ANNUAL MAGAZINE 2020

ST. FRANCIS INSTITUTE OF TECHNOLOGY

(ENGINEERING COLLEGE)

(Roman Catholic Christian Minority Educational Institute)

(Approved by AICTE & Govt. of Maharashtra with Permanent Affiliation to University of Mumbai, ISO 9001:2015 Certified)

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GAMIKA BODHA

A journey towards perception and knowledge... continues...







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Chief Editor's Message

"An educational system isn't worth a great deal if it teaches young people to make a living but doesn't teach them how to make a life."

Cometh the month of December; and almost all educational institutions are ready on war footing scale to attend to the yearly task of bringing out the 'Annual Magazine'. And, St. Francis Institute of Technology (Engg. College) is no exception.

The chief purpose of the Annual Magazine is to let all our stake holders know what's happening in the college and how it is shaping.

The Annual College magazine which is in your hand is an attempt towards that goal. A glance at the content, will reveal that it has elaborately penned down everything including every activity both academic and co-curricular, department wise.

A lot of hard work has gone in presenting this Annual Magazine, which depicts a holistic view of the college. Every article and information reported herein are written after considerable planning and thoroughness – every article is the result of adequate collection of data from various departments and committees. The coverage of the Annual Magazine is exhaustive. It is a sort of an intellectual and knowledgeable Journey of SFIT's on-going academic year. Indeed it is SFIT's Academic Calendar placed in your hand in words and visuals.

Wish you all happy reading and viewing. The Editorial Board places on record sincere appreciation and profound gratitude to all who have lent their Hearts. Heads and Hands.

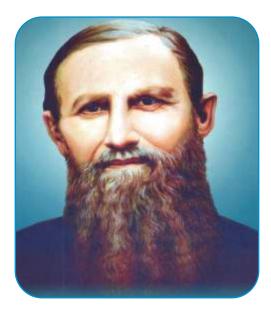
God Bless us All !!!!

Bro. Vijaykumar Pereira Chief Editor





ABOUT FRANCISCAN CONGREGATION



Brother Paulus Moritz Founder of CMSF

The Congregation of the Missionary Brothers of Saint Francis of Assisi (CMSF) was established in the year 1901 with Mumbai as its International Headquarter by Bro. Paulus Moritz, CMSF of Germany as an International, Religious, Missionary and Charitable Society. Since then, the Franciscan Missionary Brothers are involved in a variety of activities and services to humanity inspired by its Patron Saint Francis of Assisi in several countries with 71 centres in India alone. The major areas of focus include managing orphanages, schools, technical training centres, leprosy centres agricultural training farms, youth centres, clinics, dispensaries and hospitals. Their main focus in all these activities is oriented towards orphans, the poor and lower-middle class, without any distinction whatsoever. In rural area, they aim to provide primary education and an appropriate level of technological education to create self-employed persons/small entrepreneurs.

Additionally, the Society also caters to higher technical education with centres located in urban and semiurban areas with a view to create competent technical entrepreneurs and skilled professionals. In 1964, St. Francis Industrial Training Institute was started at Borivali in Mumbai. Its progression in the form of St. Francis Institute of Technology (SFIT) was established in the year 1999. Now, SFIT provides not only undergraduate engineering courses but also post graduate and PhD degrees in most coveted disciplines of engineering streams with about 2300 students on campus.

"Look after the poor, God will look after you"





OUR EMBLEM...



The Emblem or the Logo of the college reflects the basic functions, aims, objectives, ideals and aspirations of the Institute. The two hands and the wheel symbolize the transmission of knowledge of the teacher to the student and the relentless quest towards this transmission. The title "Engineering College" indicates the level at which this transmission takes place, as distinguished from other technical institutes. It also represents entrepreneurship, which is the distinctive vision of the college; to develop potential job and wealth creators as different from job seekers. Around these is printed the name of the college and the city in which it is situated. Finally the whole wheel is arched by two olive branches that represent victory as well as, peace and tranquillity; the essence of the values of the Institute's Patron Saint, St. Francis of Assisi, that the college professes and wishes to impart to its stakeholders.

OUR VISION...

To be a chrysalis where bright youngsters are transformed into technological entrepreneurs and innovative leaders of tomorrow's world, consistent with the Franciscan vision of integrity, peace and love.

OUR MISSION...

To churn highly competent engineering graduates with a commitment to result oriented work, a perennial zest for learning, a quest for excellence, an open mind and the universal values of honesty, dignity and mutual care.

OUR QUALITY POLICY...

To be the most preferred Institute of Engineering & Technology equipped with state-of-the-art facilities, to develop technically qualified techno-entrepreneurial class of value based global industry leaders, imparting comprehensive technical education, through highly competent and dedicated staff, ensuring continual improvement of QMS processes, meeting ISO 9001-2015 statutory & regulatory requirements.





ABOUT OUR INSTITUTE ST. FRANCIS INSTITUTE OF TECHNOLOGY



St. Francis Institute of Technology (SFIT) was established in the year 1999 in the midst of a generous 5 acres of lush verdant settings in order to provide a conducive environment to the young engineering aspirants, thus fulfilling the long felt public need of an Institute of Excellence in the field of engineering in Mumbai and Borivali in particular.

SFIT is approved by AICTE and is permanently affiliated to the University of Mumbai. It is a private, un-aided, self-financing, religious (Roman Catholic) minority educational institute. Currently, SFIT offers five undergraduate programs in the most coveted disciplines such as Computer Engineering, Electronics & Telecommunication Engineering, Information Technology, Electrical Engineering and Mechanical Engineering and post graduate program as well as Ph.D. (Technology) in Computer Engineering and Electronics & Telecommunication Engineering.

National Board of Accreditation (NBA) has granted accreditation to two U.G. programs i.e. Electronics & Telecommunication Engineering and Information Technology for three years till June 2022. Additionally, the institute is also certified for meeting with the Quality Management System Standards ISO 9001:2015, for providing undergraduate courses in Engineering/Technology.

The portals of this hallowed center of technological learning is spread over two wings, each having seven storied building which houses state-of-the-art infrastructure comprising of classrooms, fully equipped laboratories, computing facilities, research center, learning information resource center, auditorium, seminar rooms, canteen, gymnasium and other outdoor sports facility setting a rich milieu for both academic and extracurricular activities.

The institute achieves its mission by imparting the designed curriculum through a dedicated, qualified and experienced team of faculty members in order to develop the requisite skills and competencies in our students which would enable them to succeed in the global industry and develop themselves into leaders and entrepreneurs.





TO LEAD US...

Our Team Leaders

- Bro. Jose Thuruthiyil Director, SFIT
- Bro. Vijaykumar Periera Deputy Director
- Bro. K.C. Joseph
 Financial Administrator
- Dr. Sincy George Principal
- Dr. Kevin Noronha
 Dean Academics
- Dr. Chelamallu Hariprasad
 Dean Student Affairs
- Dr. Deepak Jayaswal Dean - PG.Program
- Dr. Uday Khot R&D Coordinator

Head of the Departments

- Dr. Kavita Sonawane (CMPN)
- Dr. Gautam Shah (EXTC)
- Dr. Joanne Gomes (INFT)
- Ms. Megha Fernandes (ELEC) (Incharge)
- Mr. Sunil Pansare (MECH) (Incharge)
- Dr. Poonam Hemnani (HSS)

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- Internal Quality Assurance Cell
- Screening Committee
- · Anti-Ragging Committee
- · Grievance Redressal Committee
- Women Development Cell
- ST/SC Committee

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- Bro. Mathew Thekkemury Asst. Superior General- CMSF & Campus Administrator
- Bro. Jose Thuruthiyil Director, SFIT
- · Bro. Vijaykumar Pereira Dy. Director, SFIT
- · Bro. K.C. Joseph Financial Administrator, SFIT
- Bro. Alphanse Nesamony Chairman, SFIMAR
- Mr. Augustine Kurias -Former Principal, Staff Training College, Reserve Bank of India
- Mr. Albert D'Souza- Chairman, Aldel Education Trust, Entrepreneur & Industrialist

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- Bro. Mathew Thekkemury Asst. Superior General- CMSF & Campus Administrator
- Bro. Jose Thuruthiyil Director, SFIT
- Dr. Sincy George Principal, SFIT
- · Bro. Vijaykumar Pereira Dy. Director, SFIT
- · Bro. Alphanse Nesamony Chairman, SFIMAR
- · Dr. S.N. Merchant Professor, Electrical Engg., IIT Bombay
- Dr. Ancy Jose Principal, Nagindas Khandwala College, Malad
- Mr. Abhijit Talukdar Founder, Attainix Consulting
- · Adv. Yogesh Naidu High Court Mumbai Legal Consultant
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- Dr. B. K. Lande Retd. Professor, VJTI
- Mr. Augustine Kurias -Former Principal, Staff Training College, Reserve Bank of India
- Mr. Albert D'Souza- Chairman, Aldel Education Trust, Entrepreneur & Industrialist





INAUGURATION OF B-WING - SFIT



SFIT inaugurated its B-wing - a marvelous seven storied structure on 29 June 2019 by Rev. Bro. Jose Valliara, Superior General - CMSF. The Blessing ceremony was conducted by Rt Rev. Barthol Barretto, Auxiliary Bishop of the Archdiocese of Bombay.

The new building houses a large auditorium, a spacious canteen and a well stocked library with a reading room. Apart from this, newer state-of-the-art laboratories, smart classrooms and seminar rooms have been set up. Plans are all set to provide the students with a research center and an incubation center to foster our vision to create innovative leaders and entrepreneurs.













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BRO. JOSE VALLIARA
Superior General, CMSF
Chairman-SFIT





6th December 2019

I am very glad to be informed of your Annual feature (magazine), caricaturing the achievements and noticeable events of the year passing by. A publication of this sort will be really worthy because of the contributions, however small they may be, being in print-form and easily available for ready reference to all who love the institute. Over the last two decades, our institute has been publishing many academic related matters of great quality and this show-case publication has been a prominent one among them. I hope, that this yearly feature will be standard and colourful with all laurels and achievement highlighted and demonstrated.

Our prestigious institute in our Mount Poinsur Franciscan Complex has been a source of high learning with apt research and innovations for the youth of our neighbourhood and beyond, is a matter of pride for us. We thank the almighty and our share-holders for guiding us through the year. My wish and prayer, is that we keep our Franciscan charisma of sharing, especially with the weaker sections and marginalised groups. May they find some space whenever we cater to the intellectual and scientific tempo of our erudite students. Let there be a spirit of 'giving to others' when you have abundance in hand and head!

Wish you every success in your onward march to excellence and achievements! May you be instruments of enlightened learning and research, guided by God's Spirit! With prayerful regards,

Yours fraternally,

Bro. Jose Valliara, CMSF

Superior General





BRO. MATHEW THEKKEMURY

Assistant Superior General, CMSF Campus Administrator





10th December 2019

I am quite pleased to learn about the forthcoming issue of the Annual college magazine. Nurturing creativity and inspiring innovation are two of the key elements of a successful education, and a college magazine is the perfect amalgamation of both. It harnesses the creative energies of the academic community, and distils the essence of their inspired imagination in the most brilliant way possible. Hence, I am delighted to know that SFIT's annual college magazine 2019-'2020 is ready for publication.

Technology is evolving at a dizzying rate and our classrooms may not be designed to keep pace with it. There may be a lot wrong in the style of education but the pages of this "Annual magazine" tell the tale of all that have been a part of what is right about the education they get in SFIT.

May all our students soar high in uncharted skies and bring glory to the world and their profession with the wings of education! I congratulate the team of students and the faculty for their tireless efforts that have come to fruition in the form of this magazine.

Bro. Mathew Thekkemury, CMSF

Asst. Superior General





BRO. JOSE THURUTHIYIL

Director, SFIT



The last two decades have witnessed the world with objectivity and transformed our approach in various fields. Education and research could not stand untouched by this trend. The current decade aspires to be a testimony to a remarkable uplift in the field of research, leading us to a wonderful era commencing 2021. Our magazine aims at exhibiting the talents of our budding engineering students, keeping in view the vision and mission of the institute.

In recent years, education, teaching-learning process and orientation in research areas have distinctly seen a fast transformation. Education, as you are aware, holds the prime importance for human resource development by empowering varied factors that affect growth in the development of a nation. We are committed to our role in imparting knowledge, creating value-based systems, processes and developing skills, ultimately resulting in the growth of the nation through increased productivity.

While repeatedly disseminating the importance of education, I must state that schools have become the most important means of transferring the wealth of knowledge and skills from one generation to another. However, the role of institutes like SFIT becomes more challenging in the modern world with innovation and technological development.

The huge mismatch between what is being taught in schools, colleges and universities and the skills and behaviors which business organizations and industries are looking for, makes graduates feel that their education is largely irrelevant to their career. Linking higher education with industry is the only way to remove this anomaly. Breaking the barriers between the industries and universities is an urgent but difficult task that has been accomplished in developed countries.

The need of the hour demands recognition of knowledge and productivity of our young and dynamic workforce, which forms the backbone of our economy. To reap the benefits of such a young workforce, reforms in the education system are imperative. Towards this, we need to bring forth new factors of production, namely knowledge, skills and technology, which could unleash the productive frontier of the economy in the most efficient and dynamic way.

Bro. Jose Thuruthiyil Director - SFIT





BRO. VIJAYKUMAR PEREIRA

Deputy Director, SFIT



With great joy and pride I pen down this short message for the College Annual Magazine (2019-2020).

