



Bits & Bytes

ST. FRANCIS INSTITUTE OF TECHNOLOGY NEWSLETTER

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PRAYAS 2016



Any sufficiently advanced technology is indistinguishable from magic."

-Arthur C. Clarke

It is rightly said that some of the greatest ideas come from young minds. SFIT held its technical project exhibition "PRAYAS 2016" to give young engineers a chance to discover new realms of technology. This event was held for First Year students to trigger an invention streak in them. It took place on 2nd of March and all the interesting projects were showcased to the students as well as the faculty.



All the students started from scratch i.e. building a team, selecting the project, presenting it to the Prayas coordinators with documentation for the credibility test. Once the selection was done, students moved forward with the project, taking into consideration the comments by coordinators.

After the project was completed, the research and development phase came in to reduce cost and space and also to increase the efficiency of the project. At this stage, mentors were provided to all teams and also they were allowed to take the help of senior students as well as faculty members. Once all these stages were complete, the project was finally submitted.

On the day of Prayas, SFIT saw an exhibition of extremely innovative and diverse projects from the FE students. The faculty as well as the students could not stop admiring the well-organized and highly efficient projects. The enthusiasm and efforts taken by the First Year students were highly commendable.



SFIT has never left a stone unturned to encourage its students to explore new depths of innovation, and Prayas is one such key event to take this vision forward.

IRIS 2016 – AAMCHI MUMBAI



Mumbai, the city of dreams has a vivid charm to it. Once you have stayed in this city, no other place feels right. The hustle and bustle in the city is what makes it tick. There is something for everyone and everyone is busy. Mumbai is a city replete with chaos, a synchronized chaos. IRIS 2016: Aamchi Mumbai was a tribute to Mumbai, the city we call home.

This year, the IRIS express arrived early on campus with multiple pre IRIS events, capped off by the main event on Feb 3rd, 4th and 5th. Apart from the familiar crowd favorites of Traditional Day and Glow Night, SFIT hosted an Inter Collegiate Sports Meet 'Ignitra 2016' and a Debate competition in the build up to IRIS.

On the 3rd of Feb, SFIT celebrated its 17th Annual Day function. The chief guest for the evening was Mr. Arvindkumar Sharma, Senior Executive Vice President (Reliance Infra). Mr. GauravBhosale, founder Pro Launch Pad and 2003 Batch Alumnus was the Guest of Honour and the recipient of 'Young Achiever Award 2015-16'. Among the other notable awardees of the evening was Ms. PoojaPandit, who won the coveted 'Student of the Year' Award for 2015-16. The inauguration of IRIS 2016 saw an innovative contraption take center stage. The painstakingly micro synchronized effort was widely applauded by the audience. The cultural function revolved around 'Celebrating the Spirit of Aamchi Mumbai'.

Our students showcased their diverse skillsets in an extravagant exhibition of dance, drama and music. Each act was beaded beautifully touching different aspects of life in Mumbai covering topics like the Dabbawalas, Mumbai locals, and multicultural inhabitants to a few sensitive topics like the life of eunuchs in the city. The Stand out performance of the evening was the Neon Dance, a treat for the audience.

Post the inauguration of IRIS during the annual day, the actual slew of events ensued on 4th of Feb. A number of events spanning from gaming to arts and arcade games were conducted simultaneously. A distinct specialty of IRIS 2016 was the faculty participation in all the events. The Master Chef event was well received by the staff and saw a very tough competition. Eventually Dr. Hariprasad beat Ms. ArtiBhatnagar in an all First Year faculty showdown in the finale. Department wise faculty competition was won by the computers department in an empathic fashion, beating the EXTC, IT and FE departments. The GMPN team edged out the EXTC team in a dramatic nail biting finish in the quiz competition. Major attraction of the arcade event was 'Laser Tag' which saw a huge footfall. Other interesting events included Battle of Bands, Solo Singing, solo and group Dance competitions. Bollywood Night on 4th saw the critically acclaimed band Raahieperform a rendition of timeless Bollywood hits. EDM Night was the last act of IRIS 2016. The 'Class of the Year' award was won by TE EXTC class for 2015-16.

