने की जरूर कोशिश कीजियेगा, उनके अश्रु के पीछे की वजह क्या है- ये समझने की कोशिश जरूर कीजियेगा क्योंकि अब आप बड़े हो चुके हैं और समझदार हैं और इनके साथ और आशीर्वाद से ही हमारे जीवन में **यश**, प्रेम और **धन** बना रहता है,

अपने लाइफ में अनुशासन जरूर रखिएगा, और लिमिट की **रेखा** जरूर खींचियेगा, क्योंकि लिमिट से ज्यादा तो कुछ भी अच्छा नहीं होता है, लिमिट से ज्यादा बोलना भी अच्छा नहीं, लिमिट से ज्यादा मजाक भी अच्छा नहीं, क्या पता कब किसे बुरा लग जाये, लिमिट से ज्यादा चुप रहना भी अच्छा नहीं, लिमिट से ज्यादा सोचन भी अच्छा नहीं, टेंशन आ जायेगा, लिमिट से ज्यादा सेहन करना भी अच्छा नहीं, यहाँ तक की आज के वक़्त में लिमिट से ज्यादा अच्छा होना भी अच्छा नहीं है, ये आप भी जानते हो, कब कौन फायदे का मौका देख रहा हो, लगता है मैं भी लिमिट से ज्यादा बोल रही हूँ :-)

- **Anita Dhami**

(Lecturer of Computer Department)



STUDENT'S ARTICLE

The future of safety

Crash protection starts with crash prevention. Collision that result in the injury may be caused by the delay in the driver recognition of the situation and their abilities to react accordingly. There were almost 5.7million reported crashes in the past decades many of them were avoidable. But there is future TOYOTA safety sense (TSS) is designed to help protect the dri ver, passenger, people in other vehicle on the road and pedestrians from harm. Toyota safety sense (TSS) is comprised of advanced active safety packages anchored by the automated pre-collision warning and braking. TSS represent the latest milestone in creating advancements and innovation in safety that have helped prevent crashes and protect people. Besides helping the driver detect blind spots this technology alert the driver when he/she is not paying attention on the road. Packaged together in an integrated system, TSS feature help addresses three keys area of accident protection: preventing or mitigating frontal collision keeping driver within the lane, and enhancing the road safety during the night time driving. The driver assist system has two types of sensor one millimetre-wave radar located in the front grille, and the other is the monocular camera mounted on the upper, inside part of the windshield. Its collision mitigation system braking system delivers an audio and visual warning when there is a risk of a head on collision if the driver fails to react the car will automatically begin breaking itself to crash. This technology is debut in ford Mondeo in Europe.

- **Onkar Jagdale**

(Student of Mechanical Department)



From: Ved Patel
(Computer department 2rd year)



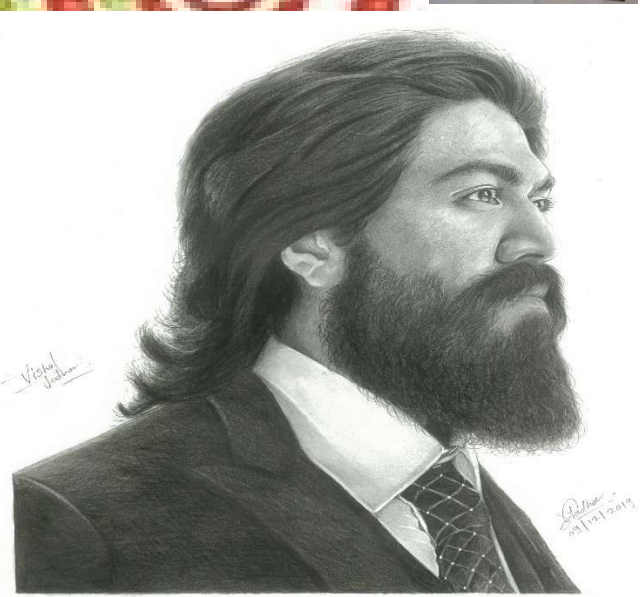
Car sharing– Less stress on city traffic and the environment

Industry experts have found that, over the past couple of years, emotional attachment to cars has decreased significantly. This explains why car sharing has become very popular, even in emerging economies in the APAC and the EMEA regions. The fact that by 2030, one out of every ten cars sold is estimated to be a shared vehicle, reflects the growing awareness to 'go green' and reduce carbon footprints.

