



The COEP Satellite (SWAYAM) Project

Department Mission

To develop Electronics & Telecommunication Engineers with patriotism and excellence to meet out the irresistible standards par locally and globally.

Department Vision

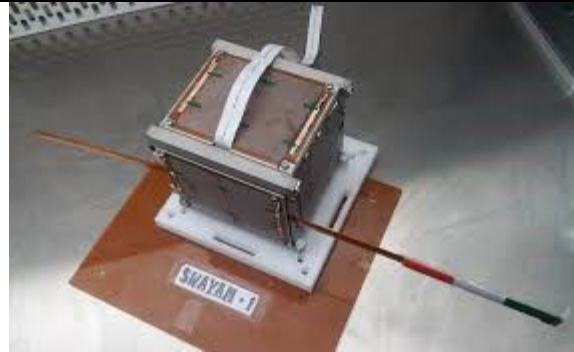
The light of progressive knowledge and the brilliance of Electronics & Telecommunication Engineering is chasing the path towards Excellence for achieving an irreplaceable height in the global fraternity.

Objectives of the Institute

- 1) To impart innovative teaching & learning.
- 2) To provide quality education with futuristic trends in Engineering & Technology.
- 3) To develop the institute as a research centre for academic excellence.
- 4) To ensure continual improvement in quality management system.
- 5) To inculcate social values, patriotism and professional ethics among the students.

Features

- 1) Experienced & Qualified faculty members
- 2) Twice NBA Accredited
- 3) 12 Labs equipped with all state of art equipments
- 4) 2 PG & 1 UG Computer lab with latest configuration PCs
- 5) MATLAB, Xilinx, CC Studio etc. Software
- 6) NPTEL lectures
- 7) IEEE Student Branch
- 8) IETE Student Forum



The COEP Satellite (**SWAYAM**) project is aimed at developing a reliable bidirectional communications platform. Started in late 2008, the SWAYAM project revolves around the challenge of building a pico-satellite destined to orbit the Earth at a height of 500-800 km. With a total weight of 1 kg and the volume restricted to around 1000 cc, the cube shaped satellite demands an innovative approach at every design phase, from screening of components in order to fit the stringent mass budget to the selection of suitable electronic devices which honour the mere 2 W of power produced by the solar panels. With this in mind, the team has devised an ingenious passive stabilization system which employs a pair of hysteresis rods and a magnet to stabilize the satellite thus eliminating the need to use bulky and power hungry magnetorquers. This Passive Attitude Control System of SWAYAM is the first of its kind in India. The satellite houses a payload capable of half duplex communication over the HAM frequency band which enables it to receive, store and transmit messages from one corner of the globe to the other. The team has also established a functional Ground Station and tracked many amateur radio satellites.

Acting as a platform which enables the students to empirically test their knowledge has always been the corner stone of this project. Right from its inception, the team has been strongly supported by the college on all fronts, providing valuable infrastructure and a strong funding to keep the project alive. The environmental tests on the Qualification model were successfully completed in June 2014.

The team successfully cleared the Critical Design Review (CDR) at ISAC, Bangalore on 17th September 2014. All the subsystem designs and results were presented and approved by the committee. The team got a clearance for going ahead with the Flight Model of Swayam.

The team completed the Flight Model assembly and Environmental tests on it at ISAC. The Flight Model has been handed over to ISRO. Swayam has been launched successfully on 22nd of June 2016 along with ISRO's CARTOSAT-2C by Polar Satellite Launch vehicle PSLV-C34.

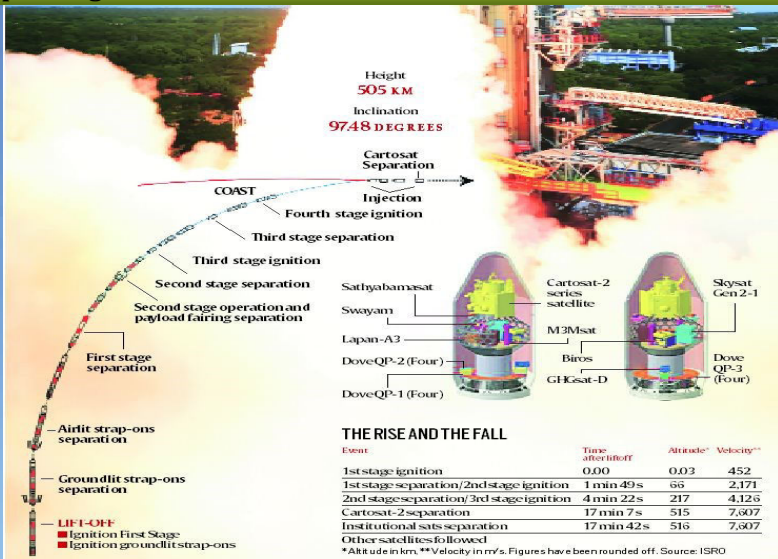


Editorial

Positive people will never let their fears keep them away from reaching their goals and dreams. They always try new things and realize that failures are also important on the road towards success. They realize that there are time for sadness and pain, but they still see lightness and beauty of life.