IRIS 2016 – AAMCHI MUMBAI



Terribly Tiny Tales Workshop held on February 5, 2016



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CLASS OF THE YEAR
आमची मुंबई

CRICKET Boys 4v4 Entry fee:- 300 Winning price 1st - 3000/- 2nd - 1500/-	TABLE TENNIS Single Double Mix Entry fee:- 50/single & 75/Double Winning price 1st - 1000/- 2nd - 500/-	BASKETBALL Inter Year Tournament Entry fee:- 200 Winning price 1st - 1000/- 2nd - 500/-	RINK FOOTBALL 4 vs 4 4 Players 2-Sub Entry fee:- 350 Winning price 1st - 3200/- 2nd - 1700/-	BADMINTON Single Double Mix Entry fee:- 50/single & 75/Double Winning price 1st - 1000/- 2nd - 500/-	VOLLEYBALL Entry fee:- 300 Winning price 1st - 1000/- 2nd - 500/-
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Farewell Batch 2016

"Every story has an end, but in life every ending is a new beginning."

-Marianne Williamson

SFIT Student Council organised the Farewell for BE students on 9th of April; it was much more than just an event as it celebrated the spirit of friendship, college life and the end of an era for these students.



The event started with a delicious lunch and an impromptu photo session with all the students dressed in their best for the occasion. This was followed by the main event that took place in the new gymkhana. The students were welcomed on a red carpet with their class photos throughout the corridor. The show kick-started with a gameshow quiz that went from level FE to BE and all the questions were about SFIT. Various spot prizes were also given, keeping in sync with the enthusiasm of BE students.

There was a special photo booth with tonnes of amusing props and a backdrop of a collage with photos of each and every BE student. Everything was taken care of, right from the perfect lighting for the photos to the clever one liner stick props. The photo booth was filled with excited students throughout the event.



There was a melodious mashup of songs by the choir which received a great applause from the audience. This was followed by the most awaited part of the evening, DJ. All students danced their worries away, celebrating the last day in college to the fullest. The evening came to a beautiful end when medals in the form of mementoes were given to the students wishing them well for the future and ensuring that a part of SFIT would always stay with them wherever they went in life. This day helped in conveying the message to BE students, that they will always be an inspiration for the younger batches, they have left their mark on

Graduation Day 2016

“Graduation is not the end, it's the beginning”

St. Francis Institute of Technology witnessed a convivial gathering of students and parents on 23rd of January honoring the batch of 2015 in a grand convocation. The event was graced by the presence of Chief Guest Vishal Mehrotra - Global Head - TCS and Guest of Honor Bro. Savarimuthu Ambrose and the delegation of Franciscan Brothers. SFIT is a cradle for competent professionals who possess a zest for learning and respect the universal values of honesty, dignity and mutual care. All these were realized on this day.



The event kicked off with lighting of the lamp by the honorable dignitaries. It was followed by a welcome speech by Bro. Melchior Tom. His words enthralled the attending students and invigorated their interest in their respective careers - " You're going to fall down, but the world doesn't care how many times you fall down, as long as it's one lesser than the number of times you get back up."



Graduation Day 2016



The honorable chief guest and the guest of honor enlightened the students with their words of wisdom. In midst of the speeches and nostalgic rekindling of students, the MC announced the distribution of certificates. Their hard work and perseverance was finally going to be rewarded with a degree in their hands. All of them took an oath to respect the dignity of an individual and the integrity of the profession. To experience the ups and downs and the cherished moments of college life, they were taken down the memory lane with a video montage of memorable moments. Feeling optimistic, the academic toppers from respective departments gave the valedictorian speech as their fellow batch mates listened in rapt silence.

"I wish can get my college days back right from day one to the convocation day. SFIT have given a lot in terms of knowledge and wisdom. The faculty has helped me in every possible way. Three cheers to SFIT. Hope I get a chance again to connect with my juniors and pass on my knowledge."

"The convocation ceremony was a day that created a lot of unforgettable memories"

It is a parent's dream to see their progeny achieve success and receive accolades on such a grand stage. Some of them expressed their views quite vividly.