This on-going academic year marks the SFIT's two decade existence and this calls for an overall and realistic assessment of its development and progress. I am immensely proud for the manner in which the college has made rapid progress in all spheres of activities.

The one singular highlight has been and is, that the focus is to encourage our students to emerge as entrepreneurs in technology and make that as their vocation.

Our insistence and thrust is that as technology entrepreneurs, they should apply the technological knowledge and skills to directly benefit the weaker sections of the society which is, in line with our Franciscan value and the vision and mission of our Founder Bro. Paulus Moritz.

I genuinely appreciate, congratulate and admire all the faculty members and students who have excelled in various activities including academics during this year.

I also wish to place on record my gratitude to the staff and students who have toiled hard to bring forth this very informative issue.

God Bless you All..!!

Bro. Vijaykumar Pereira Deputy Director - SFIT





SFIT ANNUAL REPORT 2018-2019

Dr. SINCY GEORGE
Principal, SFIT



It is my pleasure to present before you, the Annual Report of our Institute, for the Academic Year 2018-2019. Highlights about a few academic achievements in the academic year 2018-19 are as follows:

- Provisional accreditation for 03 years by the National Board of Accreditation granted till 2022 to the Department of Electronics and Telecommunication Engineering and the Department of Information Technology.
- Addition of two new core branches of engineering at undergraduate level, viz. Mechanical Engineering and Electrical Engineering.
- ☐ With two more faculty members receiving their PhD degree this year, the total PhD holders at SFIT reaches a count of 14.
- ☐ 79 faculty members have successfully completed the National Programme on Technology Enhanced Learning (NPTEL) courses and 08 faculty members of the Department of Mechanical Engineering received SolidWorks Professional Certificate.
- Received AICTE grant under MODROBS worth 7.05 lakhs and 10.4 lakhs to the Department of Electronics and Telecommunication Engineering and the Department of Information Technology respectively.
- Received AICTE grant worth 5 lakhs for 2020 International Conference CSCITA-2020 to be held on 3-4 Apr 2020.
- Successful completion of consultancy project bagged by the Department of Information Technology from Mott MacDonald Pvt. Ltd worth 6.4 lakhs.
- □ 100% final year results in the Department of Computer Engineering and the Department of Information Technology dept. and it being 94.77 % for the Department of Electronics and Telecommunication Engineering.
- 100% result in postgraduates program offered by the Department of Electronics and Telecommunication Engineering and the Department of Computer Engineering.
- ☐ 75.7 % of students were placed and the highest package offered this year being 15.93 lakhs.
- 16 research scholars are registered for PhD under the able guidance of 5 PhD guides.
- Formation and registration of SFIT Alumni Association.

A few remarkable **students' achievements** are:

☐ Mr. Harsh Jalan, Mr. Arbaz Khan, Ms. Anushka Kamat, Mr. Vinit Masrani, Mr. Sunny Dsouza and Ms.





Yashvi Desai won First prize with a cash award of Rs. 75000 in Smart India Hackathon 2019 held in Bhopal, Madhya Pradesh.

Mr. Ameya Sardesai, Mr. Glenn David, Mr. Deveresh Kachalia, Mr. Sougat Ganguly, Ms. Rutuja
Chaudhary, Mr. Ramesh Chudhary, Mr. Aditya Panchal, Mr. Aditya Gholkar along with Mr. Nandkumar
Naghothkar (Faculty member) won First prize with a cash award of Rs. 2,00,000 in SOLIDWORKS
xDesign Challenge for INDIA 2019.
Mr. Ian Rodrigues won a Gold Medal at senior National Kickboxing Championship.
33 students successfully completed the NPTEL courses
13 students from the Department of Mechanical Engineering received SolidWorks Professional
Certificate.
165 students completed Certificate courses in 2018-19
07 students completed International Internship and 55 students completed National Internship.

SFIT has always believed in providing students with the best education beyond just classroom learning. To fulfil this objective, the Institute has associations like **Entrepreneurship Cell and RadLab** where students get an opportunity for hands-on experience within their area of interest. Apart from these platforms, through ROBOCON, E-Yantra, **students chapters of professional bodies** like IEEE, IETE, ISTE and CSI, **local student chapters** like CODEX in the Department of Computer Engineering, ITSA in the Department of Information Technology, MESA in the Department of Mechanical Engineering and EESA in the Department of Electrical Engineering, students organize and participate in various activities like seminars, workshops, industrial visits, intra and inter-collegiate competitions. At SFIT, we also realise the importance of extracurricular activities and so, we provide opportunities to our students to participate and organize various sports activities.

The Institute believes that a good start and strong foundation always helps. To apply basic science into practical field, a poster presentation and project contest "PRAYAS 2019" was organized exclusively for our first year students. It was followed by "PRAGATI"- the prestigious Annual Technical Innovation Competition which was organized in March 2019 wherein around 40 student groups participated by creating innovative projects which would benefit the society. This was followed by "UNNATI"- a Business Plan workshop which was held in September 2019 with 30 participants getting an enriching experience.

The Institute has an **NSS unit** comprising of 100 student volunteers, who arranged nearly 31 programs such as Beach clean-up drive, celebrating International yoga day, Tree plantation drive, school dropout survey, organ donation campaign this year.

The Academic Year 2018-2019 saw a significant improvement in the **Training and Placement activities and achievements**. The number of offers increased from 330 in 2017 -2018 to 375 in 2018-2019. The technical certifications number increased from 42 in 2017-18 to 180 in 2018-19. The Institute witnessed more than 90 companies visiting the campus for recruitment. Some of our major recruiters this year were Tata Consultancy Servives, CapGemini, L&T Infotech, Siemens, MAQ Software, Reliance Industries, Xorient, BNP Paribas, Direct-i, Wipro, Tata Communications, Infosys, Cognizant, Hexaware to name a few. On behalf of SFIT, I take this opportunity to thank them all for their support.





To make our students are Industry ready and to enhance their practical knowledge, various **skill training** initiatives are been undertaken. This year, a one week summer training program was conducted for the first year students, various certificate courses on topics such as Machine Learning, IoT, Solidworks etc. were held during summer vacations. The students are motivated to take up summer or winter internships at various industries.

Our management believes that **continuous faculty training and upgradation of knowledge** is needed and hence motivate the faculty for higher studies and to organize and attend short term training programs, workshop etc. Our Institute has been recognized as the local chapter for NPTEL under IIT Madras. We regularly organize Faculty Induction Program, orientation programme etc. for upgrading our teaching quality.

To pursue our goal in the direction of **innovation & research**, the R&D center provides constant motivation and support to the faculty members. We have completed 8 Minor Research and Development projects from University of Mumbai in the Academic year 2018-2019 with a total grant of Rs. 2,50,000 and successfully completed consultancy project worth 6.4 lakhs. Faculty and students have presented and published 41 papers in National/International Conferences and Journals.

To connect students with Industry, the **Industry Institute Interaction Cell** was formed in the year 2018 to provide assistance and guidance to students to undertake internship programs during vacations.

The management and teachers work hand in hand for progress of students. I express my deep gratitude to the management, Superior General Bro. Jose Valliara and his team for their unfailing support in all these activities. SFIT staff and students meticulously plan and execute various events in order to make everything look as seamless as possible. I thank them for their sincere efforts.

On behalf of the entire fraternity of SFIT, I, Principal of the Institute, Dr. Sincy George welcome parents, Industry and Alumni to partner with us to fulfill our vision.

Dr. Sincy George Principal, SFIT





DEPARTMENT OF COMPUTER ENGINEERING

With an objective of producing and nurturing the Computer Science professionals, future technological entrepreneurs and early researchers, Department of Computer Engineering started its journey in 1999. It is a pleasure to Head the Department of Computer Engineering with the prime responsibility of empowering our students towards all-round development by nurturing them with multi-dimensional skill sets. Being the heart of our Institute SFIT, giving strength, motivation, ethical values to our young aspiring engineers besides technical and professional skill sets are also our primary focus. We always encourage our students to be socially aware, responsible, committed, and to become smart citizens of today's era.



Dr. Kavita Sonawane Prof. & Head - CMPN

Department Vision

The vision of computer science program at SFIT is to continuously improve its educational environment to nurture future technological entrepreneurs and researchers, with strong emphasis on ethics and professional code of conduct.

Department Mission

- To produce quality computer science professionals with sound conceptual and practical skills, having a sense of social awareness and responsibility.
- To inculcate amongst the graduates a knack of lifelong learning and critical thinking, leading to generation of new knowledge and its dissemination, through innovative research and development.

Department Achievements

In line with the department vision, CMPN Department has produced many young entrepreneurs right from its inception. To name a few:

- ☐ Mr. Glenn Gonsalves (2010 batch) has his own start-up. http://www.superseedbox.com
- ☐ Mr. Yash Gokhale and Ms. Sania Furtado of 2015-2016 batch are partners in e-commerce venture, cakemporos.in.
- ☐ Ms. Jessline Cutnhino (2016 batch) has her own start-up, Royal Nesher https://royalnesher.com/.
- ☐ Mr. Ghanshyam (2016 batch) has his own start-up, FrostOx (Web Development).
- ☐ Ms. Shaini 2015-2016 batch own start-up, Giftitions.





The Department has well furnished and spacious laboratories as per AICTE norms with all advanced software. The teaching faculty is highly qualified and involved in research and development. Some of their achievements of academic year 2018-2019 are -

- ☐ Dr. Kavita Sonawane and Ms. Vincy Joseph have received Minor Research Grant from University of Mumbai.
- ☐ Dr. Shobha Tyagi has recently completed her PhD and two faculty members are pursuing Ph. D. Many faculties have completed NPTEL certification courses with appreciable grades.
- Department has undertaken 03 Institutional Research proposals on "Online Leave Management system for SFIT", "Railway Concession Processing at SFIT" and "Document Reviewer".
- 15 papers have been published by faculty members in reputed journals and conferences, out of which two research papers are Scopus indexed..
- ☐ Ms. G. Anuradha and Ms. Vincy Joseph have authored a book on *Machine Learning*.
- Securing 100% results consistently for graduating batches 2017-18 and 2018-2019

The Department also focuses on quality teaching and learning process and regularly organizes various faculty development programs for teaching and non-teaching staff, thus enhancing growth of the students and faculty. Some of the short term courses organized by Computer Engineering Department are:

- ☐ Workshop on "Upgrading Technical Skill-Sets" from 17 21 Dec 2018 for Technical Staff
- ☐ AICTE-ISTE Approved STTP on "Transformational Ladder to Digitize India" from 2-6 July 2018
- Second Intercollege BE Project Competition "Prakalp" in April 2019







The students of CMPN department have consistently excelled in the highly competitive industrial environment. To name few:

- Harsh Jalan and Suraj Negi students of BE CMPN have conducted various workshops in the area of Artificial Intelligence, Machine Learning and Data Science at IIT B, IIT Madras and Techno India (Kolkata)
- □ Sougat Ganguly and Rutuja Chaudhary students of TE CMPN were part of winning team of 11 members participated in the online design competition 'xDesign Challenge India 2019'. They won a prize money of rupees 2 lakhs.
- □ Silicon Tribe Team comprising of Vinit Masrani, Arbaz Khan, Harsh Jalan, Sunny Dsouza, Anushka Kamath, Yashvi Desai secured 1st position in "Smart India Hackathon 2019" under Kotak Mahindra Bank and was awarded with an amount of INR 75,000/-.
- ☐ Final year student Ian Rodrigues achieved Gold medal at Wako India Senior National Kickboxing Championship 2019, also got selected to represent India at WAKOSenior World Championshiop at Antalya, Turkey.







Our Shining Stars Toppers in the Academic Year 2018-2019

SE Toppers



Darrel Noronha CGPA 10



Smita Deulkar CGPA 10

TE Topper



Roshal Moraes CGPA 9.925

BE Topper



Talisha Tanna CGPA 9.85





CODE-X

Code-X is a CodeChef student chapter of CMPN Department, which was formed in 2017 with a vision to transform students to be intellectual coders and thinkers who can proficiently solve problems using state-of-the-art technology. The objective of this student chapter is to enhance scientific knowledge and education directed towards the progression of technology and professional skills of computer science and augment analytical and logical problem-solving skills through innovative coding practices. Currently, there are 25 members in the team headed by staff coordinator Mr. Rupesh Mishra.



- A hands-on workshop on "Blockchain" was conducted on 28-29 Sept 2019. Industry experts, Mr. Vikash Kumar and Mr. Jetso Analin being the resource persons. A total of 43 students participated in the workshop.
- ☐ The JavaFx-MySQL-JDBC workshop was conducted for the Second year Computer Engineering students on 21 Sept 2019. The speakers were Mr. Sahil Nirkhe (President of Code-X), Mr. Manas Acharya (Joint Cultural Secretary, SFIT Student Council), and Mr. Sanket Dalvi (Technical Secretary, SFIT Student Council). Atotal of 90 students participated in this workshop.
- Three technical events for MOSAIC 2019, viz. TriVizaRd Challenge, A.I. Apocalypse and Bandersnatch









DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

The department was established in 1999, with a sanctioned intake of 60 for the undergraduate Bachelors program. Over the years, we have been striving hard pursuing our vision to become a centre of excellence, by upgrading the qualifications of the faculty, promoting research and developing the infrastructure. In 2010, the sanctioned intake was increased to 120 for the undergraduate Bachelors programme. Slowly but steadily, we have grown by introducing the postgraduate Masters program in 2012 and Doctoral programme in 2015. The UG program is accredited upto June 2022.