Your attitude has a great power, because it determines the most of what you experience each and every day of your life. People with positive attitude lift the energy and spirit of others, inspire them with encouraging words, they are friendly with everyone they meet and never giving up no matter how difficult situation is.

ISRO's 20-satellite launch: Explaining the historic feat in Sriharikota



PSLV-C34 rocket injected 20 big and small satellites into Polar Sun-synchronous Orbits on. It was an achievement for ISRO, and a record. **(ISRO has never launched so many satellites in a single mission. In June 2008, the PSLV-C10 had carried 10 satellites with itself, which was a world record at that time. Since then, that record has been overtaken several times by Russian and American rockets.)**

The number of satellites that can be carried at a time is restricted by the space available on the rocket and its carrying capacity in terms of weight. The XL variant of PSLV, which was used for Tuesday's launch, can, for example, carry 1,750 kg of payloads to the Sun-synchronous Polar Orbit (SSPO), and much more 3,800 kg to the Lower Earth Orbit. Theoretically then, Wednesday's rocket, which had 1,288 kg on board, could have carried more payloads. It did help that 14 of the 20 payloads on the mission were very small satellites. The two from academic institutions weighed just 1.5 kg and 1 kg, while the 12 Dove satellites from the US were less than 5 kg each. But satellites also have to be stacked in the rocket in certain configurations so that they can be ejected in the desired orbits, and it requires engineering innovations to include more of them. The PSLV-C34 ejected each of the individual satellites itself. Many rockets use 'container' satellites to carry a bunch of sub-satellites. The rocket injects the container which, at a later time, fires the sub-satellites into their respective orbits. The record-breaking Dnepr rocket, for example, had four of its payloads packed into a bigger satellite. The Antares rocket had 33 small satellites loaded on a spacecraft that took them to the International Space Station. Dnepr's November 2013 mission placed 23 satellites itself, while the remainder were packed inside other satellites. However, all the 29 satellites on the Minotaur mission separated individually from the rocket. Packing a rocket with a large number of satellites does not involve any major technological leap. It is more about utility and efficiency, and about reducing mission costs. It is an effort towards efficient utilization of available space and economizing the cost of the mission. Seventeen of the 20 payloads on the latest PSLV mission were from foreign countries. Each one of them would have had to buy the slot on the rocket, thereby bringing in revenue for ISRO.

Latest Innovations



The Cosmic Watch App.

Since 1967, the National Institute of Standards and Technology (NIST), part of the U.S. Department of Commerce, has defined a second as the duration of 9,192,631,770 oscillations of the microwave radiation absorbed or emitted when a cesium atom moves between two energy states. Precise timekeeping helps keep our modern world synchronized — electric power grids, GPS and other technologies all rely on maintaining accurate and coordinated time.

However, before the advent of cell phones and similar gadgets, humans looked to the cosmos to help organize their lives. People would decide to plant seeds depending on solstices, or arrange meetings based on the position of the moon. The Cosmic Watch operates in three modes: "world clock mode" for timekeeping based on the atomic clock, "astronomy mode" to view constellations and planets in the sky, and "astrology mode" to view astral charts. The astronomy mode points out the planets near you and reveals how celestial bodies move across the sky. The astrology mode displays the planets with their ancient symbols in the zodiac signs, and allows the user to set a birth date and view a natal chart, which maps the planets and constellations, as they were when the user was born.

The Cosmic Watch is currently available to purchase from the Google Play store and the Apple App Store for \$3.99.



IQbuds™

Bionic Hearing Smart Ear buds

The IQ buds from Nuheara in San Francisco can use Bluetooth to wirelessly connect to a smart phone. As such, these ear buds can act like wireless earpieces, so you can listen to music, podcasts or audio books in stereo, make hands-free phone calls; and engage with Siri and other voice-enabled apps. Users can also answer phone calls and start or stop audio with a simple tap of the ear buds. Furthermore, IQ buds are equipped with noise-cancellation technology, which generates sounds that can neutralize background noise, such as distracting chatter in crowded places. In addition, microphones in each IQ bud capture incoming audio, letting in sounds that you may want to hear, such as someone next to you talking to you. People can genuinely and in real time experience the ability to augment their hearing in noisy social environments. IQ buds can operate over 4 hours of continuous use with the help of rechargeable lithium-ion batteries and low-power electronics that optimize battery power and the carrying case that holds the ear buds houses three additional charges, granting an extra 12 hours of battery life.