"We cannot express how happy we are with what college has given to our son. It was best day for us in our life on the convocation day. We could see our son growing up and getting bigger and bigger.. We were honored with immense respect by college. All our best wishes to SFIT college."

"Seeing our son giving a speech while holding a degree in his hands made it a memorable day"

The event came to a successful end with everyone coming together for the national anthem.

Just like the Fresher's is the beginning of a student's college life, graduation ceremony is an eventful culmination of one phase of their life. It marks the beginning of a new chapter; one which requires professional pragmatism and academic prowess equally.

With the beginning of a new year, we wish the batch of 2015 a very happy and successful life ahead.

Graduation Day 2016



Robocon 2016

The SFIT ROBOCON team participated in the National Robotics Competition ABU-ROBOCON 2016, held at Balewadi Sports Complex in Pune from the 3rd of March to 5th of March 2016. The theme for Robocon 2016 was "CHAI YO".

With the tremendous increase in participation, 105 teams competed for the title this year. This was the 9th year of SFIT's participation in this prestigious competition, being one of the 11 colleges from Mumbai and the team showed their finest performance by beating S.R. Patel College of Engineering, MehsanaGujrat and giving a tough competition to MIT Pune, one of the top four teams of this year's League match. We have been ranked 26th amongst 105 teams. Considering the number of colleges participated, this year's ranking has been most encouraging. Also this year MIT ROBOCON PUNE presented our college with a memento for being a consistent participant for the past 9 years. Our Principal Dr. A. K. Sen graced the occasion and accepted the award on behalf of our college. Also Prof. Shamsuddin S. Khan accompanied the team and motivated and encouraged the whole team as he will be carry forwarding the upcoming SFIT ROBOCON TEAM.

A team of 19 members, worked hard for eight months with a single objective in mind, to win the competition and one can imagine the kind of emotional turbulence one undergoes every time the memories are brought back. The infinite learning experience, both on the technical and the managerial aspect, the art of negotiation with different people they met in the way to get their work done and the practice of working in a team and realizing the goal together as a team rather than an individual were some of the priceless things that they extracted through this competition. Their path too was full of hurdles. At times situations aroused when the whole plan crashed as their strategies failed and they were forced to start from scratch. But it was during these times that the team members took charge of their responsibilities themselves and the enthusiasm of the team was unparalleled. These moments were inspirational and were also the reason that the ship of our team propelled and survived even the worst conditions. Though the result of the competition did not land in their favor and this has been happening over the past few years, does not mean that their preparation in any field lacked. Despite of all this, the morale of the team is not down. They went there, learned a lot of new things from other teams, both technical and organizational, and will try to remove all the ills that they faced this year by proper management of time.

The problem statement (Rule book and theme) was released in mid-august 2015. The primary task on our agenda was discussing the design of their robots. The team was divided into two groups (Eco Robot and Hybrid Robot). Each team was expected to brainstorm all possible ideas and come up with designs which were approved by both the groups. The seniors were intent on giving equal time and emphasis to both the robots, something which they felt had been missed out last year.

Very few aspects of their robots were inspired by their previous year's Robots. This has been a year of major technical improvements. The branch wise list of improvements is as follows:

Mechanical:

1. Effective use of Pulley mechanism was implemented to lift the arm and was more stable and reliable compared to the models designed to implement the same in the previous themes.

2. Two motor mechanism for locomotion was implemented successfully compared to four motor mechanism used for previous theme.
3. The Hybrid robot comprised of full Aluminum structure and was lighter yet robust compared to the robots of previous year.
4. BLDC motors were introduced for the first time in order to drive the Eco robot.
5. Effective use of servo was implemented in the Eco robot for direction control.

Electronics:

1. Ultrasonic Sensor was implemented for the first time and used to maintain a distance between arm of the Hybrid robot and the surface of field autonomously.
2. Color Sensor was also implemented for the first time and used for the detection of different colored regions on the field by the Eco robot.
3. Relimate connectors were introduced in order to avoid loose connections.

Coding:

1. PID (Proportional-Integral-Derivative) algorithm was introduced for the first time and was successfully used to control the direction of the Eco robot autonomously based on the values of Line Following Sensors.
2. Data Inquisition was implemented to improve accuracy of the Ultrasonic Sensor.
3. Incremental Acceleration algorithm was implemented in order to make locomotion of the Hybrid robot better.