Dr. Gautam Shah Prof. & Head - EXTC

Department Vision

To become a center of excellence globally in the field of Electronics and 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

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

Department Achievements

- The department focuses on quality teaching and learning process and regularly organizes various faculty development programs for teaching and non-teaching staff. A short term training program on "Embedded Systems & Internet of Things" was organized from 17 21 June 2019.
- The department has received MODROB grant of Rs. 7.05 lakhs from AICTE to modernize the Data Communication and Networking Laboratory.





- The faculty members of Department are constantly climbing the academic ladder and over the years four of the five faculty members sponsored by the institute, has successfully completed their doctoral programs.
- Faculty members are presenting and publishing research work in national/ international conference like NCC, INDICON, TENCON and journals like IEEE, Elsevier and Springer. Many of the department faculty members have attended STTP on various topics such as Antennas, Machine learning and Internet of Things. Some of our faculty members have completed NPTEL courses successfully.
- ☐ Faculty members have delivered invited talk in conference and in other institutes.
- To nurture quality education, the Department continuously encourages students to participate in Cocurricular and Extra Curricular activities. To fill the gap between industry and academics, students are undergoing various Industrial Training programs, Internships in Industries like ONGC, Vivid Bharti, Network Intelligence India Pvt. Ltd., Signellent Technology, and Quomeck Technologies.
- Students also participate in skill development programs organized by Government of India like Pradhan Mantri Yuva Yojana. Students have undergone various NPTEL courses conducted by different IITs which are organized by Ministry of Human Resource Development.







Students are actively participating in various technical events like Project competition, Paper Presentation & Technical workshops. To name a few:

- Yashvi Desai stood 1st in Smart India Hackathon Competition held on February 2019 at Sagar Institute of Research & Technology, Bhopal.
- Aakash Salunke, Trilok Sawant, Ashley Samkutty stood 1st in Smart India Hackathon held on February 2019 at Rajiv Gandhi Institute of Technology, Mumbai.
- ☐ Trilok Sawant, Aakash Salunke, Ashley Samkutty stood 1st in UTSAV Tech-Fest 2019, Tech Paper Presentation and Project Competition held on 8th February 2019 at L R Tiwari College of Engineering, Mumbai.
- Aakash Salunke, Ashley Samkutty stood 1st in OCULUS 2019, Project Competition held on January 2019 at Bharatiya Vidya Bhavans Sardar Patel Institute of Technology, Mumbai.
- Ashley Samkutty, Aakash Salunke, Trilok Sawant stood 1st in PRAGATI 2019, Business Plan Competetion held on 15th March 2019 at St. Francis Institute of Technology, Mumbai.
- Aakash Salunke, Trilok Sawant, Ashley Samkutty stood 1st in PSRES 2019, National Level Paper Presentation held on 22nd March 2019 at K K Wagh Institute of Engg. Education and Research, Nashik.
- Trilok Sawant, Ashley Samkutty stood 1st in Bizence 2019, National Level Business Plan Competition held on 13th March 2019 at SIESGST Nerul, Navi Mumbai.



Our Shining Stars Toppers in the Academic Year 2018-2019

SE Toppers



Pooja Chavan CGPA 9.845

TE Topper



Pragya Singh CGPA 9.145

BE Topper



Mitalee Main CGPA 9.17





DEPARTMENT OF INFORMATION TECHNOLOGY

Information Technology (IT) has reshaped many aspects of human life in the last few years through the use of E-commerce, Cloud-computing and IoT. The advances in IT continue to change industry automation through upcoming datacentric technologies. Taking into account the needs of the industry and our institute's constant endeavor to produce entrepreneurs and employable IT engineers of high quality, the Department of Information Technology was established in the year 1999 to transform the enrolled potential fresher into competent IT professionals or technological entrepreneurs. The department has the state of art infrastructure and well-equipped laboratories with updated licensed software. Moreover Institute has also signed the Microsoft Academic Alliance Program which gives access to all the latest software by Microsoft. The Department is provisionally accredited by NBA till year June 2022.



Dr. Joanne Gomes Prof. & Head - CMPN

Department Vision

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

Department Mission

- To become unit of excellence in teaching, training, research, innovative application and extension work in IT in co-operation with various other departments.
- ☐ 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.
- ☐ 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.
- To develop entrepreneur skills along with ethical and professional values among the students.

Department Achievements

The department has always been on a high growth path and has given many rank holders and highest number of placement with student of IT department, Nirantak Raghav securing highest package in batch of year 2018-19.

In line with the department Vision, IT department has produced many young entrepreneurs right from its inception. To name a few:

- Mr. Rohan Asthana (Onbac)
- ☐ Mr. Jitendra Purohit (Daten & Wissen https://www.daten-wissen.com)





- ☐ Mr. Tarun Yadav and Rahul Walder (https://www.stivouch.com)
- Mr. Yash Dedania (Finity Software Solutions https://finitysoftwaresolutions.com),
- ☐ Mr. Morgan Silveria, Stefen Rosario (Supreme Web Tech Solutions) https://swebtech.co.in).

The department provides a conducive environment for research and encourage both staff and students to undertake various research-based projects. The major achievements in the academic year 2018-2019 are—

- The department has achieved AICTE grant of Rs.10,82,000 for the completion of MODROB Lab on Modernization and up gradation of Computer Network laboratory.
- Department faculty members, Dr. Joanne Gomes, Ms. Nitika Rai and Ms. Mrinmoyee Mukherjee have successfully completed consultancy project by Mott-Mcdonald Pvt.Ltd, Mumbai worth Rs. 6.4 lakhs.

The faculty members of IT department are highly qualified, competent and research-oriented, who continuously strive towards new technology. It is showcased by various research grants received by faculty members from Mumbai University. Some of them are —

- Dr. Prachi Raut: IoT-based Automated billing and checkout system for supermarkets (Rs. 40,000)
- Ms. Sonali Vaidya: 3D Architectural Blueprint (Rs. 25,000)







- Ms. Prajyoti Lopes: Multipurpose vehicle hovercraft for military application (Rs. 35,000)
- Ms. Grinal Tuscano: Automatic dam Shutter mechanism for flood controlling and irrigation using IoT (Rs. 35,000)

While studying at the department, the students are also encouraged to apply research-based approach to solve real life problems, which is evidenced by increasing number of research publications by students in reputed journals and conferences.

The students of IT department have actively participated in various inter and intra college competitions. Two project groups under the mentorship of Dr. Nazneen Ansari and Ms. Amrita Mathur were selected among the finalists of E-Yantra Idea Competition organized by IIT Mumbai. Students have also secured position in various inter-college project and poster competitions.

The department regularly organises industrial visits and an annual Colloquium - IT for Society.







Our Shining Stars Toppers in the Academic Year 2018-2019

SE Toppers



Sumedha Grover CGPA 9.77

TE Topper



Neel Shelar CGPA 9.54

BE Topper



Megha Chovatiya CGPA 9.375





IT Student Association (ITSA)

For the overall development of students, Department has formed the student forum "ITSA" (IT student Association), which organizes various activities like workshops, industrial visits, quizzes and debate competitions under its banner. Presently, ITSA is chaired by Dr. Joanne Gomes, HOD-IT. The current student member strength for the academic year 2019-20 is 11, under the guidance of Ms. Grinal Tuscano and Ms. Shree Jaswal.

The objectives of ITSA are-

- Inspire, Enable, Empower and Energize our student members to enhance their technical interests
- ☐ To bridge the gap between academic and industry through organizing regular events/seminars/workshops
- To organize technical awareness programs for young professionals specifically target for placement activities
- To kindle students interest for research activities and projects



ITSA organized the following programs during the year 2018-2019 -

- Industrial Visit to NUOS Home Automation on 21 Aug 2019 for TE students
- Workshop on "Advanced SQL" was conducted on 24 Aug 2018 by industry expert, Mr. Nilesh Bane
- Seminar on "Industry 4.0 and other contemporary ideas" on 28 Sept 2018 by Dr. Prachi Raut
- Workshop: Data Integration using Pentaho on 16 Mar 2019
- Intra-Department Debate Competition on 20 Mar 2019 with the aim to improvise their critical thinking and presentation skills





DEPARTMENT OF ELECTRICAL ENGINEERING

The prime motto of the department is to provide quality education through the student-centred teaching methodology. The excellent infrastructure, experienced and dynamic faculty guided by the college Principal, Dr. Sincy George are the strengths of the department. The students are given a strong foundation in Electrical Engineering along with the problem-solving techniques. The department encourages our students to develop new project ideas, which would be useful in the day-to-day life. They are also encouraged to undergo winter/summer internship in companies related to electrical stream.

In a nutshell, the department is a motivation to the Electrical Engineering students in shaping up their destiny by keeping high aims of global competitive technocrats. The universal human value education and social outreach programs in the college mould our students as good Samaritans of our country. Various seminars, industrial visits and guest lectures are arranged in the department to bridge the gap between the academics and industry.



Ms. Megha Fernandes Incharge Head - ELEC







The Department of Electrical Engineering continuously strive to cater every student with knowledge complemented with state-of-the-art Laboratories. It also focuses and closely monitors the growth and development of students as individuals and as a part of team.

The Department also organizes Parent Teachers Interaction to interact with parents of the students and together contribute in the overall development of the students.

Electrical Engineering Students Association (EESA)

The Department has formed the student forum named "Electrical Engineering Student Association (EESA)" with the following objectives:

- ☐ To further the knowledge and awareness in the field of Electrical Engineering through meetings, discussions and the quizzes.
- To develop leadership and initiative, and to inculcate a sense of responsibility amongst the members of the Association

EESA aims is to organize student-centric activities like arranging expert lectures, arranging talks for students opting for higher studies and preparing for competitive exams, interdisciplinary programs, quizzes, product and project demonstration, social as well as non-technical activities and help to publicize various research activities within the department.

Some of the recent events conducted include -

- A one-day seminar on "Conventional Power Generation" was organized on 14 Sept 2019. The eminent speakers Mr. J. D. Kulkarni from Diliigent Power, Mr. James Fernandes from TATA Power, Mr. George Sebastian from NPCIL spoke on the topics Thermal power generation, Economics of power generation and Nuclear Power generation, respectively.
- ☐ "EESA's Castle" An multi round quizzing contest was organized as a part of MOSAIC 2019. The winners were from First year IT B class.





DEPARTMENT OF MECHANICAL ENGINEERING

I believe our students of Mechanical Engineering have a strong foundation available at SFIT for launching their careers. We are just one year old department, we are in a developing stage. Experts say that teachers are the backbone of any educational institute. Our department have the presence of both experienced and young teachers. We are from different core fields like Mechanical Design, Manufacturing, Thermal Engineering and CAD/CAM. Most of us are actively involved in research too. I am sure this will benefit our students in their academics and research-related activities. Various labs are being developed. We are putting a lot of efforts in providing students with the best of equipment and machines.

I am sure that our laboratories are going to be one of the best in the business. In these labs, students will get a first-hand experience on the latest technology. For example, they will be trained on CNC Lathe Machine available in our Machine Shop. In order to provide a hands-on experience, we have started a program called "Introduction to Automotive Technology" for our SE students. This course helps them understand the current technology trends in Automobile industry. Probably, they also will understand how the trends are likely to change in the future.



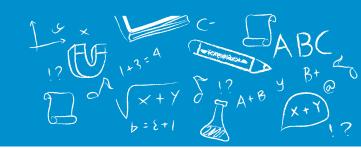
Mr. Sunil Pansare Incharge Head - MECH

Department Achievements

With just two years of inception, the students of Mechanical Engineering Department have walked to remarkable achievements. To list few:

- Mr. Nandakumar Nagothkar, Asst. Professor was mentor for the SFIT Students' team who participated in Solid Works xDesign Challenge for INDIA 2019. This team won a 1st prize, of Rs. 2,00,000/-, at National Level.
- Five teachers ,two Lab Assistants, 12 SE and 2 FE students cleared internationally recognized Professional and Associate Level Certification Examination of SolidWorks.
- 17 of SE Mechanical students participated in an American Society for Mechanical Engineers (ASME) Design Competition held at Raisoni COE Nagpur and one of the groups even won the first prize there.
- Mr. Bysani Malakondalah attended two STTPs on Universal Human Values and delivered series of lectures for FE teachers and students on the same topic







Mechanical Engineering Student Association (MESA)

In order to give students exposure to "real world", Department has formed Mechanical Engineering Students' Association (MESA) under the guidance of Mr. Ravindra K Garmode with the following objectives:

- Arranging Seminars, Lectures and Workshops by Experts from Acedemia or Industry, in order to create awareness about current research and industry trends, among the Mechanical Engineering Students.
- Arranging Industrial Visits for Mechanical Engineering Students to present themselves with an opportunity to have a look at actual working of Industries.
- Organizing Technical Competitions and Events in order to enhance Networking among student peer groups.
- ☐ Helping Training and Placement Cell in contacting industries for Student Internships and Campus Placements.
- Establishing Student Chapters like Society of Automotive Engineers (SAE), American Society for Mechanical Engineers (ASME), Society of Manufacturing Engineers (SME), etc.
- Establishing Student Teams to participate in national and international competitions like SAE Mini BAJA, Formula SAE, AERO, etc.