ETESA Events

Aptitude Test for Final Year Students

Aptitude test for B.E students was held on 16th January 2016 at 04:00 P.M. in E & TC seminar hall. This event was organized by ETESA. 49 students of B.E have participated in this event which is of far importance when considered in regard to the campus placement, Jobs in PSUs, GATE & UPSC Examinations. The questions for the aptitude test were based on following domains:

1. Reasoning ability
2. Verbal & Nonverbal Reasoning
3. Numerical reasoning
4. Data interpretation

There were 75 questions. The test had scheme of negative marking. For each correct response, 03 marks were awarded and for each incorrect response, 01 mark was deducted from the total. The un attempted questions were not accessed. The duration for the test was 50 minutes. Based on the scores obtained, the winners were declared as follow

1. Mr. Rakesh Kumar, B.E (A), 01st Rank, 134 Marks
2. Mr. Chetan Gakhare, B.E (B), 02nd Rank, 97 Marks
3. Mr. Mahendra Chatur, B.E (B), 03rd Rank, 69 Marks

The event was coordinated by Mr.Kunal K Pandey & Mr. Yogesh Santwani, Assistant Professor, E & TC.

Aptitude Test for Third Year Students

Aptitude test for S.E & T.E students was held on 06th February 2016 at 04:00 P.M. in E & TC seminar hall. This event was organized by ETESA. 49 students of S.E & T.E have participated in this event which is of far importance when considered in regard to the campus placement, Jobs in PSUs, GATE & UPSC Examinations.

The questions for the aptitude test were based on following domains:

1. Reasoning ability
2. Verbal & Nonverbal Reasoning
3. Numerical reasoning
4. Data interpretation

The test had scheme of negative marking. For each correct response, 03 marks were awarded and for each incorrect response, 01 mark was deducted from the total. The un attempted questions were not accessed. The duration for the test was 50 minutes. Based on the scores obtained, the winners were declared as follows

From S.E

1. Ms. Nivedita Bhadane, S.E (A), 01st Rank, 46 Marks
2. Ms. Lochana Rade, S.E (A), 02nd Rank, 38 Marks
3. Ms. Pooja Gite, S.E (A), 03rd Rank, 23 Marks

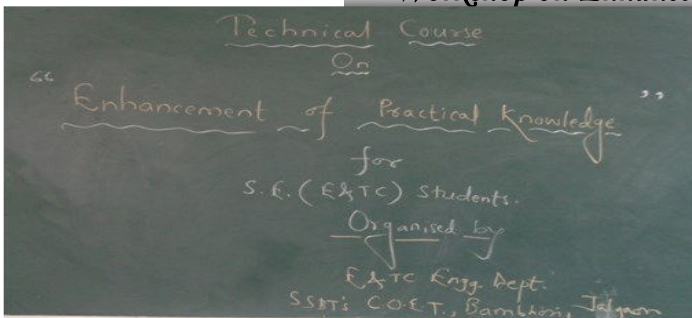
From T.E

1. Ms. Nikita Mahajan, T.E. (B), 01st Rank, 48 Marks
2. Mr. Akshay Khairkar, T.E. (B), 02nd Rank, 38 Marks
3. Ms. Prachi Chaudhari, T.E. (B), 03rd Rank, 32 Marks

The event was coordinated by Mr.Kunal K Pandey & Mr. Yogesh Santwani, Assistant Professor, E & TC.

ETESA Events

Workshop on Enhancement of Practical Knowledge



02 days Technical workshop on "Enhancement of Practical knowledge" was conducted on 02nd & 03rd March 2016 in EM/EI Lab, ED/TM Lab & Seminar hall of the E & TC Department. The session was useful in case it was practical oriented with maximum stress given on handling of Electronics Instruments with more expertise and precision. The faculty members who were involved in the 02 days long workshop were

1. Mr.A.H.Karode
2. Mr.A.C.Wani
3. Mr.N.M.Kazi
4. Mr.R.S.Kalsi

45 students of SE(A) & (B) divisions have attended the workshop. A few topics which were demonstrated to the students are

1. Identification & testing of passive and active components.
2. Study and use of various laboratory equipments.
3. Use of advanced digital instruments for measurement.
4. Implementation of Electronic circuits using various discrete components on breadboard.