The team faced problems during practice sessions, due to the varying lighting conditions. This was a very disappointing moment, but they didn't lose their hope and tackled the issue wisely. They took multiple values and calibrated the sensors accordingly.

Nevertheless, they managed to build one of the most Economical Robots in the competition. Knowing what the obstacles the team had to face towards the end, the members were satisfied by the way we performed and aim towards having a much more successful run in Robocon 2017. Participating in Robocon 2016 was an immense learning experience for all of them. Their experience can be broadly divided into 2 categories, The First being Technical and the other being Management and Ethics.

By far, the most important realization for the team was "learning what to learn" and "knowing where to improve". In unanimous decision, the team decided to spend the remaining time of academics year in sharing technical experiences, helping the juniors in improving the relevant technical skills and discussing the possible technologies that can be implemented this year.

The SFIT ROBOCON team 2016 thanks everyone for the immense support shown towards the team. It was also really wonderful to receive such encouraging support from the seniors and alumni of the SFIT ROBOCON family. The support from the SFIT was great, with ROBOCON Instructor Mr. Vaqar Ansari and Staff Coordinator Mr. PramodShanbhag being very much involved in the overall process.

Inputs by SushantShetty



e -Yantra

The team comprising of KhatriNipun, JigarMistry, JevinMenezes and Vivek Shah under the guidance of Mr .Vaqar Ansari had participated in the e-Yantra Robotics Competition (e-YRC) 2015-2016 which was conducted by IIT-B,Powai.



This team is selected as one of 6th finalists out of 57 teams in the “Gas Leakage Detection” theme and has been placed at 6th position in this theme.

Colloquium on IT For Society



Figure 2: First prize Winners: Johann Barretto, Glatian Alva, Ankit Antony Anson Alappat



Figure 3: Second Prize Winners: Tanay Joshi, Adarsh Ashok, Rushvi Jain and AnkeshJha

The Information Technology department successfully conducted a two-day colloquium “IT for Society” on 29-30 th January 2016. The program was aimed at familiarizing the attendees with applications of IT in various domains and stimulating their minds towards problem solving using latest internet and communication technologies. There were around 120 participants consisting of UG, PG students as well as faculties of SFIT and various other colleges.

At the colloquium, the attendees got an opportunity to listen and interact with the renowned experts from industry and academia namely – Mr. NishitShetty, VP, Prime Focus Ltd., Mr. Sanjay Kimbahune, Mr. Dinesh Kumar Singh , Sr. Scientists, Tata Consultancy services, Dr. Joanne Gomes, Associate Professor, SFIT, Mr. AdityaPatil, VP, JP Morgan Chase, Mr. NagnathKulkarni, Sr. Manager, MTNL and Dr. ShezadTopiwala, Consultant Endocrinologist.

Colloquium on IT For Society



Also, Poster presentation competition was included in the colloquium for showcasing student's own ideas in the form of posters. The competition received good response from students community and total 22 entries were received from SFIT and other colleges. First prize was grabbed by Anson Alappat, Ankit Antony, Johann Barretto, Glatian Alva for their poster titled "Pothole detection and notification" while second prize winners were Rushvi Jain, Adarsh Ashok, Tanay Joshi and AnkeshJha –poster title "Big data analytics of Social Media".

AmeyaNadkarni, Ankit Parekh, Siddhi Parekh and Riya Mehta received third prize for "Result and Placement Analysis using Data Mining and Dashboard".

At the outset, the colloquium was a big success and enriching experience for the participants.



Start Up Saturday

The SFIT E-cell initiated the “StartUp Saturday” to encourage a discussion between budding & experienced entrepreneurs. This initiative’s purpose was to be a portal for resolving inevitable problems faced by new Startups and to brainstorm over potential opportunities to enhance one’s Startup. The target groups for this event were startups, to guide students with an entrepreneurial mindset and help them move further.