Under the umbrella of MESA, students are able to take part in various other activities like -

- Professional/Expert Level Certification programs in CAD/CAM conducted by various industries
- Product Design Contests at national and international levels
- Formula 1/Solar/Electric car making competitions and many more.

Such activities bring out the real potential of the students and they will realize the importance of working in a team.

Some of the events conducted are:

- Seminar by National Board of Apprenticeship Training at SFIT.
- Industrial visit at Industrial Engineering Corporation, Vasai for second year students.
- Seminar Day inviting Industry Experts and Research Scholars on 28 Sept 2019.
- One week STTP on "Automotive Technology" for students of second year from 1-6 June 2019.













DEPARTMENT OF SCIENCE AND HUMANITIES

The Department of Science and Humanities is pivotal for Engineering Education. The Science & Humanities lay strong foundation for engineering students to attain excellence in core competencies with high level of motivation, technical competence, and moral strength to face the global challenges and understand cross-cultural environment. Students learn the basics of science engineering, which are essential for further studies. Our Mission is to be a dynamic Department empowering the students with fundamental knowledge in Basic Sciences, enabling them with the ability to apply the ideas to the engineering domain while inculcating in them ethical values, social responsibility, and entrepreneurship qualities.



Dr. Poonam Hemnani Head - HSS

The department comprises of four branches of study, namely Physics, Chemistry, Mathematics and English. Well-experienced and highly qualified faculty members of the department have made consistent and strenuous efforts to improve the learning and research aptitude of the students.

The department provides opportunities for them to join various student chapters, in addition to other extracurricular activities like Quiz, Paper Presentation Competition, Project and poster presentation competition, and Robotics Workshop.

The department is actively involved in the early development of students' personality and ensure training in communication and soft skills to equip them well in the modern and globally competitive environment.

The department has state-of-the-art laboratories and advanced department library facilities. It also encourages students to take up challenging projects and internships at the National and International level in order to fine-tune their technical skills. It has opened avenues to promote Entrepreneurship among budding engineers and encourage in them the sense of social responsibility.

The unique strength of the department is the excellent coordination in carrying out the academic responsibilities.

Department Achievements

Over the years, the faculty members of department are constantly climbing the academic ladder .They regularly interact with the university, government organizations, other universities and institutes and update their knowledge by attending workshops, training programs conducted by premier institutes.





Faculty members have delivered invited talks in conferences and other institutes. Some of them are:

- Ms Deepa Panakkal delivered a talk on "Make each Day your Masterpiece" at St. John's College of Engineering and Management (SJCEM), Palghar on 04 Oct 2019, on "Adolescent Psychology" in Faculty Induction Programme- 2019 on 03 Jul 2019 at SFIT and on "Make it Count" for First Year Engineering students of SFIT on 09 Aug 2019.
- Mr. Praveen M Kurien on "Social Media and Ethics" for SE IT students

The faculty members have also received various research grant from University of Mumbai. Some of them are:

- ☐ Ms. Preethi Colaco received Minor Research Grant worth Rs. 30000 from University of Mumbai.
- Ms. Arti Bhatnagar received Minor Research Grant worth Rs. 30000 from University of Mumbai.

Department Activities

For the overall development of students, the department organizes various activities like workshops, industrial visits, quiz and debate competitions under its banner: Some prominent events are –

"PRAYAS" - An annual event is an exclusive platform for First Year Engineering students to transform knowledge into application while also enhancing soft skills. There were more than 100 first year students







participating with 22 models, 3 Posters and 10 Powerpoint presentations in PRAYAS 2019.

- Industrial Visits were organized for first year students of engineering with a purpose to get students familiar with various industry work process. The industries visited in Pune were CDAC, Sakal Newspaper, WTE, India Auto Ltd., Everest Spin Pipes and Indian Express. The industries visited in Silvassa were Alok Industries, Navneet Publications, Man Foods(Parle-G) and KRYFS.
- FE Orientation Program is organised every year to welcome the newly joined undergraduates to the world of Engineering at SFIT. The aim of the program is to introduce the FE students to the academic and non-academic aspects of the course.
- Faculty Induction Program is conducted every year for the newly appointed faculty members every year. The FIP focuses upon three major aspects, viz. 'How to motivate students and become an inspiring teacher', 'How to keep a record and maintain a document for further reference', and 'How to enhance the skills of teaching through the practical approach'.



Our Shining Stars Toppers in the Academic Year 2018-2019



Shravani Dhuri CGPA 9.795





ADMINISTRATIVE STAFF



The administrative office at SFIT comprises of staff at -

- Front office who work diligently and assist in carrying out all back end processes, procedures and formalities pertaining to admissions, staff recruitment, correspondence to parents, University, and other governing bodies like DTE, AICTE, maintaining service records and arranging meetings to name a few.
- Examination cell who is responsible for arrangements for conduct of examinations, arranging examiners, evaluation of answer scripts, correspondence with University, publishing of results etc
- Accounts Section who looks after payroll, accounting and auditing of funds.





LEARNING AND INFORMATION RESOURCE CENTRE (LIRC)

The Learning and Information Resource Centre (LIRC) at SFIT is a partially automated library which operates using LibSuite Enterprise software. The library is spread over an area of 797 sq.m. that offers a well-lit, patient and encouraging environment for study and research-related work. The library provides computing and Internet facility. The adjoining reading room is a perfect setting to enable students to self-study.



LIRC Facilities

- Book Stacking Area which houses over 30000 books for undergraduate and post graduate courses.
- Reference & Information Services Section comprising of 3400 books, 54 journals, 19 magazines, newspapers and other research and reference tools such as dictionaries, encyclopaedias, Atlas, data manuals and handbooks.
- Digital Library provides access to eresources like e-books, journals and conference proceedings, NPTEL and SWAYAM courses and periodicals.
- **WebOPAC** An online catalog that enables searching, renewal and reservation of books.
- Archival Room houses B.E. Projects Reports and Book Bank Books.

- ☐ Institutional Repository which is referred as Dspace@SFIT includes syllabus, old University question papers and abstracts of the papers published by the faculty.
- Resource sharing and Inter-Library Loan Facility which allows students from ACCMI Institutes to approach the library of the other Institutes in their vicinity for his / her book requirement.
- **Book Bank Facility** which enables the student to issue books for the entire semester
- **Scholar's Card** provided to the first three toppers of respective branches as a token of appreciation of their efforts.
- ☐ Internship training for 240 hours to M.L.I.Sc. Student from SNDT Women's University

Blog at: sfitlibrary.blogspot.in





TRAINING AND PLACEMENT CELL (TPC)

It is widely established now that technology has been evolving at a much rapid pace in the last couple of decades and predominantly even faster in the field of Computer Science, Information Technology, and Telecommunication. At the forefront of these changes are opportunities and challenges confronting Industry and Academia. Consequentially, the nature and scope of job is continuously changing and shifting. With this backdrop at hand, the industry is determinedly looking for young minds who bring technical competencies that are future oriented coupled with heightened sense of soft attitude to withstand in the global market. It, thus, brings enormous responsibility on academic institutions to prepare and equip young graduates who will be able to meet the ever-increasing demand of the ever-changing job market. Various employability research reports indicate considerable gap in the competencies of graduating engineers.

In order to plug this widening gap, we at SFIT are committed to creating engineers who will be an asset to organizations and nation at large. This is achieved through our rigorous and meticulously developed academic curriculum and bringing the proper alignment with intense industry institute interaction that help our students to potentially build the desirable competencies. In addition to this, we encourage our students to become industry ready professionals through proactive participation in technical competitions, live projects, interactive seminar presentations, community services and cultural events.



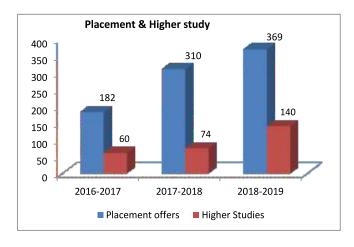
Mr. Wilson Pinto Head - TPC

Some of the key facilities provided by TPC are -

- Technical training
- Aptitude test and soft skills training
- Guidance for higher studies

- ☐ Facilitating industry based projects
- National and International internships
- Guest lectures from industry and academia









OUR TOP RECRUITERS













BNP PARIBAS

CLOUDFRONTS





















Reliance Jio



G10

consultancy











CACTUS Growth through





































COMPUTING SYSTEMS, INC.

Innovative Solutions - On Demand







PRASIS













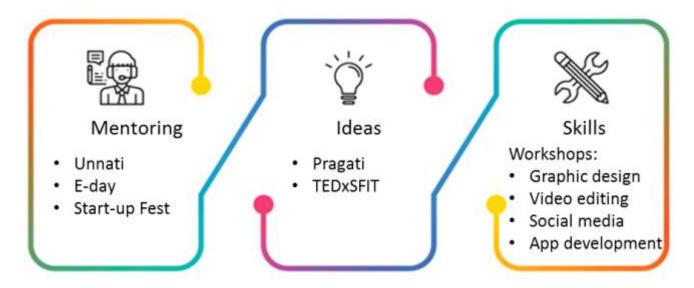


SFIT - ENTREPRENEURSHIP CELL

The SFIT E-cell was established in the year 2012 to promote the institutional vision of transforming youngsters into technological entrepreneurs and innovative leaders. The E-cell committee consists of 06 faculty members and 27 student members from various departments. Dr. Prachi Raut (Professor - INFT) is the faculty convenor while Ms. Lydia Saju (TE-CMPN) and Mr. Mohak Jani (TE-INFT) are student coordinator and co-coordinator respectively for the academic year 2019-2020. A total of 10 start-up aspirant groups are registered under the SFIT E-cell.



The objectives of SFIT E-cell include mentoring campus start-ups, nurturing and fostering innovative business ideas and imparting necessary entrepreneurial skills. The events conducted by SFIT E-cell are mapped to its objectives as follows:







Highlights of a few popular events in the year 2018-2019 are as follows.

Mr. Suraj Negi, Mr. Shantanu Phatke and Mr. Steve Rodrigues conducted Graphic Designing and Video Editing workshop on 08-09 Sept 2018. Around 50 students attended this workshop and learned Adobe Photoshop and Illustrator.



Two events were conducted under the banner of Unnati 2018. Mr. Albert Wilfred D'Souza, SFIT Governing Council member and the Chairman of Aldel Education Trust gave a seminar on "How to be an Entrepreneur?" to final year students. A business plan workshop took place on 22 Sept 2018. The workshop was conducted by Mr. Sanket Prabhu and MR. Gaurav Karkhanis, Founder Falcon Eduventures and SFIT alumni. Attendees learnt about various aspects of developing a business model and took part in the activities related to the same.

Entrepreneurship Day (E-Day) was organised exclusively for First Year Students on 6 Oct 2018 where they learnt to develop co-curricular skills such as leadership, team-spirit and other entrepreneurial qualities. Participatory methods like games (Bridge building, Logo making) were organised in the first session whereas SFIT alumni members who are successful entrepreneurs interacted with the students and answered their queries. Mr. Rohan Asthana (Founder, Onbac) INFT 2009 batch was present at the event while Mr. Dax Britto (Founder, DunDeal) joined through video conferencing from Auckland.

Start-up fest was organised on 12 Jan 2019 especially for SFIT start-up community. Mr. Pranav Vyas gave an engaging talk on entrepreneurship skills. E-cell member and start-up aspirant Mr. Het Shah from BE ITB demonstrated drone operation and how this skill can be used for monetization.





SFIT E-cell's flagship event - A national level technical innovation and business plan competition was organised on 15-16 March 2019. During the inauguration ceremony, Chief Guest Mr. Nayan Bheda, Founder of HashTech Ventures and Guest of Honour Mr. Sameer Wagh , Chief Architect and CEO at Commtex Solutions Pvt. Ltd. gave enlightening talks about entrepreneurship. In technical innovation competition around 200 persons from 56 teams across the nation participated. Business plan competition took place on 16 March 2019 with 150 participants in 30 teams competing for the Business Plan Prizes. Judging panel consisted of 12 experts from industry and academia.



Valedictory ceremony was conducted on 16 Mar 2019 and three prizes (Trophies and cash prizes of Rs. 75,000) were distributed in technical innovation category, while two prizes were given away in business plan category (Trophies and cash prizes of Rs. 50,000).







RESEARCH AND DEVELOPMENT (R&D) CELL

St. Francis Institute of Technology has a clear vision for all round development of the institute so that it can become one of the finest engineering institutes in western region of the country. Keeping this vision in mind, a team of staff members lead by the Principal started an R&D cell or Centre of Innovation way back in 2005 to nurture the young minds of both our faculty and students. Currently it is led by the R&D Coordinator, Dr. Uday Pandit Khot.