Workshop on Enhancement of Practical Knowledge



02 days Technical workshop on "Enhancement of Practical knowledge" was conducted on 02nd & 03rd March 2016 in EDC Lab of the E & TC Department. The session was useful in case it was practical oriented with maximum stress given on handling of Electronics Instruments with more expertise and precision. The faculty members who were involved in the 02 days long workshop were

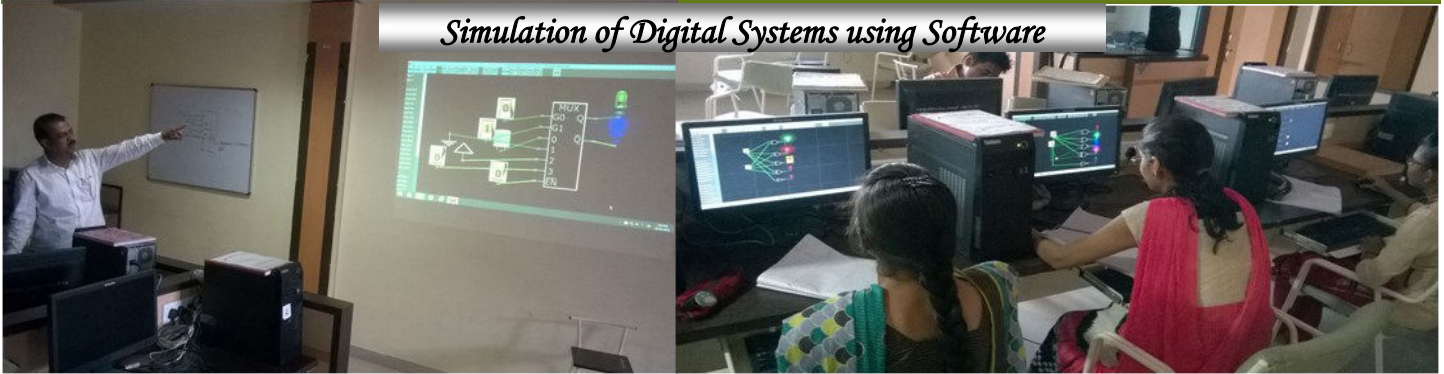
1. Mrs.D.R.Patil
2. Mrs.M.T.Deshmukh
3. Ms.P.M.Shanbhag
4. Ms.A.B.Sapkal
5. Ms. P.D.Girase

42 students of TE(A) & (B) divisions have attended the workshop. A few topics which were demonstrated to the students are

1. Identification & testing of passive and active components.
2. Study and use of various laboratory equipments.
3. Use of advanced digital instruments for measurement.
4. Implementation of Electronic circuits using various discrete components on breadboard.

The students found the session useful and have learned a lot through it.

ETESA Events



Simulation of Digital Systems using Software

02 days Technical workshop on "Simulation of Digital Systems using Software" was conducted on 05th & 06th March 2016 in PG Computer Lab of the E & TC Department. The session was useful in case it was practical oriented with maximum stress given on conceptual understanding of the basics of a digital circuit with the realization of K-Map, Boolean algebra, SOP & POS rules etc and the verification of theoretical results with its comparative analysis with the practical output using different software.

The faculty members who were involved in the 02 days long workshop were

1. Prof.D.U.Adokar
2. Mr.Y.S.Santwani
3. Mr.K.K.Pandey

16 students of SE & TE have attended the workshop. A few topics which were demonstrated to the students are

1. The use of CEDAR Logic software.
2. The use of ATTENUA Software.
3. The use of K-Map Minimizer
4. The use of 8085 simulator.

The students found the session useful and have learned a lot through it.

Jivan Dhara Blood Donation Camp



जळगाव : बांधोरी अभियांत्रिकी महाविद्यालयात आयोजित रक्तदान शिबिराप्रसंगी प्राचार्य के. एस. वाणी, प्रा. योगेश संतवाणी, प्रा. डॉ. एम.पी. देशमुख, प्रा. एस. एल. पाटील आदींसह विद्यार्थी.