Market analysts at Techna via predict that the concept of car sharing will also undergo bigtime customization in 2018. Ride sharing major, Uber, is already allowing passengers to use an auxiliary cable for music, and in some cases even offering snacks and drinks to enhance the passenger's core riding experience.

- **Chetan Pal**

(Student of Mechanical Department)



From: Vishal Jadhav
(Computer department 2rd year)



Topic: [INDIA: A PLACE WHERE WOMEN ARE WORSHIP AND ASSAULTED AT THE SAME TIME]

A diverse country full of religious people has its two contradictory mindsets in which people worship goddess Laxmi, Saraswati, Durga, Mahakali and at the same time they disrespect women and commit heinous crime against humanity.

Women in India live under a constant fear all the time. A fear of going out alone disturbs every female mind living in India. The raising cases of sexual abuse and rape across the country, has left a black mark on the reputation of our country. Foreign tourists are given special warnings while travelling in India, In fact some countries even labeled our nation as an unsafe country for women, after the deadly Delhi Rape case. Is this the reputation we wish to maintain across the world? Definitely not! But, what are we really doing about it.

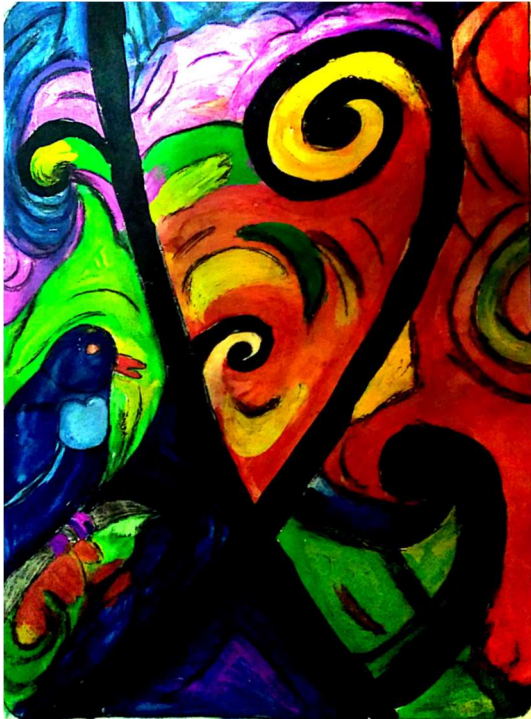
While doing research for this article, I was horrified to see that there was no dearth of rape cases in India, the fact that I could find one news related to rape case every day is enough to make us ponder where we, as a country, are heading.

The numbers of these cases are many and are increasing day by day and year by year. Rapes continue to take place, even acid attacks and domestic violence against women take place and no actions are taken against the culprits. In most cases, victims die, and if they survive they live a worse than ever..

The best way to end violence against women and girls is to prevent from happening in the first place by addressing it's roots and structural causes. Prevention should start early in life, by educating and working with young boys and girls promoting respectful relationship and gender equality.

Strong police actions need to be taken against the Cases need to be handled with more sensitivity and through a quick process. We need to see justice happen and now.

From: Aishwarya .V. Bagal
(Computer Department, 3rd year)



From: Sahil sheikh
(Computer department 2nd year)



Topic: “NetDrugged”

Do you use Facebook, Instagram, Whatsapp or Twitter frequently? If your answer is a YES, than your chance of being an addict is high.

There is absolutely no problem and nothing wrong with using social media. Some people use it to check updates from their friends and to stay connected. Some people use it for entertainment and to kill time. The problem comes when someone becomes addicted to social media and overspends their time on those platforms as a result, their bad habit seriously affects their lives in a negative way and this is obviously something that you want to avoid.

Here are some signs and symptoms which might help you to understand and know whether you are one of them or not.