Th	e major objective of the R&D Cell is -
	To conduct basic and applied research through effective participation of teaching faculty and students in order to upgrade their knowledge as well as contribute to the growth of the institute.
	To provide research and development activities at SFIT for technological up gradation of faculty and students leading to revenue generation for the institute.
	To create a Centre of Innovation to nurture young minds, both staff and students, for all round development of the institute.
Un	der Industry Related Research, recent activities carried out include -
	In-house Projects like Design of New Website for SFIT, Blind Turn Collision Warning System for Road Traffic, Design of Op-Amp Kit, Development of Electronic / Electrical system to ring Church bell at predetermined time to name a few.
	R&D projects under Minor Research Grant Scheme of University of Mumbai
	Consultancy projects
Un	der Academic Research, the activities carried out includes -
	Publishing of 'Sanshodhan' – An annual technical magazine containing research articles from staff and students
	R&D lecture series on a regular basis for the benefit of our teachers / students
	ISTE approved Short term Training Programs. Faculty Development Programs, National/ International conferences and in-house workshops
	Our few major achievements include -
	Successful completion of consultancy project from Mott MacDonald Pvt. Ltd. worth6.4 lakhs.
	Completion of 08 Research and Development projects under Minor Research Grant Scheme of University of Mumbai in the Academic year 2018-2019 with a total grant of 2.5 lakhs.
	Grant of about 19 lakhs from AICTE under MODROBS Scheme.
	Presentation and publication of 41 papers in National/International Conferences and Journals by faculty and students.

The major goal of the R&D Cell is to promote R&D activities and technological upgradation of staff and students





INDUSTRY INSTITUTE INTERACTION CELL (IIIC)



We at SFIT meticulously work towards making our students skilled and globally competent inline with the industry requirements. To achieve our mission and to bridge the well established fact that there exists a gap between the engineering curriculum and industrial practices, the SFIT - Industry-Institute Interaction Cell (SFIT-IIIC) was formed in February 2018.

The main objective of IIIC is to focus on the following:

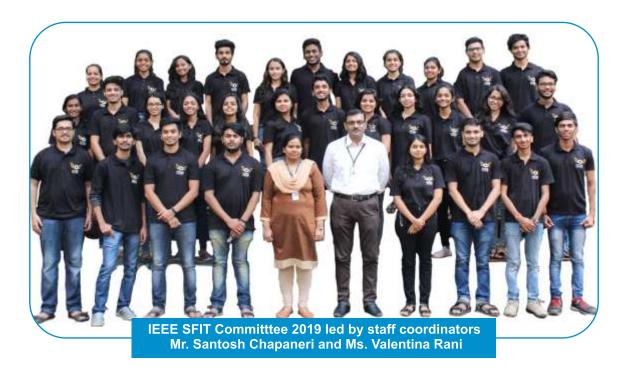
- Association in terms of signing Memoranda of Understanding between the Institute and industries.
- Practical training of students in industries in terms of internships and industrial visits.
- Advance laboratories and research centre sponsored by industries at the institute.
- Organizing workshops, conferences and symposia with joint participation of the faculty and the industries.
- Working on industry problems and live projects by getting sponsored projects and consultancy assignments.
- ☐ Visits of industry experts to the institute to deliver lectures on industrial practices, trends and experiences.
- Projects/dissertation work in industries under joint guidance of the faculty and experts from industry.

The major focus of Industry-Institute Interaction Cell is to bridge the gap between Industry and Academia.





SFIT - IEEE STUDENT CHAPTER



IEEE SFIT Student Branch (ISSB) was conceptualized in SFIT in the year 2003 and currently, it is one of the active branches of the IEEE Bombay Section. ISSB aims at providing best access to all IEEE resources to members and non-members alike.

Since 2003, ISSB has conducted various seminars, lectures and workshops within the institute. A National Seminar on "Recent Developments in Circuits, Systems and Signal Processing" was organized at SFIT by ISSB in 2011 with eminent speakers from IIT Bombay.

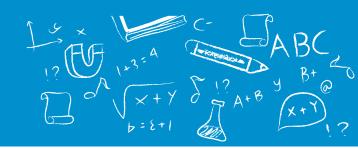
Currently, ISSB is convened by Mr. Santosh Chapaneri and Ms. Valentina Rani along with a strong team of 47 student members.

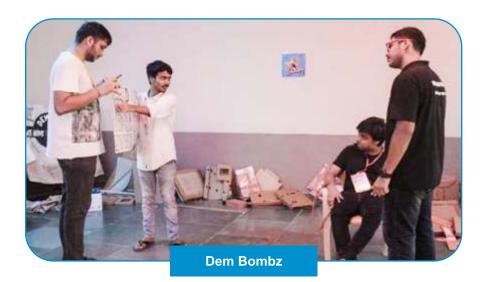
The major events conducted in 2018-2019 by ISSB includes –

- Dem Bombz
- UV Car Racing
- IOT Workshop

Our objective is to bridge the gap between industry and students studying in technology-related fields, while promoting and providing an intellectually stimulating environment for the student body.







Dem Bombz: Teams explored the college looking for their bomb diffusal components to build the circuit for diffusing the bomb.



UV Car Racing: UV lit room, with a neon racing track and remote controlled race cars were partially built by the participants.



IOT Workshop conducted on 14 Sept 2019 by IEEE SKEP speakers Dr. Saurabh Mehta, Professor and Chief Academic Officer, Vidyalankar Institute of Technology, Mumbai and Mr. Hannan Satopay, Research Scholar, Vidyalankar Institute of Technology, Mumbai.





SFIT - CSI STUDENT CHAPTER



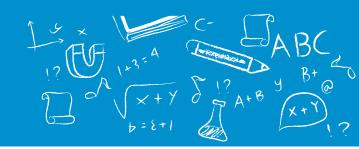
St. Francis Institute of Technology is an Educational Institution Member (Membership No.I01626) of Computer Society of India. The CSI-SFIT student chapter was incepted in 2003. The objective of this student forum is to keep students abreast with latest developments in IT world and provide them a platform to develop managerial skills and team work by organizing various technical events such as seminars, workshops, paper presentations, coding competitions etc. At present there are 236 active members in this chapter and Ms. Amrita Mathur is the coordinator of this chapter.

IT sector is one that has been growing rapidly with increasing demand of skilled professionals. CSI-SFIT is playing an important part in spreading awareness and knowledge about new technologies and IT research. The endeavor is to spread awareness about the current technologies used in industries and develop allround skills of engineers, also bearing in mind interest of students. CSI-SFIT is doing its best at imparting knowledge to students by means of organizing a number of workshops and interactive seminars on latest technology.

In order to equip our students with latest technology and to make them industry ready, this year CSI-SFIT organized various technical events.

Our objective is to spread awareness about the current technologies used in industries and develop all-round skills in the students







A workshop on Front End Development was organized on 12-13 Oct 2019, and conducted by Ms. Jayashree Domala (CSI - Chairperson) and Mr. Manmohan Dogra (CSI - Joint Technical Head). A total 67 students participated in the event.



An intercollege coding competition was organized on 09 Feb 2019. Students from different engineering colleges across Mumbai participated in the event. Competition was open for all branches. Students of BE (CMPN) of SFIT bagged first and second place with prize worth Rs. 5000. Consolation prize was won by student of TE (CMPN) – SFIT.



A workshop on "VR Gaming" was organized on 19-20 Jan 2019 in association with TechCrypto to provide training on topics, viz. VR Games, 3D object, Graphics and many more. After the completion of the workshop, a competition on VR gaming was organized and the winner of the competition was awarded with VR glasses.







Mosaic Event:

CSI-committee organized self sponsored two fun-filled and technical events during college technical fest , MOSAIC 2019 which attracted many participants resulting in big success of the events

- 1. Black mirror: scavenger hunt
- 2. CSIAvengers

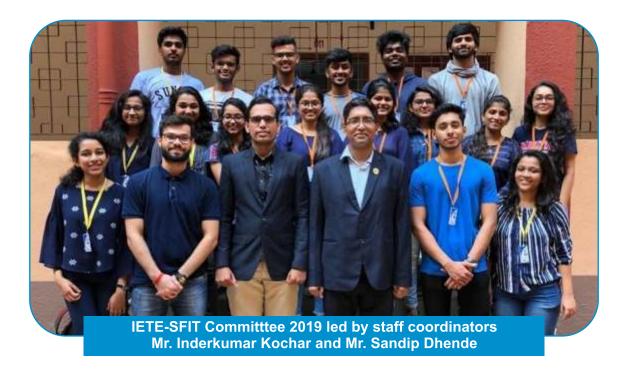
The student members of CSI-SFIT chapter work round the year with the vision of taking the student branch to greater heights. In addition to the numerous achievements of the CSI-SFIT, CSI-Annual Magazine "PARADIGM" is another milestone in their activities. Its content includes reports of various activities conducted round the year, technical articles by the students, quizzes, information on upcoming technology and gadgets. In today's world, machines are replacing humans and performing task at much higher speed and accuracy in every domain of life. "Machine Learning" is becoming a big buzz word in the world of technology. Understanding the importance of this technology, the theme of our CSI Annual Magazine - 2018-2019 was chosen as "Artificial Intelligence and Virtual Reality".







SFIT - IETE STUDENT CHAPTER



The Institution of Electronics and Telecommunication Engineers (IETE) student chapter at SFIT started in the year 2008. At present there are 28 active student members and are led by staff coordinators Mr. Inderkumar Kochar and Mr. Sandip Dhende.

The objective of this student forum is to keep the students updated with latest technological developments in the field of Electronics & Telecommunication and also to provide them a platform to develop their technical and managerial skills, thus providing them an opportunity for their all round development.

SFIT- ISTE chapter intends to achieve these objectives by organizing various technical events such as seminars, workshops, project competitions and technical paper presentations to name a few.

An event GLOWCRIKZZ was organized on 31 Aug 2019 as part of MOSAIC. It was based on two overs inbox cricket match accompanied with basic programming based quizzes.

The endeavor of IETE-SFIT student chapter is to spread awareness about the state-of-the-art technologies used in industry and develop all-round skills of engineers keeping in mind the interest of students.





SFIT - ISTE STUDENT CHAPTER



St. Francis Institute of Technology has Institutional membership of Indian Society of Technical Education (ISTE) since the year 2000 (MH-150). The ISTE student chapter was established in the year 2014. Currently, there are around 800 student members and 40 staff members.

In line with the motto of ISTE which is one of the leading national professional non-profit making society for the technical education system in our country, the SFIT-ISTE chapter aims to conduct career development courses and faculty induction programs for teachers as well as arrange workshops and seminars for overall development of our students.

Recent events organised by SFIT-ISTE in 2018-2019 are -

- Technical paper presentation
- ☐ The VR Experience.
- Judgemental Darts.
- Workshop on Machine learning and Natural language processing.

The objective of ISTE is to provide quality training programmes to teachers and administrators to update their knowledge and skills and to provide guidance and training to students to develop better learning skills and personality.





TEAM ROBOTIC AUTOMATION WING (RAW)





Team RAW is an institute level robotics team which organizes and participates in various robotics competitions. Currently, the team comprises of 18 members.

The team is consistently participating in **Robocon** – A Robotic Contest organized by Asia-Pacific Broadcasting Union (ABU) for the last 12 years.

The team is also participating in **e-Yantra** for the last 5 years. e-Yantra is an initiative to spread education in embedded systems and Robotics by IIT Bombay sponsored by Ministry of Human Resource Development through the National Mission on Education through ICT (NMEICT).

Recently, the team won the first prize worth Rs. 2 Lakhs in X-Design India challenge (Urban Mobility) online competition organized by Dassault System - Solidworks.







SFIT NSS (National Service Scheme)

"Human beings are social animals". Biologically and psychologically they are compelled to live in society. In almost all aspects of their life, they need society for their existence and welfare. However, every person has equal responsibilities towards the society which is termed as *Social Responsibility*. At SFIT, while our vision is to transform the dynamic youngsters into technological entrepreneurs and innovative leaders, we also encourage and give them opportunity to give back to society. For this purpose, there exists SFIT - NSS Unit that aims to create awareness among our students on social responsibility, ethical values, professional ethics, protection of environment and ecosystems and also to undertake social service activities mainly for the economically backward and marginalized communities. In the Academic Year 2015-16, there were 50 student volunteers and from the academic year 2016-17 onwards the number of enrolled student volunteers has been 100 each year. The National Service Scheme operates as per the guidelines of the Mumbai University.



The main objectives of the National Service Scheme are as follows:

- ☐ To develop among the students a sense of social and civic responsibility
- ☐ To acquire leadership qualities and democratic attitudes
- ☐ To learn to organize programs and events
- To uphold the dignity of labour
- To live in groups and share responsibilities
- ☐ To identify the needs of the community and make efforts to solve them
- To use their knowledge in finding practical solutions to environmental, health related, educational problems and for entrepreneurship

Moto of NSS is "Not Me But You".





SFIT NSS has been involved in various activities such as -

- Humanitarian activities which includes blood donation camps, clothes, books and stationery donation drives, visits to orphanages, elderly homes and children's homes, health and hygiene campaigns, medical check-up drives, road safety and fire protection awareness programs.
- Environmental protection and conservation activities such as campus, beach and railway station cleanliness drives, river beautification campaigns, tree plantation drives, No plastic campaign, and establishments of solar power systems.
- Awareness on various social issues such as importance of education, life without tobacco, HIV/AIDS and sanitation.

GLIMPSES OF NSS ACTIVITIES









Moto of NSS is "Not Me But You".





GLIMPSES OF NSS ACTIVITIES

















ALUMNI CELL

"St Francis Institute of Technology Alumni Association" (SFITAA) was established and registered with the Assistant Registrar of Societies on 27 Sept 2018. The major objectives of the SFITAA are –

- To unite all alumni of SFIT on a single platform of Alumni Association.
- To encourage a spirit of loyalty, friendship, service and benevolence among members of the society.
- To encourage fellowship and greater interaction among SFIT alumni in India and foreign countries.
- ☐ To develop a career counselling centre and other forums to bring about awareness among students.
- To organize activities to promote research & development in various fields of Engineering.