"जीवनधारा" शिबिरात २०१ जणांचे रक्तदान

जळगाव, ता. १९ : एसएसबीटी अभियांत्रिकी महाविद्यालय बांधोरी व इंडियन रेडक्रॉस सोसायटी यांच्या विद्यमाने रक्तदान शिबिराचे आयोजन करण्यात आले होते. सदर शिबिरात २०१ वाटल्या रक्त संकलित झाले. शिबिराचे उद्घाटन प्राचार्य डॉ. के. एस. वाणी यांच्या हस्ते सरस्वती पुजनाने झाले. याप्रसंगी डॉ. एस. आर. सुरळकर, समन्वयक प्रा. कुणाल पाटील, प्रा. एम. एम. काशी, प्रा. एस. पी. रामटेके आदी उपस्थित होते. शिबिराची सुरवात मुख्य संयोजक प्रा. डॉ. सुरळकर यांनी रक्तदान करून केली. यानंतर विद्यार्थी, विद्यार्थिनी, शिक्षक व शिक्षकेतर कर्मचाऱ्यांनी सहभाग नोंदवून रक्तदान केले. यशस्वीतेसाठी प्रा. योगेश संतवाणी, प्रा. डॉ. एम. पी. देशमुख, प्रा. एस. एल. पाटील, प्रा. अतुल करोडे, प्रा. अमोल वाणी, प्रा. अक्षदा सपकाळ यांच्यासह विद्यार्थी अजय पटेल, अनंत गणगे, स्वप्निल जाधव, शुभम सुलताने, प्रणव पाटील, कौस्तुभ पाटील, प्रसाद सोनार, तेजकिरण नेवे, रेश्मा झोपे, हर्षदा झोपे, वर्षा जवरे आदींचे सहकार्य लाभले.

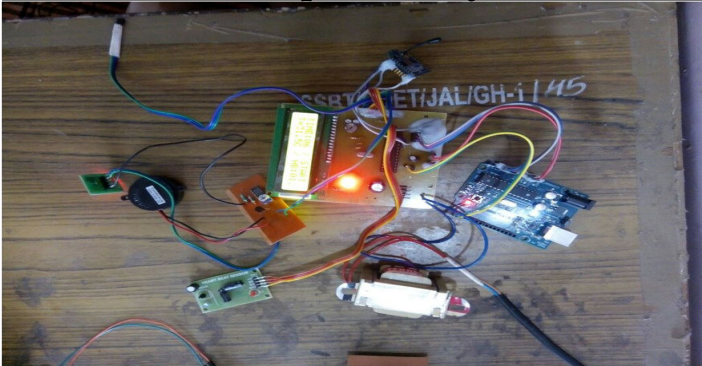
Keeping the glorious tradition of organizing an important social activity, this year too ETESA has organized "Jivan Dhara - Blood Donation Camp 2016" in association with Indian Red Cross Society, Jalgaon on dated 19th March 2016 from 10:00 A.M onwards in the Sports complex & Yoga Hall at the premises of SSBT'S College of Engineering & Technology, Bambhori. Dr.Shekhar R Suralkar, Professor & Head, E & TC Engg. Dept was the Convener of the event. The program was inaugurated with the Saraswati Poojan & Lighting of Diya in front of Deity. Dr.K.S.Wani, Principal, SSBT'S COET graced the event with his august presence. Dr.M.P.Deshmukh, Mr.N.M.Kazi, Mr.A.H.Karode, Mr.A.C.Wani, Mr.S.P.Ramteke, Mr.Y.S.Santwani, Mrs.M.T.Deshmukh were present during the event. The students were reportedly seen very enthusiastic in the camp and many students have coordinated the camp with their duties of keeping the track record of Participants, providing tea, biscuits & glucose to the donors and maintaining discipline and cleanliness during the event. A total of 179 bottles of vital fluid has been collected and was handed over to the Red Cross Society's Blood Bank. **Mr.Rubal Agrawal, IAS** & President, Indian Red Cross Society, Jalgaon & **Dr.Prasanna Kumar Redasani, Chaiman**, Blood Bank, Indian Red Cross Society have conveyed their heartfelt thanks for the commencement of such an important event. The news was published in the Marathi daily **Sakal** on dated 20.3.16 & **Divya Marathi** on dated 21.3.16. Mr.Kunal Pandey, Faculty Advisor, ETESA was the coordinator of the event. The main students co-ordinators for the event were Mr.Ananta Ganage, BE (B), Mr.Ajay Patel, SE(A).

Students Activities

Entrepreneurship Awareness Camp

17 students of SE & TE had participated in EAC organized by Department of Biotechnology held during 27.08.16 to 28.02.16 in AC Seminar Hall, SSBT'S COET.

IEDC Sponsored Project



"Designing of wearable sensor for monitoring human activity" had received a grant of 01 Lakhs vide letter no COET/IEDC/001/09/2015. The project partners are Divya Oza, Amanpreet Lamba, Nazia Haji & Ashwini Jalankar from Final Year E & TC. The project was guided by Prof.N.M.Kazi.