Startup Saturday is a first of its kind Startup mixer that features promising Startups from SFIT including

- Styledge - (Provides E-commerce Solutions)
- FullOnDesi.com-(Online Sales Channel)
- Cakemporos-(E-commerce website for online Cake Delivery)
- WEQ Corporation-(Multimedia Solutions)

The entrepreneurs behind each Startup get a platform to speak about the problems that they come across frequently. Also they get chance to learn many new concepts through different mentors. Students with entrepreneurial interests are invited to attend the session so that they get an idea how to start.

The first StartUp Saturday held in September 2015 was spearheaded by Mr. UdayWankawala and Mr. GauravKarkhanis.

Mr. Wankawala has been actively engaged in Start-up Eco-system and Network building in India. He has prior experience in Education, Online Learning, Marketing and Public Relations domain and Sales & Marketing consultancy for IT, ITES start-ups and is currently the associate director at UnLtd India.

Mr. Karkhanis has over 10 years of corporate experience in the diverse areas of Data Warehousing - Business Intelligence & Advanced Analytics, Consulting and IT Infrastructure. He has been the facilitator for SEED program.

The mentors for the second StartUp Saturday held in January 2016 were ShruthiPatil, an alumna of SFIT from batch 2014 who works for Iksula which is a service based company providing solutions to internet and direct commerce companies, and Chetas Das who is a colleague of Shruthi and works for Iksula as well. He is a digital marketing expert.

Call For Papers

SFIT invites researchers and practitioners to share their ideas, innovations, research achievements and solutions in fostering the advancement of communications and computing technology. We solicit original, unpublished, and innovative research work on applying any intelligent methods to all aspects around the theme of this conference. Topics of interest include, but are not limited to:

Scope and Topics:

1. Communication & Networking

Mobile Ad-hoc Networks, Modulation, Coding and Diversity, Multi-Carrier Communication Systems, Routing Protocols and QoS, Cooperative Communications, Network Security and Cryptography, Space-Time Codes, Antennas and Propagation, MIMO and Adaptive Antennas, Underwater Wireless Communications, Cross-Layer Designs, Cognitive Radio Systems and Networking.

2. Signal Processing

Audio, Speech, Image and Video Signal Processing, Signal Processing for Communications, Sparse Signal Processing, Array Processing, Multi-Dimensional Signal Processing, Wavelets and Filter Banks, VLSI Signal Processing Systems, Non-Linear and Biomedical Signal Processing, Computer Vision and Pattern Recognition, Multimedia Signal Processing, Statistical Signal Processing, Machine Learning Techniques.

3. Software & Process Engineering

Operating Systems, Analysis of Algorithms, Database Systems, Theory of Computation, Algorithmic Information Theory, Computability Theory, Mathematical Logic and Formal Languages, Compilers, Advanced Compiler Design, Programming Languages, Computer Architecture, Distributed Resource Allocation and Scheduling.

4. Applied Computing & IT

Big Data, Data Mining, Artificial Intelligence, Natural Language Processing, Computer Graphics, Neural Networks, Soft Computing, Cloud Computing, Distributed Computing, Bioinformatics, Semantic Web, Web Technologies, Ubiquitous Computing, Information Processing, Evolutionary Computing, Bioinformatics and Genetic Engineering.

5. Special Track on Digital India

Internet of Things (IOT), Next Generation Networking and Wireless Systems, Smart Cities, Smart Grid, Smart Healthcare, Human-Computer Interfaces, Remote Sensing and Surveillance, E-Learning, E-Governance, E-Commerce, E-Agriculture, Green Communication, Geographical Information Systems, Environment and Sustainability, Forensic and Privacy, Web-based Learning, Entrepreneurship & Start-up Initiatives.

All papers need to be submitted electronically through EDAS submission link:

<https://edas.info/index.php?c=22127>. The materials presented in the papers should not be published or under submission elsewhere. Once accepted, the paper will be included into the IEEE conference proceedings. At least one of the authors of any accepted paper is required to register the paper at the conference.

Call For Papers



SFIT NSS

An Awareness Campaign on Eradication of Blind Faith (AndhashraddhaNirmoolan):

An Awareness Campaign AndhashraddhaNirmoolan (Eradication of Blind Faith) was held in SFIT on 20th January, 2016. Around 35 NSS volunteers participated in the event.