Governing Body of SFITAA



ChairmanBro. Jose Thuruthiyil



President Mr. Hansel D'Souza



Secretary Mr. Mayur Agrawal



Joint Secretary Mr. Jeas Jose



TreasurerMs. Grinal Tuscano



Ex-Officio MemberDr. Sincy George



Ex-Officio Member Mr. Wilson Pinto



Ex-Officio Member Dr. Nazneen Ansari





SFITAA made its social media presence known by starting off with its Instagram and Facebook page in an attempt to reach out and connect to our alumnus across the globe.

The year 2019 witnessed the first mega alumni meet - **ReKindle 2019** on 05 Jan 2019. The other activities include –

- First Annual General meeting (AGM) on 09 Sept 2019
- Get Hired" seminar on 05 Oct 2019
- Industrial visit to one of the largest ATM manufacturers in India, Perto on 11 Oct 2019





Over the years, SFIT itself has grown immensely, where its alumni have managed to establish themselves across the global stage. We now have the framework in place to build up channels to allow knowledge sharing and talent acquisition in order to align ourselves with the needs of the students and the college. Our teams will ensure to constantly update all our digital channels to keep everyone updated with the latest happenings. The passion for the college and the drive shown by the committee members and the volunteers will help ensure that we are able to take SFIT to new heights. I commit that SFITAA will endeavour to successfully enrich the skills of the current student community to the best of our abilities.

Mr. Hansel D'Souza





EVENTS AT SFIT

Degree Distribution Ceremony

Degree distribution ceremony for the Class of 2018 was held on 16 Feb 2019. The occasion was graced by Dr. Bernard Menezes, IIT Bombay as the Chief Guest and Dr. Akhilanand Pati Tiwari, BARC as the Guest of Honour.

A total of 12 postgraduates and 306 graduates attended the event. We congratulate our young graduates and wish them well for their journey ahead as competent professionals and responsible citizens.





Annual Day

The 20th Annual Day at SFIT was held on 31 Jan 2019 and was graced by Shri S. Jayakumar, Additional Commissioner of Police (Armed Police) as the Chief Guest and Bro. Mathew Thekkemury – Assistant Superior General, CMSF and Campus Administrator as the Guest of Honour.









EVENTS AT SFIT

IRIS 2019

IRIS-2019, the annual cultural fest of SFIT was held on 1-2 Feb 2019 and was declared open by our young achiever Mr. Rohan Krishnan. To commemorate the event journey of 20 years of SFIT, the theme was chosen as "Odyssey". Various cultural, literary, musical and gaming events were held over the two days.





Mosaic 2019

The annual technical fest of SFIT, MOSAIC 2019 was organised on 31 Aug 2019 and was graced an SFIT alumni, Mr. Niraj Vasudoe as the Chief Guest. There were an array of technical events organized including a Hackathon named 'Codewars'.









ANNUAL SPORTS MEET - IGNITRA

















CELEBRATIONS AT SFIT













More than a team, we are an extended family!





STUDENT COUNCIL 2019 - 2020



The Student Council at SFIT is a group of elected and nominated students working together with the objective of ensuring student welfare and actively engaging the students in the continuous growth of the institute. The Council shares opinions as well as generates ideas on various student matters affecting their learning, wellbeing, and welfare. It helps the management and teachers to reach out to all students to assure them that we deeply care for them, immensely value their opinion and are excited to use their leadership and organizational ability.

This year, the nine member team comprises of –

General Secretary: Aditya Kolte
Technical Secretary: Sanket Dalvi
Cultural Secretary: Komal Torlikonda
Joint Cultural Secretary: Manas Acharya

Sports Secretary: Steve Mandonca
Lady Representative: Saisha Vartak
Reserved Representative: Yash Solanki

NSS Representative: Ryan Crasta

"We have learnt the value of maintaining strong bonds with people, the art of effective communicating and comprehending the importance of time and planning. Our goal is to raise the standards of our events and work towards the betterment of the fellow students and the institute. We intend to leave behind a legacy that aims to help future students metamorphose as we did. We thank all those who have are making this journey worth it and we hope to bring glory to the SFIT name!"

President – Student Council - 2020





IRIS-2020



IRIS - Our annual cultural fest brings students of disparate ideologies together in symphony. Each team operates independently but in unison to converge their ideas into reality. Thus, IRIS is not just an annual cultural fest, it is a celebration in itself.

As this magazine goes into print, we are all gearing up towards IRIS-2020. In these divisive times, IRIS-2020 aims to bring out the harmonious spirits that tie our nation together and hence the theme – "CONVERGENCE".

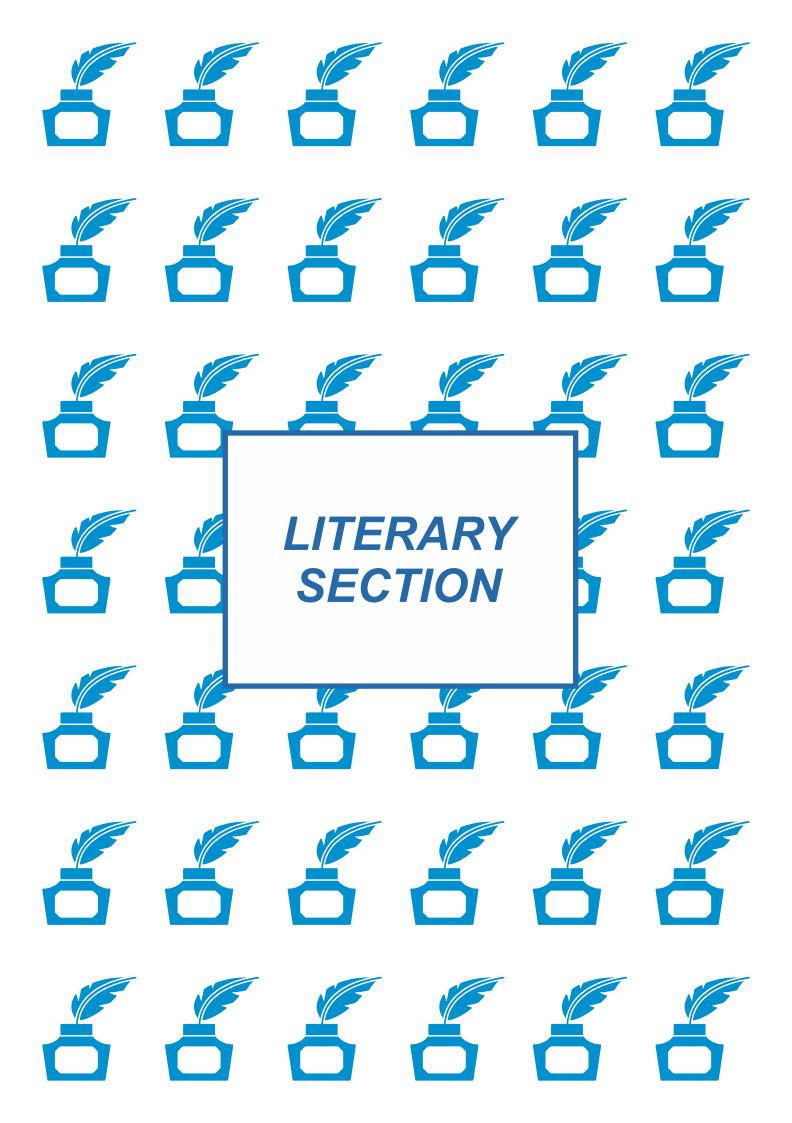


IRIS - "Convergence" is the melting pot of cultures, thoughts, dreams and art from all parts of India. IRIS 2020 plans to be the strand of unity in these divided times with events that focus on our strengths as a diverse nation and power as a united force.

During the pre-IRIS events, several states of India will get a moment to shine. From 22 -28 Jan 2020, IRIS presents a combination of ethnic cuisine and dance to showcase the true beauty of India. Alongside these events, each day will come with a specific theme where students will get an opportunity to go wild with their fashion choices with everything bling to oversized hoodies. Each day will begin with a theme and end with enrichment on the plethora of Indian cultures. Throughout our journey our taste buds will get a vivid experience from gourmet meals to the delights of subtle street stalls. We shall witness the flash mobs on different folk dances and engage in events that manifest the essence of each state's origin.

We plan a wide array of engaging events from the literary department as well, some of which include a vibrant open mic, movie night, feisty family feud and everyone's favourite, the much anticipated batli talks. This year will also see some very thrilling and soul-stirringly brilliant events corresponding to each day.

Many heads and hands are working to make this IRIS 2020 successful, so we owe it to everyone who are making it possible, for we all know, coming together is a beginning, keeping together is the process and working together is success in the form of IRIS-2020.







TOUCH THE SKY

Breaking all the limitations
Bringing out my sensations
Thinking out from the box
Tightening up my shoes and socks
I just wanna touch the sky.

Keeping a smile on my face
Trying to win every race
Learning from my each mistake
Keeping my legs on the ground
I just wanna touch the sky.

Jaimin Solanki FE CMPN B







THE STORY OF EMOTIONS

Far, far away, in the middle of the ocean There was an island of virtues and emotions.

It was called 'Heart'

Navigating through it was complicated since the start.

On it everyone nourished

The island slowly flourished

Joy, sorrow, valour, fear

All lived together here

Everything was well and fine

Until one day came Time.

With a bad news and tear on his cheek

He said, "Within one week

End will come with a terrible disaster

By him, Heart will be shattered

It will cause loads of destruction

If you want to be alive listen carefully to my instructions

You will have to migrate

Knowledge and Creativity will build a ship to take you away

You have to leave as soon as possible

Otherwise your fates will be terrible".

From the crowd Innocence asked "When are we gonna come back here?"

Time replied, "I'm afraid but it's gonna be never, dear"

Suddenly there was silence which was broken when Sorrow started crying Fear fainted, Care worried and Nervousness began shivering.







Next day a ship was on the shore Time welcomed everyone by greeting at the door Valour encouraged everyone to board and Happiness boarded happily Care helped Sorrow to board who boarded grimly Everyone boarded within few days but Ego was nowhere to be seen Care asked Knowledge, "Where is he?" Knowledge answered, "He doesn't want to come" This was unfortunately heard by Love Love left the ship without telling anyone Later Attention noticed this and told everyone what Love has done Wisdom said, "Now we can't go back Or else we will be in the jaws of End's attack" Time proclaimed, "The fates have now been sealed" Hearing that Guilt requested to leave Guilt was supported by Freedom He didn't listen to Wisdom Guilt jumped out of the ship and swam towards Heart with all his might Atlast he reached the shore after swimming for an entire night But before he reached, End had already destroyed the island

All now left was a barren land

As said, Time came back never

Love died because of Ego and Guilt remained on the broken Heart alone, forever.......

Vishwa Mhatre FE CMPN B







THE BETTER ME... THE REAL ME?

Try to run away from your past, It will come along and chase you down. Try to run away from your mistakes, And they will haunt you in your dreams until you correct every single bit of them Try to improve yourself, But first fight with the bad in you Coz that demon will be restricting you through. Now the bad in you? Oh, its the smallest habits you're accustom to. Try changing the wrong in you, Try going away from the real you, Try becoming a person that maybe will be the best version of you. But ever saw a moth sitting on a flower? Will it be there for long? I've tried running, coping, adjusting, becoming but it aint that easy. All you end up with is the gradual fall, And the constant urge to be better,

Anonymous (on request)

And to run away from your past.









HAPPY LIFE

We entered our new house With dreams and hopes For our better tomorrow.

The morning breakfast in bed
With a strong coffee
Not only made me energetic
But also ready to fight
New battles and get new wins.

Our lips were each other's solace
So when you left the door
Without a goodbye kiss
My soul left me
To find you in the dark.

Blue was really our colour

My lips and hands had made the colour

More special for you.

Your strength made me feel safe But also suffocate the air from inside.

When you attached that pendant on me
It was like a chain
To draw my freedom back to you.

Our house had become silent again

Now my hair was short

So you couldn't grab onto it

To slam me against the wall.







My back was stiff
As your manly hands had given me
Some unforgetful marks
On myself for a lifetime.

Those bruises were the sign
Of your love for me
Which was hidden from the world.

My parents did a great job
To select you as my soul mate
As you showed me the meaning
Of your selfish love
With your own unique ways.

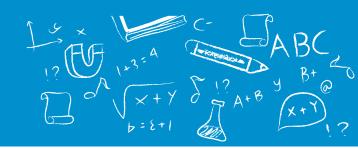
Even though we had a hard time I'm happy looking at your face When you had closed my coffin.

I sighed in relief that at last I was free from your beautiful misery.