Student's Achievements



Kshitija Dahale, Swati Thak, Pragati Ingle, Aarti Ranka & Kanchan Chavan of Final Year A Division had participated and secured 02nd position in Project Competition held under **Telekinesis 2K16** on 16 & 17 March 2016 in K.K.Wagh Institute of Engineering Education and Research, Nasik. **Sarita S. Warke, Ankita Deore, Pooja Jawale & Shital Patil** had participated and presented the research work in the theme area Engineering & Technology (Automatic Electronics Ration Distribution System) under the category U.G and received First prize at the 10th Maharashtra State Inter University Research convention "**Avishkar 2015**" organized by Savitribai Phule University, Pune during January 10-12, 2016. *Designing of wearable sensor for monitoring human activity* had received First Prize in **Shodh Prakalp 2016** organized by IEDC, SSBT's College of Engineering & Technology, Bambhori, Jalgaon on 11th April 2016. The project partners are **Divya Oza, Amanpreet Lamba, Nazia Haji & Ashwini Jalankar** from Final Year E & TC. The project was guided by Prof.N.M.Kazi. *Industrial based smart wireless fault finding and monitoring system at remote location* had received Second Prize in **Shodh Prakalp 2016** organized by IEDC, SSBT's College of Engineering & Technology, Bambhori, Jalgaon on 11th April 2016. The project partners are **Umesh Patil, Harshal Deshmukh, Gaaurav Palaskhedkar & Ankush Naik** from Final Year E & TC. The project was guided by Prof.N.M.Kazi.

Alumni Guest Lectures

S.No	Academic Year	Name of Alumni	Company	Topic	Date
1.	2015-16	<u>Mr.Imran Khan</u>	Indian Railways, DRM Office, BSL	Emerging trends in Communications	06.4.16
2.	2015-16	<u>Mr Akshay Chaudhari</u>	Supreme Industries Ltd.	Emerging trends in electronics	06.4.16
3.	2015-16	<u>Mr Ashish Pahurkar</u>	Dy.GM, TPS, Korade, Nagpur	Switch gear & relay testing	26.2.16
4.	2015-16	<u>Mr.V.S.Mahajan</u>	SDE, BSNL, Jalgaon	Mobile communication & 4G technology	13.2.16
5.	2015-16	<u>Mr.Atul Borkar</u>	Technical Head, Trans-Automation, Ahmedabad	Exploring open CV for video & image processing	23.2.16

Campus Selection

Adding volumes to the total number of campus placed students, 66 students have been placed in various campus interviews in the academic year 2015-16 so far. This year too, our students performed well and were placed in various companies the details of which is given as under

BDS Digital Technology & Solutions, Mohali(18 Jan 2016)

1. Ms.Rutuja Meshram
2. Mr.Aziz bharmal
3. Ms.Sanskriti Borse
4. Ms.Sayali Ramesh Patil

Fairdeal Power, Parwanoo, H.P (20 Jan 2016)

1. Ms.Ashwini Bagul

CapeGemini (23 Jan 2016)

1. Mr.Aziz Bharmal

Shriram Group of Companies(21 April 2016)

1. Mr.Sanket Kulkarni

AGS Transact Technologies, Mumbai

1. Ms.Pratiksha Badgujar
2. Ms.Sayali Narkhede
3. Ms. Chaitali Mansute
4. Ms.Shaila Patil & 17 more...

Vighnaharta Securities Automation & Security systems Ltd.Pune (27 Jan 2016)

1. Mr. Dipendu Senapati
2. Ms.Poonam Borse & 3. Ms. Pratiksha Badgujar

CMC Limited, Mumbai

1. Mr. Mohsin Khan
2. Mr.Nilesh Jadhav'
3. Ms. Madavi Kotwal
4. Ms.Sneha Gade
5. Ms.Pratiksha Badgujar
6. Ms. Charmi Sah
7. Ms.Chaitali Mansute
8. Ms.Kavita Mali
9. Mr.Lalit Zambare & 15 more...

UG Section

PG Section

Result at Glance (Exam held during April May 2016)

Submission of Dissertation

Final Year (A Division)

Aziz Bharmal 1st (8.96 CGPA)	Ashwini Marathe 2nd (8.25 CGPA)	Sanket Kulkarni 3rd (8.00 CGPA)
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Final Year (B Division)

Aishwarya Patil 1st (8.83 CGPA)	Anjali Patil 2nd (8.7 CGPA)	Sonal Patil 3rd (8.68 CGPA)
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Third Year(A Division)

Harsha Laddha 1st (8.7 CGPA)	Hemant Mahale 2nd (8.65 CGPA)	Snehal Chopade 3rd (8.57 CGPA)
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Third Year(B Division)

Gayatri Badgajar 1st (9.17 CGPA)	Surbhi Patil 2nd (9.13 CGPA)	Rajeshwari Patil 3rd (8.91 CGPA)
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Second Year(A Division)

Lochana Rade 1st (9.03 CGPA)	Mamta Ghule 2nd (8.39 CGPA)	Rasika Baviskar 3rd (8.29 CGPA)
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Second Year(B Division)

Komal More 1st (8.85 CGPA)	Shital Bhosale 2nd (8.63 CGPA)	Kirti Chaudhari 3rd (8.61 CGPA)
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Following students have submitted their dissertation for PG in January 2016. Beneath is the details of their thesis along with their respective project title and guides.