- 1) Social media is the first thing you do in the morning.
- 2) You waste your time looking at nonsense and procrastinate.
- 3) You checked in everywhere you go.
- 4) You constantly monitor the “likes”, “comments” and “shares” you receive.
- 5) You crave for internet connection.

These were some of the basic signs and symptoms of social media addiction. Now, I would like to share about some other symptoms which are indirectly affecting your mental health and they are as follows:

- 1) Experiencing less satisfaction and hence, less happiness.
- 2) It can promote jealousy.
- 3) It raises your anxiety level and affects your overall well-being.

Social media addiction is such a thing which affects our lives in many ways like Distraction and Drop in productivity, Fatigue and Stress, Peer Pressure and The Desire to compare and many more.

But you need not to worry as there are many ways to cure social media addiction, such as getting rid of notifications, limiting your time spent on social media, deleting the App, Making yourself busy and by never bringing your Smartphone into your bedroom. These were some simple ways to get rid of social media addiction. I hope my article was helpful for you all.

From: Abhishek Ughade
(Computer department 3rd year).



INSTITUTE ACTIVITIES



On 21st June, 2019 we organized the International Yoga Day. The Chief Guest of the program was Mrs. Smitanjali Bhise from Yoga Niketan Vidya Mandir, Vashi. She expressed his views, opinion about the importance of Yoga in our day to day life. The media partners were sakal and Maharashtra Times newspapers. Later the yoga session was performed with all the facilities of the SIOT. Our Principal Sir D. R. Suroshe also showed the participation while performing yoga.



On 2nd February , 2020 we organized the Wetland Day. The program was guided under the guidance of our Principle D. R. Suroshe And other faculties as well. We took the students to Airoli for a session to raise awareness about the value of wetlands for humanity and the planet.



On 2nd February, 2019 we conducted a Nss Cleanliness program in Airoli under the guidance of MR. Samadan Landge . They when into the fields of Airoli to clean them up and to maintain a proper hygiene. All the Nss student and Mr. Samadan Landge participated in this program.



On 16 February , 2019 we conducted a personality development program under the guidance of various department faculties . They were told about how to develop their personality and keep their behaviour

MECHANICAL DEPARTMENT

MOTIVATION LECTURE ON PERSONALITY DEVELOPMENT



On 8th Aug 2019, Mechanical Department organized a Guest Lecture on **The Motivational Lecture on Personality Development** for 3rd year students.



On 31st Jan 2019, Mechanical Department organized a Guest Lecture on **PLC Programming** for 3th year students.

INDUSTRIAL TRAINING



SAI DIESEL



PRAGATI ENGINEERING



SWATI INDUSTRY

INDUSTRIAL VISIT



On 2nd Aug 2019, Mechanical Department conducted an industrial visit at **Adani Thermal Power Plant, Dahanu, Palghar** for 2nd year and 3rd year.



On 5th July 2019, Mechanical Department conducted an industrial visit at **Glomax Mall, Kharghar** for 2nd year and 3rd year.

CIVIL DEPARTMENT



On 9th August 2019 ,Civil department organized a **seminar on Discover Your True Self** which was conducted by **Mrs.Poonam pandey**. Faculty in charge of this seminar was lecturer **HOD Mr. Dattatray Bangar**.



On 14th Feburay 2019 ,Civil department organized **Field visit of RCC Structure** Faculty in charge of this field visit was lecturer **HOD Dattatray Bangar**

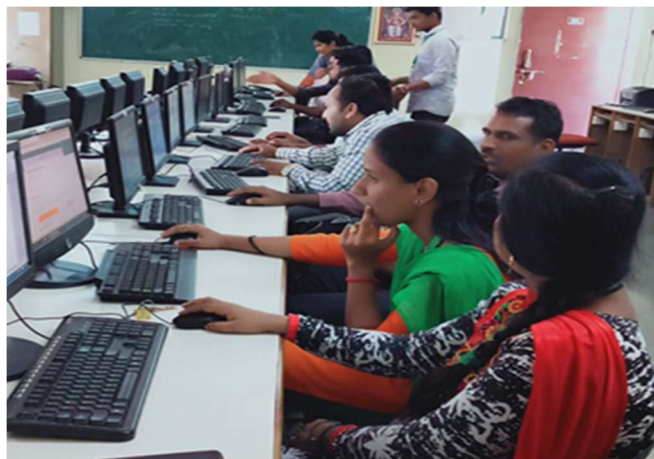


On 8th July 2019,Civil department organized **Field visit of RCC Structure** Faculty in charge of this field visit was lecturer **Mrs. Pranjali Chafale** under the Guidance of **HOD Dattatray Bangar**