Objectives:

To create awareness among the students and faculty regarding superstition.

To equip the students to fight against superstition.

Mr.S.Munde, one of the active members of Maharashtra AndhashraddhaNirmoolanSamiti (MANS) was the resource person. Various tricks behind superstition were uncovered by him to create awakening against blind faith.

Medical Check- up camp for Staff at SFIT was held on Saturday, 16th January, 2016.

Objectives:

To check overall health of the staff.

To find out whether there are any medical problems that the staff is unaware of. A team of Doctors and medical practitioners from Unicare Health Centre, Ghatkopar, Mumbai headed by Dr. SomnathRasal were the resource persons. The check up included Blood Pressure, Diabetes, Body Type, BMI and Diet Advice. About 104 staff benefitted from the medical checkup camp. Around 30 NSS volunteers helped in conducting the camp.




Orientation Workshop on 'Ph.D. Preparatory 2016'

An innovative two days orientation workshop on 'Ph.D. Preparatory 2016' for Ph.D. aspirants, first of its kind, was coordinated by Dr. (Mrs.) Joanne Gomes and Dr. C Hariprasad at St. Francis Institute of Technology (SFIT) Borivali Mumbai in association with ISTE Delhi and University of Mumbai on Jan. 8-9, 2016.

'PhD Preparatory 2016' was a primer designed for prospective PhD candidates. The objectives of this

DEPARTMENT OF FIRST YEAR ENGINEERING

Ms ArtiBhatnagar	Contributed as a member of the organizing committee for PRAYAS 2016 that was held on 2 March 2016 at St. Francis Institute of Technology
Mr. Utkal Jadhav	Coordinator for the event PRAYAS 2016 that was held on 2 March 2016 at the St. Francis Institute of Technology
Ms DeepaPanakkal	 Qualified in the MH-SET 2015 (Maharashtra State Eligibility Test for Lectureship) for the subject English

DEPARTMENT OF INFORMATION TECHNOLOGY

ITSA Activities

Date	Seminar/Workshop/Contest	Conductor
16 th January 2016	Seminar on Train Management System	Mumbai Local Train Control department (Mumbai Central)
24 th February 2016	Technical Seminar on C#	Mr. BhaveshPandya
9 th March 2016	Technical Seminar on Gamming	Mr. Karan Sequeira

Department Vision:

To create a conducive instrument for transforming the enrolled potential fresher into competent Information Technology professional or entrepreneur with integrity and ethical value state.

Department Mission:

- M1: To become unit of excellence in teaching, training, research, innovative application and extension work in IT in co-operation with various other departments.
- M2: To make knowledge and expertise accessible with various dissemination strategies, including networking with research unit, colleges, government and industry along with the motivation for self-learning.
- M3: To integrate teaching, research and practice along with higher education for generation and application of knowledge in line with emerging needs of industry, technical quality with market driven professional pursuits, programs, courses, collaboration.
- M4: To develop entrepreneur skills along with ethical and professional values among the students.

Program Education Objectives (PEOs):

- To provide students with a sound foundation in mathematical, scientific and engineering fundamentals to analyze and solve engineering problems and design as well as develop solutions for complex engineering problems and develop quest for higher education.
- To provide an environment for students to work in multi-disciplinary projects to solve the real life problems with the help of modern tools and techniques all through their professional life.
- To analyze and synthesize the information and also to work as part of different teams to enhance team building capabilities like leadership skills, managerial skills etc. for a successful professional career.
- To inculcate in students, a professional and ethical attitude and commitment, by imparting training in effective communication and technological entrepreneurial skills and to develop the ability to relate engineering issues to the broad social context and to understand social responsibilities and need for sustainable development through lifelong

Department Activity

- **'IT for Society Colloquium'** was two day colloquium held on 29th and 30th January 2016 on various topics for faculty and Students on IT in healthcare, banking ,entertainment , education, agriculture and improving the society and living along with a poster competition.
- **Ph.D Preparatory Workshop** an ISTE Workshop organised under supervision of Dr. Joanne Gomes held on 8th -9th January 2016.