1. Pankaj A Patil (OPTICAL CHARACTER RECOGNITION SYSTEM FOR MODI SCRIPT) Prof. S. P. RAMTEKE

2. Priyanka Prabhakar Koshti (IMPLEMENTATION AND ANALYSIS OF MODIFICATION IN RSA ALGORITHM) Dr. U. S. Bhadade

3. Medha Jayant Patil (IMAGE PROCESSING BASED PARALLEL MANIPULATOR FOR SOLAR CELLS ASSEMBLING) Dr. M.P. Deshmukh

4. Sonal Satish Pardeshi (REAL TIME MONITORING AND CONTROLLING OF ROBOT FOR HUMAN SECURITY) Prof. N. M.Kazi

5. Neha Durgadas Patil (INTELLIGENT LIGHTING SYSTEM WITH ENERGY EFFICIENCY AND USER SATISFACTION) Prof. A. C. Wani

6. Harshal Arun Dahake (ADVANCE MESSAGING SYSTEM USING BRAILLE PAD FOR BLIND PEOPLE) Dr. P. H.Zope

7. Jinal A. Shah (BRAIN TUMOR DETECTION FROM MAGNETIC RESONANCE IMAGES USING FUZZY C-MEANS SEGMENTATION) Dr. S. R. Suralkar

8. Priyanka D Girase (EEG BASED BRAIN MACHINE INTERFACE CONTROLLING AND PROCESSING) Dr. M. P. Deshmukh

Heartiest congratulations to them on behalf of Head, faculty members and best wishes for their career.

News of M.E. Project in Marathi Daily Sakal

दिव्यांगमधील संवादासाठी लघुसंदेशाचे उपकरण

एसएसबीटी अभियांत्रिकीच्या विद्यार्थ्यांचे अनोखे संशोधन



संवाद यंत्रणा
 जळगाव, ता. २२ : दिव्यांग व्यक्तींसाठी आधुनिक संवाचा वापर सहजतेने करायला याबाबतचे प्रयत्न सुरु आहेत. एसएसबीटी अभियांत्रिकीच्या विद्यार्थ्यांनी याबाबतचे संशोधन करून एक उपकरण तयार केले आहे. हे उपकरण लघुसंदेशाचे वापर करून दिव्यांग व्यक्तींमध्ये संवाचासाठी उपयुक्त ठरणारे आहे.

अंध व्यक्तींमध्ये आत्मविश्वास
 उपक्रमाचे सार : दिव्यांग व्यक्तींमध्ये आत्मविश्वास आणणे हे प्रमुख उद्देश्य आहे. या उपकरणाचे वापर करून लघुसंदेशाचे वापर करून दिव्यांग व्यक्तींमध्ये आत्मविश्वास आणणे हे प्रमुख उद्देश्य आहे.

दिव्यांग व्यक्तींच्या संवाचासाठी उपकरण
 दिव्यांग व्यक्तींच्या संवाचासाठी उपकरण तयार केले आहे. हे उपकरण लघुसंदेशाचे वापर करून दिव्यांग व्यक्तींमध्ये आत्मविश्वास आणणे हे प्रमुख उद्देश्य आहे.

जळगाव : दिव्यांग व्यक्तींसाठी रोबोटिक लघुसंदेशाचे उपकरण
 दिव्यांग व्यक्तींसाठी रोबोटिक लघुसंदेशाचे उपकरण तयार केले आहे. हे उपकरण लघुसंदेशाचे वापर करून दिव्यांग व्यक्तींमध्ये आत्मविश्वास आणणे हे प्रमुख उद्देश्य आहे.

Prize in Yuvarang 2015

Pragati Ingle of Final year had bagged Bronze medal in University level cultural festival Yuvarang 2015 in the category Mimicry held during 07 January 2016 to 10 January 2016.

Faculty participation in Seminar & Workshops

Prof.A.H.Karode and **Prof.S.P.Ramteke** have attended 03 days National Workshop on “National Language Processing & Image Processing” (N^WNLP) held during 21 January 2016 to 23 January 2016 in North Maharashtra University, Jalgaon. **Mrs. M.T.Deshmukh** has attended 02 week workshop on “Select topics in Signal Processing and machine intelligence with hand on” held during 23 May 2016 to 03 June 2016 in C.O.E., Pune. **Prof.N.M.Kazi** had delivered a session on Research Paper Writing in MSBTE sponsored ISTE approved 01 week faculty training program on 19th January 2016 at 11:00 A.M. to 01:00P.M. in *AIAR Kalsekar Polytechnic, Panvel, Navi Mumbai*. He had delivered Guest lecture in Computer networking for 1st and 2nd shift Computer engineering students on 19th January 2016 at 02:00 P.M. to 04:00P.M. in *AIAR Kalsekar Polytechnic, Panvel, Navi Mumbai*.