On 15th July 2019,Civil department organized **Field visit of Khandeshwar**. Faculty in charge of this field visit was **HOD Dattatray Bangar** under the Guidance of **Prof. D. R. Suroshe**

COMPUTER DEPARTMENT



On 22th February 2019 ,Computer department organized **non-teaching staff on Microsoft office** which was conducted by **Ms.Varsha Mahadik** Faculty in charge of this seminar was lecturer **Smita Kuldiwar** under the guidance of **HOD Manisha Patil**



On 20th February 2019 ,Computer department organized a **Personality development** which was conducted by **Prof. Alka Purohit**. Faculty in charge of this seminar was lecturer **Smita Kuldiwar** under the guidance of **HOD Manisha Patil**



On 26th January 2019 ,Computer department organized **patriotic fervor**. In charge of this Principal Prof.D.R.Suroshe. and HoDs of various departments, faculty, staff members and students.



On 9th April 2019 ,Computer department organized **Farewell For Third year** which was conducted by **Mr. Anita Dhami And Cosa Committee**. The committee conducted various activities

SHORT TERM TRAINING PROGRAM

NAME ABHIJIT KAMTHE
DURATION 05 DAYS
PLACE KIRLOSKARWADI
PROGRAM LEAN MANUFACTURING



NAME ARJUN KADAM
DURATION 05 DAYS
PLACE SEIMENS, AIROLI
PROGRAM PLC TRAINING PROGRAM



NAME GEETANJALI NAIK
DURATION 03 DAYS
PLACE MUMBAI
PROGRAM FLUID FESTO



NAME PRANJALI CHAFALE
DURATION 02 DAYS
PLACE PILLAI HOC ENGG COLLEGE RASAYNI.
PROGRAM INTERNATIONAL WORKSHOP ON
RS & GIS SYSTEM.



NAME SMITA KULDIWAR
DURATION 03 DAYS
PLACE BVIT KHARGAHR
PROGRAM COMPUTER NETWORKING



STUDENT'S ACHIEVEMENT



Yash Kharbe (3rd year civil Department)
Weight Lifting(90 kg) - 1st position



Yash Gole (3rd year civil Department)
Wrestling (70 kg) - 2nd position

FACULTY ACHIEVEMENT

ME Completion

MR. JASLOK PANDEY



MR. AMAR MURUMKAR



Toppers

THIRD YEAR TOPPERS



Nikhil Bahira
83.12%
(Mechanical)



Aditya Bhonkar
82.24%
(Mechanical)



Kalpaka Gaikar
80.47%
(Mechanical)



Shubham Patil
88.43%
(Computer)



Rohan Deshmukh
83.62%
(Computer)



Sankalp Madhavi
83.5%
(Computer)



Omkar Shedge
86.38 %
(Civil)



Ganesh Powar
86.25 %
(Civil)



Balgude Nandan
84.38 %
(Civil)

SECOND YEAR TOPPERS



Rudraksh Anbhavne
79.88%
(Mechanical)



Sumit Dhage
77.63%
(Mechanical)



Abhijeet Barood
77.13%
(Mechanical)



Desai Shlok
79 %
(Civil)



Mhatre Ajay
76.75 %
(Civil)



Raut Arya
74 %
(Civil)



Kaushal Varma
83.73%
(Computer)



Urmi Patel
80.80%
(Computer)



Shivansh Shukla
79.20%
(Computer)

“As engineers, we were going to be in a position to change the world not just study it.”

~Henry Petroski