Staff Activities

- Ms. VipulaRawte has secured admission in Rensselaer polytechnic Institutes of New York (USA) for Ph.D in Computer Science.
- Ms. Elizabeth George completed her M.E in Computers from St. Francis Institute of Technology in February 2016.
- Ms. NitikaRai and Ms. Amrita Mathur Attended "Train The Trainer" Workshop on Programing with Python conducted by Infosys Limited at Pune DC during 26 th to 27th Feb 2016

Staff Publications

Ms. Mrinmoyee Mukherjee	Wireless Communication Moving from RF to Optical	INDIACom-2016,IEEE international Conference on Computing for substainable global development , Delhi 16th -18th.	March 2016.
Mr. PurnimaKubde	Connecting Food Courts in Mall using Mobile App	International Journal of Computer Applications (0975 – 8887) Volume 139 – No.13, April 2016	April 2016
Ms. PrachiRaut	Study of environmental effects on Connectivity of molecular communication based internet of Nano things	WiSPNET (Accepted) will be Published in March 2016	March 2016

DEPARTMENT OF COMPUTER SCIENCE

Sr.No.	Date	Achievements	Details
G Anuradha			
1	Mar 2016	Syllabus setter of ME CMPN	Part of syllabus setting committee for Advanced Soft Computing, a subject of the revised ME CMPN syllabus, MU.
Kavita Sonawane			
1	2016	Interview Panelist	Interview panelist in PhD selection committee at SFIT and NMIMS.
2	2016	SME for PhD proposal evaluations	Subject Matter expert for PhD proposal evaluations at SFIT
3	2016	Professor at CMPN Dept, SFIT	Promoted from Associate Professor to Professor.
Shamsuddin S. Khan			
1	Jan 2016	Published paper in international conference.	“FOREX Rate Prediction using ANN and ANFIS”, IEEE International Conference on Internet of Things and Applications (IOTA 2016), January 2016.
Sridari Iyer			
1	Dec 2015	Co-authored a text book with Wiley Publications.	Dr. Kalbande, Mr. Kanade and Ms. Iyer, “Human Machine Interaction”, Wiley Publications, India.
2	Jan 2016	Conducted orientation of HMI	HMI is a core subject of the 2012 revised syllabus of BE CMPN (CBGS) 8 th Sem, MU.
Snehal Kulkarni			
1	Mar 2016	Published paper in international conference.	“Process mining for Project Management”, IEEE SAPIENCE-16, International conference on data mining and advance computing (Paper accepted)
Ankita Karia			
1	Jan 2016	Conducted C-programming workshop	Attended by FE students of SFIT and other colleges.
Priyanca Fargose			
1	Mar 2016	Published paper in international conference.	“Weather Forecasting using ANN with Error Backpropagation Algorithm”, International Conference on Data Engineering & Communication Technology. (Paper accepted)
Nathan D’Lima			
1	Jan 2016	Published paper in international conference.	“FOREX Rate Prediction using ANN and ANFIS”, IEEE International Conference on Internet of Things

Individual workshops attended:

1	29 th to 30 th Jan 2016	Dr. Kavita Sonawane	Workshop on Digital Forensics Tools: Hands on experience	Fr. Agnel Engg. College, Bandra
2	24 th Jan 2016	Nathan D'lima	International Conference on Internet of Things and Applications (IOTA 2016)	IEEE, MIT Pune
3	13 th Jan 2016	Rupesh Mishra, Aslam B Nandyal	Workshop on, "Cloud Computing"	DJ sangvi College of Engineering, Mumbai

Group Workshop attended

Workshop on "Ph.D.-preparatory" conducted by IIT on 8th and 9th Jan, 2016, was attended by Jayashri Mittal, Varsha S. Nagpurkar, Snehal Kulkarni, Rupesh Mishra, Aslam B Nandyal, Rujata Chaudhari, Pradhnya Pradhan, Varsha Shrivastava and Sneha Nikam.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION

Department Vision

To become a center of excellence globally in the field of Electronics & Telecommunication where teamwork, innovation and research are encouraged to nurture and develop graduates and post graduates with strong academic foundation and an all-round personality with ethical values.