Faculty publications in National/International Journals/International Conferences

Dr.S.R.Suralkar has published a paper titled “Brain tumor detection from MRI images using Fuzzy C-means segmentation” in International journal of advance research in Computer and Communication Engineering (IJARCCE), Volume 5, Issue 6, pp no 178-183, ISSN: 2278-1021(online), 2311-5940(print) in the month of June 2016. **Ms. P.D. Girase** has published a paper titled “A review of Brain Computer Interface” in International Journal of Engineering trends and Technology (IJETT) with ISSN: 2231-5381, pp 625-629 in the month of January 2016. She has also published a paper titled “Mindwave device wheelchair control” in International Journal of Science and Research with ISSN: 2319-7064, pp 2172-2176 in the month of June 2016. **Ms.S.Taori** has published a paper titled “Hardware implementation of energy efficient resource allocation in cognitive radio using Labview” in International Journal of Advance Research in Electronics and Communication Engineering (IJARECE) with ISSN: 2278-909X, Volume 5, Issue 2 in the month of February 2016. **Ms. M.Sisodiya** has published a paper titled “A new approach to channel estimation with adaptive cyclic prefix length for LTE Downlink system based on Random & SVI-3 channels” in International journal of Scientific Engineering & Technology Research (IJSETR) with ISSN: 2319-8885, Volume 5, Issue 1 in the month of January 2016. **Dr.P.H.Zope** has published a paper titled “Review on Polyaniline: Ti nanocomposite for energy application” in International Journal of Engineering, Science and Research in the month of September 2015. **Dr.S.R.Suralkar** has published a paper titled “A review on Brain Tumor segmentation techniques for MRI images” in the Conference ICGTETM held during 04 January to 06 January 2016 in SSBT’s COET Bambhori, Jalgaon. **Dr. P.H.Zope** has published a title “Image Impainting” in the conference ICGTETM held during 04 January to 06 January 2016 in SSBT’s COET Bambhori, Jalgaon. **Prof.A.H.Karode** has published a paper titled “Design and implementation of Micro strip circular patch antenna for RFID application” in the Conference ICGTETM held during 04 January to 06 January 2016 in SSBT’s COET Bambhori, Jalgaon. **Prof. A.C.Wani** has published a paper titled “Review on Energy efficient intelligent lighting system” in the Conference ICGTETM held during 04 January to 06 January 2016 in SSBT’s COET Bambhori, Jalgaon. **Mr.C.A.Patil** has published a paper titled “Multifunctional robotic vehicle for agriculture application” in the Conference ICGTETM held during 04 January to 06 January 2016 in SSBT’s COET Bambhori, Jalgaon. **Ms.P.D.Girase** has published a paper titled “A review on Brain Computer Interface” in the Conference ICGTETM held during 04 January to 06 January 2016 in SSBT’s COET Bambhori, Jalgaon.

Shodh Prkalp 2016



A University level project exhibition (*SHODHPRAKALP PRATIYOGITA 2016*) under Innovation and Entrepreneurship Development Center (IEDC) was held on **11th April 2016** in E & TC Department for UG students in which 31 Students group (135 Students) from Final Year E & TC had been participated. The judges for the event were *Dr. Jaspal Bange*, Department of Electronics, NMU Jalgaon & *Mr. V. S. Mahajan*, Divisional Engineer, BSNL Jalgaon. Mr. A. C. Wani was coordinator. The students were analyzed on the basis of their Conceptual knowledge, Viva, Presentable views and innovative ideas for the project. The First prize was awarded to the Project titled "*Wearable sensors for human monitoring activities*" which is guided by Mr. N.M. Kazi. The student group is comprised of Nazia Haji, Divya Oza, Amarpreet Lamba & Ashwini Jalankar. This project was an IEDC sponsored project worth Rs.1 Lakh. The Second prize was awarded to the Project titled "*Industrial based smart wireless fault finding & monitoring system at remote location*" which is guided by Mr. A. H. Karode. The student group is comprised of Umesh Patil, Gaurav Palashkedkar, Ankush Naik & Harshal Deshmukh.



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Former
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&
Dr. D. R. Shekhawat
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Shri. Raosaheb Shekhawat
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