Lydia Nadar TE IT B



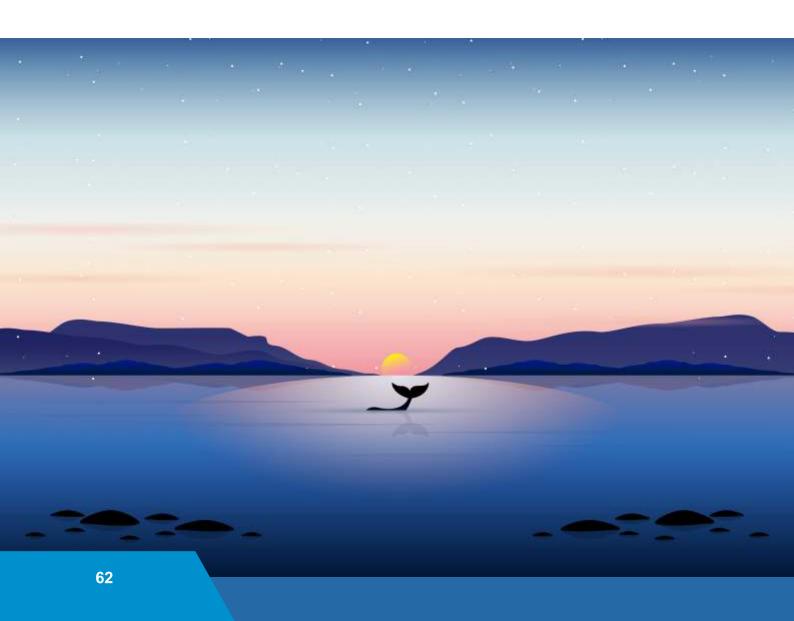




LIFE GOES ON

Every passing day has a story to tell
You never know when things go unwell
Things happen predictable or sometimes unpredictable,
but we do expect something better
Now or never make your choice rather than regret later
Smile and grin let the world guess
While you look upon the memories and try to clear the mess
The time will come for you to cherish the moments of life
Till then enjoy the company of odds of life.

Sanika Chaudhary TE EXTC A







LIFE IS A JOKE!

So when your mom narrates
Your embarrassing childhood stories
To your friends
And you feel embarrassed
Just laugh it off...

So when you are happy And you don't know the reason Just laugh it off...

So when you want something
And you don't get it
Just laugh it off...

So when you pull a stunt You think you couldn't Just laugh it off...

So when life shoots problems at you And you don't seem to dodge them Just laugh it off...

So when you are all prepared for your exam
But all that comes to your mind
During exam is some random song
Just laugh it off..







So when you stare at your reflection in mirror
And think you are ugly
But remember that beauty doesn't have a specific definition
And all are beautiful in their own way
Just laugh it off

So when you are rejected by someone
But remember God has someone better in store for you
Since you deserved better
Just laugh it off
So when your friend stabs you in the back
But you realize that they were just fake
Just laugh it off

So when you try to find your specs in your 90's

And your grandson points it out

To be right on your forehead

Just laugh it off

Life is the lamest yet the craziest joke you'll ever know, So just laugh it off!

> Sejal A Lanjekar TE EXTC A







पता नहीं लोगों को क्या हो गया है

पता नहीं लोगों को क्या हो गया है. खाली बॉक्स होते ह्ए भी, खुद को भरा दिखाना चाहते है | ख्द की झूठ पर हम जीतना चाहते है, ख्द के भरोसे पर, हम गलतफहमी में रहना चाहते है | पता नहीं हमारी कीमत हमें कौन बता रहा है, ख्द ही तय कर, लोगो को जलाना चाहते है | खुद की ग़लतियों को छुपाने की आदत हो गयी है, उसी गलती को सही मानकर लोगो में जताने की आदत हो गयी है | बिना कुछ गवाए हमें सब कुछ पाना है, माँ, बाप के सपनों को पीछे छोड़ कर, अपनी झूठी इज़्ज़त को लोगो में फैलाना है | हर इंसान हमारे जैसा हो ऐसी हमारी इच्छा है, दूसरों की विशेषताओं को दबाकर, हमें उनकी गलतियां दिखाना है, उन्हें पीछे कर, हमें सबसे आगे जाना है | औरों की सपनों को हमें अपना बनाने की आदत हो गयी है, ख्द को सही साबित कर, गलत राह पर जाने की आदत हो गयी है | पता नहीं अपनी गलती पर विजय पाना हम कब छोड़ेंगे, हम जो कर रहे है, वो गलत है, उसे पहचाना कब शुरू करेंगे | मैं तो बस सोचता ही रह जाऊंगा, की, पता नहीं लोगो को क्या हो गया है.....

> अंकित जैस्वाल TE CMPN A





नजरिया

हर कोशिश कर चल तू अपने लक्ष्य को पाने की ये तेरा हक़ है क्या हुआ? हुआ एक बार असफल तू माना हालात खिलाफ हैं तेरे माना बाहर घाना अँधेरा है

ये युद्ध भूमि है तेरी तू युद्ध कर खुद बना अपनी राह तू हर चुनौती को कर स्वीकार तू हर कोशिश कर चल तू अपने लक्ष्य को पाने की

मजबूत हों अगर इरादे तेरे इस संसार की हर चुनौती को पार करने की ताकत है तुझमें बना अपने हाथों को लोहे की तलवारें तू हर कोशिश कर चल तू अपने लक्ष्य को पाने की

> परबत सिंह राजपुरोहित TE-EXTC B





प्रकृति का संरक्षण

वो जो कभी लाया करते थे बारिश, उन्हें उजड़ा देख हमारे नैना बरसते हैं, याद आती है कुछ मतलबी लोगों की साज़िश, जब भी इन तंग गलियों से गुज़रते हैं।

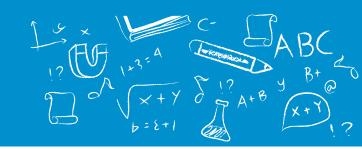
देते थे जो मुसाफिरों को अपनी छाँव की पनाह, अब तो वहां परिंदे भी नहीं ठहरते हैं, पक्षियों की किलकारी की कभी थे जो वजह, आज एक चिड़िया की भी आवाज़ स्नने को तरसते हैं।

इंतज़ार न करो उस दिन का जब गर्मी से झुलस जायेंगे, फल और सब्ज़ियों के दाम जब आसमान से टकरायेंगे सूली से लटक-लटकर जब किसान भी थक जायेंगे या पानी की तरह वायु भी बंद बोतल में बिकती पायेंगे |

इस सपनो के शहर में एक दिन बाढ़ ऐसी आयेगी शीशों के बने चमचमाते घर उस दिन डगमगायेंगे कार छोड़ो साइकल अपनाओ, अभी भी वक़्त है प्रकृति के प्रकोप से वरना पछताते रह जायेंगे।

> कोचर इन्दरकुमार Asst.Prof - EXTC





बीस साल का जवान

हर्ष हो रहा है बड़ा करते हुए ये ऐलान हो गया मेरा भी कॉलेज, बीस साल का जवान आशा करता हूँ कि अब, अपने ही दम पर, बनाएगा एक दिन अपनी अलग पहचान

माना कि आगे की राह, है नहीं आसान गर हम सब एक हों, और ले कुछ ठान, और लगा दे हर प्रयास में अपनी पूरी जान तो वो दिन दूर नहीं जब हम छू लेंगे आसमान

अगले दशक में हो हमारा, देश भर में विस्तार बीस और वर्षों में हम लांघे, वतन की भी दीवार क्या ख़त्म होगा भविष्य में, सब का ये इंतज़ार कि आईआईटी की गरिमा के से हम भी हों हकदार?

> कोचर इन्दरकुमार Asst.Prof - EXTC





THE WATER ENGINEER

I have seen unbelievable things that one cannot fathom out unless one was present when this incident took place to believe this event. How did it all begin?

Well, I was seated on my chair and was reading the newspaper, when suddenly I saw, my popular, long lost friend approach me. I said, "Oh my! What brings my old buddy, the state-famous Water Engineer to my cabin?" With a smirk he replied, "Yes Daniel, it has been a long time since I met you. My work keeps me busy and one such job has brought me here. I will need the help of your NGO." I asked with a smile, "How can I and my NGO assist you, Mayank?" He responded, "I have heard your NGO helps to deal with water related crisis. There's a village nearby named Tradishna-orthogaon. Can you come along with me now to visit that village?" I agreed to join him. After travelling for two hours we reached that village.

The heat in that village was equivalent to the heat used while cooking food. It was sheer hell and there wasn't even a single trace of water. In an anguish tone, I said, "Mayank, why did you bring me to this place? Mayank replied, "Well Daniel, I wanted to tell my plan here since it will make more impact here." I interrupted, "I know this place is facing a drought, I have read the newspaper." Mayank then said, "The newspaper is not publishing the true statics of the rainfall in this place. Besides tell me what those people are doing there?" I heard one of the women praying, "I thank you God for giving us rain but please do give us more since we are going through droughts." I replied to Mayank, "It seems they are praying to the Rain Giving God for rain." He informed me, "That's true but you didn't hear them properly. God is listening to their prayers. They get good amount of rainfall but yet when summer arrives they are facing droughts." I was astonished. I said in amazement, "I have been made aware regarding this for the first time. What do you think is the reason?" He replied, "Based on my research, it's mainly because the wells dry up due to overuse."

Suddenly one man behind us exclaimed, "Oh! Our village, it's facing punishment. Besides I have never seen you both before." Mayank replied, "He is Daniel and I'm the Water Engineer. I have arrived to help this village to get rid of future drought. He will help you with the current situation." That man responded, "I'm the sarpanch of this place. Let's discuss this in my office there with the other heads." We both concurred with the sarpanch and followed him. As we were walking I saw two women staring at us with a tensed face. I ignored that and moved on. Once we reached, we had a round table conference with the two others, Miss Karishma, who was the assistant village head and an engineer from their village. After Mayank proposed his plan, Miss Karishma said, "I'm nearly satisfied with your plan. Daniel, you go and and bring us water. Mayank, you come with me to the resort, which is just on the border of out village." Everyone was shocked there. She secretly explained her motives to the sarpanch. The sarpanch said, "Well we don't take help from others, beyond our village. But that's what she said, so go follow it." I felt that entire scenario awkward but since the orders were given, I followed them.





I reached my office back and I ordered mineral water bottles. Suddenly one of the women, who had been staring at us, entered my office. She said, "Your friend needs help call the police fast."

I asked, "Who are you? Why were you staring at us?"

She replied, "We got less time. See you were lucky to escape." "What do you mean?"

"Our village head and his team are orthodox people. Many from the village are his followers. They harm the people who are against them."

"We are here to help you'll. He won't harm us."

"The problem is Miss Karishma orders that the water from our wells be taken for her resort."

"Oh yes, Mayank was discussing something about this issue."

"My sister had informed the Water Engineer regarding this. Now both their lives are at stake."

"Oh my! He must have already rebelled regarding this. Let's go and save them."

"Yes let's hurry."

While we were rushing, I called the police and told them to reach Tradishna-orthogaon. Once we reached, we saw a crowd. I saw Mayank and her sister, all tied up and being brought forward. The sarpanch announced, "Today, we will be executing two humans as a sacrifice and gift to the Rain God, so that in return we get rain. Suddenly a tornado developed along with rain. The tornado passed through the border of the village, destroying the houses there. The tornado vanished thereafter, however the rains continued. Everyone were happy because of the rains there except for the heads of the village. An angel mysteriously appeared in front of us and said, "I am the angel of the rain giving God. I'm here to inform you all, that God doesn't want human sacrifices. It is these hypocrites who fool you all. This village is gifted with plenty of rain. Try using rain harvesting methods and modern water saving techniques. Shame it hasn't been implemented yet because of your orthodox minds. Leave these two people, stop being orthodox and save water, that's when your droughts will never return." The angel thereafter disappeared. Immediately after all these events, the police came and arrested all the village heads who had planned double murder (and later other charges were added as well to them). Mayank came to me and said, "We have freed them from drought by 50%." I just hugged him simply and said, "Yes, yes we have."

These events had changed everyone's life there. The tornado had destroyed the resort. While after two weeks, Mayank became the head of the village. In weeks to come he modernized the village by implementing so many water saving techniques that the village never faced a drought ever again. Since they had plenty of water available with them, they shared their happiness and blessings by distributing water to other villages, which were having water shortage as well. This is how the Water Engineer helped to bring a water revolution in the village of Tradishna-orthogaon.

Domingos Pinto FE CMPN B





AN EMOTIONAL ROLLERCOASTER – THE WESTERN RAILWAY!

How the people survive THIS rollercoaster is an enigma!

For all my lovely ignorant friends who don't know what all the fuss is about, today I'll take you through it.

So Mumbai has a facility called Railway Trains. I am assuming no one is interested in a history lecture, so we will loyally skip it.

Now, there are three railway lines - Central, Harbour and the infamous Western line. The Western Railway is the best!

There is men's and ladies compartment and then there is first class and second class in both the categories. There are also not so participating 'dabbas' like handicap dabba and luggage dabba. Now, don't you worry there are stories in each and every dabba, although the most colourful and mesmerizing stories are always covered in ladies second class dabba.

This rollercoaster comes in different variants. There are totally empty trains whose frequency is similar to the frequency of the rainbows occurring, Kali trains in which you can sit (without booking), moderately empty trains where you can peacefully stand, crowded trains where if you lift an arm, five people standing beside you will raise their eyebrows (in sync), and then there are over-crowded trains where you can discover various species of monkeys and chimpanzees!!!!

Now, let us go through some protocol followed in the ladies dabba. The first one is booking the seats - IF miraculously you enter the train (Enter is a big word here) and IF you reach the seats (again IF) you start asking where they get down and IF they get down before you, IF the seat isn't already booked, you book it. (Ha, and here you thought there must be a MakeMyTrip for it). The second prevailing system (personally not my favourite) is the shifting system. Here, you don't get to book!! (I know sad). IF (a big one) the lady sitting at the window seat gets up, the ladies sitting beside her shift and shift n you'll probably get the fourth seat (a child will definitely enjoy this seat). Only ladies enjoy this privilege though, the reason.. Your guess is better than mine.