Department Mission

1. To impart quality technical education and expose the students to the state of art technologies in the field of Electronics & Telecommunication Engineering.
2. To imbibe ethical and professional values, to inculcate the quest for higher learning and an aptitude for research for global competency.
3. To develop entrepreneurial skills amongst students to cater to the challenges of industry and society.
4. To motivate the students towards research leading to multidisciplinary innovative projects.

Workshop/Seminar/ Conference Attended

Sr. No.	Date	Name of Faculty	Title of Workshop/Seminar/ Conference	Organizing Body
1.	8 th and 9 th Jan 2016.	Ms. PallaviPatil and Ms. ShilpaChaman	Workshop on “Ph.D. - Preparatory – 2016”.	SFIT
2.	14 th March-15 th April 2016.	Ms. Jovita and Ms. Shruti	Completed NPTEL Online Course on “Basic Tools of Microwave Engineering”	IIT
3.	7 th May 2016	Mr. Jay Mehta, Mr. SandeepDhende and Ms. PallaviPatil	Seminar on “Role of Engineering in Agriculture” by Dr. Suresh Bhagwat	SFIT
4.	24 th May 2016	Mr. RamjeeYadav, Mr. Nelson Agera , Ms. Purnima, Ms. Shruti and Ms. JovitaSerrao	Seminar on “Internet of things” by SharanKantakar, Preva system (Bangalore).	SFIT

Invited Talk

Sr. No.	Date	Name of Faculty	Topic	Venue
1.	29 th Jan,2016	Mr.BhalchandraD.Go khale	Conducted session on "Telecom Network Management"	VIVA Institute of Technology

IETE Activities

Sr. No.	Title of the Program	Date	Speaker	Target Audience	Significance
1.	National Network Security Competition (NNSC 2016)	5 th and 6 th March 2016	Trained professionals from CISCO	S.E./T.E./B.E. students (50 students)	Introduction to OSI Model, Sniffing, Spoofing etc.



Place	Automation and Control Systems, Pune
Students	40 (S.E. EXTC)
Staff Accompanying	Ms. PallaviPatil Ms. Shrutidhamankar Mr. Jay Mehta
Duration	19 th March 2016



Place	Train Management System of Western Railway, Mumbai Central
Students	100 (B.E. EXTC)
Staff	Mr. Nelson Agera Mr. RamjeeYadav Ms. Purnima C.
Duration	19 th March 2016



Training & Placement Cell

1. Interaction and counseling with parents of TE students was successfully conducted during Jan. 2016
2. successfully conducted counseling for BE unplaced students who were not performing well in campus interviews during Jan. 2016
3. TCS was awarded with Best Employer award on Annual day during Feb. 2016
4. Software Testing training was conducted for students and faculties by trained faculty by Infosys.
5. New system of Video resume was introduced and video resumes were made for TE students during Feb. 2016 & sample uploaded at college website
6. Faculties were sent for Technical training on Python technology at Infosys campus Pune.
7. Briefing session on Demand and Industry practice by industry Mindcraft was conducted for TE students during March 2016.
8. Aptitude skills training was conducted for TE students by External Expert.
9. TCS has introduced internship for SE students. Our 8 students are selected for internship out of 30. During June 2016

We have introduced CSS (comprehensive score system) for students eligibility in placement & improve employability skill.

LEARNING AND INFORMATION RESOURCE CENTRE

The total collection of the library as on June 30, 2016 stands as follows:

Books - UG = 24179

Books - PG = 1097

Book Bank Books = 1250

In addition, the library houses over 54 journals in print form and more than 1000 e-journals available through online databases.

The Digital Library has an updated collection of Audio Visual materials in the form of CD-ROMs and DVDs. It subscribes to 3 online databases that provide access to nascent and scholarly information. It facilitates access to NPTEL Video Courses too.

Institute Repository on DSpace is also being updated.

Compilers: Ms. Chinmayee Bhangde (Librarian), Asst. Prof. Purnima Kubde (INFT), Asst. Prof. Sridarilyer (CMPN), Asst. Prof. Quantah Shaikh (ExTC) Lect. Deepa Panakkal, Mr. Flaviano Pegado (Research Assistant) and Ms. Prachi Kate (General Secretary – 2015-16)