Do I need to tell you that you get to meet different people with different mindsets, different languages, and different dressing sense here? Oh! And the different livelihoods beside the railway tracks you can peek into, that's definitely a bonus right?

But on the other hand, its commendable to find same set of people sitting at the same place for years (taking same 7:43 train everyday)... What punctuality especially when the frequency is 3 minutes!!

Want an adventure? Go catch a train!
Want entertainment? Go catch a train!
Want free motivation? Go catch a train!!!





I hope you virtually travelled a local western train (a rollercoaster indeed!) with me and the experience was wonderful. You should definitely make a point to include this wonderful experience in your little Mumbai darshan tour!

After all who doesn't like an adrenaline rush on a simple boring day!

Kannampuzha Caroline Sebastian SE CMPN-A







A PEACE OF ART

The thing about creative work is that it doesn't require you to be a professional. You make something as a product of your best abilities at the time and you are proud of it. You should be. And just that sense of achievement of completing it makes me feel much better. Trust me my stress-time paintings are no Mona Lisa but DaVinci isn't really mad at me for it. Because my paintings are a way of expressing myself. And it actually isn't about getting a good painting out of such a time. It's actually the process of it all that really brings peace. A few hours of just me myself and I, some music I enjoy and my paints and brushes, Sounds like a vacation to me!

Sure, I can say all that stuff like, oh one should believe in herself/himself or failures are stepping stones to success but this is all easier said than done. Sometimes you just want to take yourself away from such a state of mind and go into a world where you think of absolutely nothing and go with the flow of what's already in the head. This is where the creative senses in you begin to make sense.

Everybody's creative sense has them doing different things as every individual has her/his own interests. It could be making videos, writing, drawing, sketching, painting, dancing, composing some new music and the list goes on. Before you read on I want you to think of where your creative sense takes you, what do you enjoy creating?

I'll pause for you.....

Ok, cool ... Now that you have that in mind, read my experience ahead.

I'm one of those people who love doing a lot of things. I like to consider everything that is put in front of me as a challenge to prove myself and the Barney Stinson inside me always says "Challenge Accepted!" (*adjusts ducky tie*). Little do I realize I have just become a Nobita who says yes to things that can't all be done. What this does is put me in a lot of stress to complete each and every one of the tasks and I end up multithreading my way into all of them. My CPU isn't able to give the proper time required to complete each task. I do manage to succeed in doing about 75% of the work (most of it half-assed) but the rest 25 has me feeling like I'm no good. It puts my self-esteem down at times and I burn out.

Once I reach the stage of burn out I understand I cannot continue further and I seek some temporary sanyas in the Himalayas. So this path of desire somehow always takes me to my paints and brushes. I pick them up, put on some calming music and begin to put colors upon a piece of paper and follow the flow of my mind. Sometimes I end up with fun mandala pieces, sometimes a sheet of paper with splotches of color on it which I then use to write quotes on and at times I do refer an object or a picture and create my art piece. It's mostly all randomness.

Let's address the elephant in the room first; most of us reading this are stressed. It could be about anything - one's work, homework, relationships, friendships, and if you are Leonardo Dicaprio then actual ships. To a lot of us, this stress can take a toll on our mental health and hence our physical health. The body achieves what the mind believes. While trying to balance a good life, we come across a lot of ups and downs. The ups keep





us feeling good but that one down can lead to loss of belief and lead to other downs.

Once I feel content with this short vacay I return back to my actual work with a fresh mind and spirit and I swear on my dearest pasta this vacay actually helps bring a new kind of energy in me and I end up doing my work better than I could have before. I just feel good at the end of it.

So the next time you feel like you are done with it, totally over your work, tired, bored, burnt out, stressed, frustrated or filled with anxiety, just listen to what your creative sense is telling you and do your thing. It'll definitely calm you down and you will be able to be more productive.

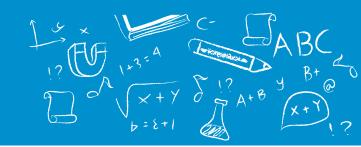
Someone once said with a lisp, "Life is like a race, if you don't run fast enough then someone will walk over and walk past you". I would like to object. Your life's race is one in which you are the only participant and the only person you need to be better than to win in the race is your own self. Winning the race isn't even the best part. Running the actual race is. So don't be too hard on yourself and beat yourself up by stressing too much. Just keep going. Take a detour every now and then to refill. And just remember, AAL IZZ WELL.

And with that, I'll take your leave. I hope this helped you in some way. Thank you for reading patiently.
Yours truly,

Niharika Pattabhi SE IT A







BECAUSE YOU ARE WORTH IT!

There are days when you don't feel like the best version of yourself and then there are days when you do something that nobody thought you could! And it so happens, that on the days you're feeling low, you end up having your worst day ever. There are times when you feel discouraged and unmotivated and the society just keeps adding to your agony. People might even try brainwashing you and you start believing that you're actually not worth it! But no, it doesn't work like that. The society says what it has to. They are not the ones who are going to be there when you are busy achieving the things you wished for and strive hard for that. Your value doesn't decrease based on someone's inability to see your worth. No one can make you feel inferior without your consent. At the end of the day, the only thing that matters is how you feel about yourself and how you take care and motivate yourself to do better even in the worst case possible. So do not let others decide as to how you should feel about yourself. You're doing it pretty well and you'll get to your dream once and that's when you'll realise that it's only you and your near and dear ones that matter the most! So, keep loving yourself and stay strong, just because #YouAreWorthIt!

Anushka Kulkarni SE EXTC A







INNER ENGINEERING

Inner Engineering is a technology for well-being. Let me explain this with a small example. Once upon a time, say the medieval times, a Guru and his disciple practiced penance religiously by spending six months in the forest. After a span of rest, they would continue with the next round of penance. Once after the completion of six months of penance both Guru and disciple were returning to their village.

Before they could set their foot inside the village, they were able to have a glimpse of the roof of the hut blown out by the strong winds which was supposedly for them to stay. The disciple became so disheartened. He started cursing God. He felt that his spirituality was of no use. He was very tired staying in forest with no roof above his head. He expected to atleast spend a couple of months of his life in the village being secure from the severity of forest. But now the roof was blown off.

The Guru on the contrary jumped with happiness. He thanked God for setting such a scenario. He enjoyed the forest with open atmosphere and no roof above their heads. He felt that God has been so merciful to him and he need not experience the feeling of claustrophobia. The disciple found it strange but remained quiet.

In the night, there was a heavy downpour and both the Guru and the discipline were drenched completely. The disciple was red in angry and started abusing God for such a scenario. On the contrary, the Guru enjoyed the rains and started dancing away to glory. The irritated disciple then questioned the Guru, "How can you be so happy now also? No roof above the head and it's raining so heavily". The Guru's answer is actually the take back for all of us.

Guru answered, "A Complaining mind is never peaceful. A grateful heart is always peaceful". To be frank, I don't know God, and I don't know if my prayers would be ever answered. But I know that the right approach in life is feeling grateful in whatever happens in life".

Friends, this is true for all of us. We find room to complain about whatever happens in life. Right from seasonal change, to behavioral attributes of our friends and peers, attitude of society, we have complains about everything.

Once we stop complaining and start accepting the positivity in everything, we would start loving life and feeling grateful for God's creation and the wonderful life we are blessed with.

Remember Man is the most wonderful creation of God because he can emotionally evolve every day. *Maturity is an evolution where every today of yours is better than yesterday".*

Guru thanked God and started dancing again, for giving him a wonderful disciple through whom he can understand the power of positive mind and heart. The disciple also danced away to glory after attaining an elated spirit and understanding the power of positivity.

Ms. G. Anuradha Associate Prof. - CMPN





HOLD THAT ELEVATOR!!

Scene 1

Our first-ever, much-hyped event is about to begin. The audience has settled down. Dignitaries have arrived. Excitement in the air is palpable. But for some reason, the velvet curtains on the stage remain drawn although it's about time. What could have happened? I sit tight, wondering helplessly. Every passing second seems like an hour. I'm breaking into a sweat now. Just then, gauging my anxiety, she quickly comes forward. "Don't worry. Everyone knows their job and they're on it. Just sit back and enjoy the talks! " She says in soft, soothing voice, gently touching my shoulder.

Scene 2

I'm running late today. I have scheduled a long-pending meeting and all the other members have been waiting for me for quite a while. Heavily panting, I make a dash for biometric machine, hoping (actually praying) that the elevator would be on the ground floor. Just then I hear the familiar "ding". "Wait for me…", all I want to say, but the words won't come out as I hurry towards the elevator. "Ma'am, Aa rahe ho?" Somebody calls out from within. He is holding the elevator for me. My student. My saviour. (He is allowed to use faculty lift for medical reasons). "But aren't you going to be late for your lecture?" I ask him as I realise the time is already past the allowed limit.

I can still recollect these small incidences vividly. Motherly affection showered on me when I needed it the most in scene 1, although the "mother" is good 22 years younger than me and managing her first big event as an Overall Coordinator and my saviour from scene 2 was already chasing the Holy Grail of 75% at that time. Any school kid in Value Education class will identify the value in these two stories as "Empathy". Its a cliché. I agree. But that doesn't make it superfluous.

Rebecca Heiss, an accomplished professional speaker and entrepreneur describes empathy in a lucid way: Empathy means "Being able to walk in another person's shoes - no matter how much those four-inch heels hurt you." The latter part of the sentence captures the difference between empathy and sympathy. While sympathy is more about understanding other individual's feelings, empathy augments it with appropriate response. It is a matter of personal excellence that how quickly and deeply you identify somebody else's feelings and come up with suitable action although it might cost something to the empathiser. For example, noticing the urgency to get to my floor quickly and holding of the elevator even though it might mean losing one lecture's attendance.

While empathetic responding comes naturally to some people, most of us need to acquire and master this skill. Empathy might have helped early human beings to start co-operating, build groups and collude towards common goal but it definitely helps us to better our lives even today.





Being empathetic fosters emotional well-being, facilitates resolution of conflict while creating conducive environment for co-operation and innovation. To leverage these multiple benefits, today's corporate world is putting empathy into action.

Traditionally, being considerate was looked down as "too soft" or vulnerable approach to people management in organisations. Not anymore. Companies are being increasingly aware that they have to deliver empathy first to their employees then to the customers and to the society. There are numerous examples to prove that little consideration and flexibility in organisational working ultimately helps in improving productivity and work culture. Sheryl Sandberg, in her book "Lean In" has narrated an incidence how Google founders Larry and Sergei reserved nearest parking places in Google office for pregnant employees. Harvard Business Review has published a list of "The Most Empathetic Companies" based on Empathy Index which highlights the fact that empathy can be as tangible and measurable as any other performance index for work places. The companies rated higher in this list are the ones who retain the best of their workforce, create environments for diverse teams to thrive and ultimately reap greatest financial rewards.

While these are examples from corporate behemoths, empathy can be embedded in our daily lives seamlessly. The two champions of empathy mentioned earlier embody this spirit. Let's be sensitive and show it with right responses. Highlight and appreciate considerations shown by others. Empathy is a two-way street. Hold that elevator for someone!!

I am grateful to Ms. Nitika Rai for making me write this article with her "pleasantly persuasive" style. Creative writing is something which I have been contemplating for some time and it turned out to be a truly rewarding experience. Many thanks to Ms. Karnika Padia for creating this beautiful empathy placard for me.

Dr. Prachi Raut Prof - INFT







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COLLEGE ANTHEM

Lord make me an instrument of your peace.

Where there is hatred, let me sow love.

Where there is injury, pardon, Where there is doubt, faith,

Where there is despair, hope, Where there is darkness, light And where there is sadness, joy.

O Divine Master grant that I may not so me

O Divine Master grant that I may not so much seek

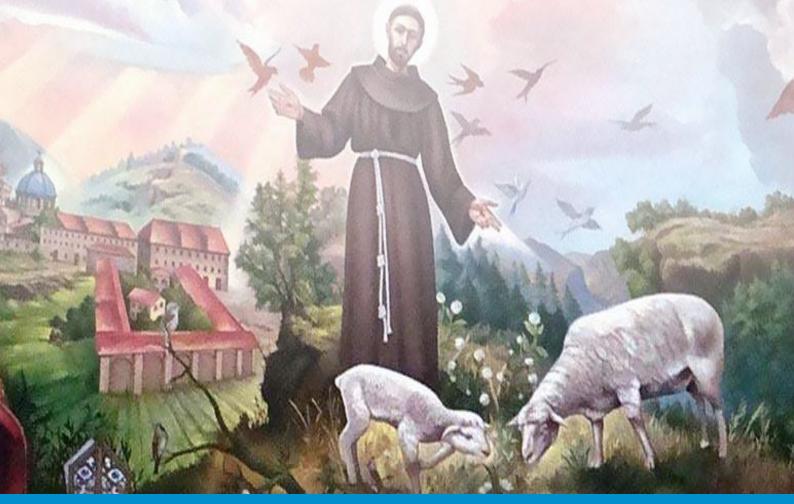
To be consoled as to console, To be understood as to understand;

To be loved as to love; For it is in giving that we receive

It in pardoning that We are pardoned; And it's in dying that

we are born to eternal life.

~St. Francis of Assisi



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