



Visit us at: www.sfitengg.org

DIRECTOR GREETINGS!!

I greet you at the beginning of a New Year and a new semester. The last few months have been eventful for our Institute: we graduated the batch of 2008, with two toppers in University of Mumbai, welcomed the NBA Peer Team Visit, hosted our Annual Tech-Fest MOSAIC, celebrated SFIT Xmas family getogether and last but not the least, achieved yet another milestone by way of kick-starting the construction of Wing B of the Institute. This Newsletter thus reflects the recent doings as well as our future endeavors. We invite you to visit our website, for announcements of forthcoming events and related information, throughout the semester.

The ensuing months boast of similar spear-heading initiatives such as the Annual Day, IRIS, launch of PG program and the like.

Our college has always been supportive as a platform to hone new skills and talents in both the academics and extra-curricular activities. Together with the students and faculty, we would imbibe the many aspects of entrepreneurship by instilling research-related activities and insights.

Come on lets catch up with the lost time!

And let us fulfill the goals and objectives we have set ahead for this New Year with commitment and passion!

Bro. Melchior Tom
Director

FACULTY INDUCTION PROGRAMME

The Eleventh Faculty Induction Programme for the newly appointed faculty members in SFIT and other engineering institutes was organized by Ms. Dipali Savant and Ms. Kavita Sakhardande from July 4 to July 16, 2011. The program began with an inaugural address by Fr. (Dr.) Keith D'souza SJ – Prof. of Philosophy and Religious Studies at St. Pius X College, Goregoan, Mumbai.



Participants of FIP 2011

FIRST YEAR / LATERAL ENTRY ORIENTATION PROGRAM

The FE Orientation Program was organized by the Cultural Committee in collaboration with the Sciences and HSS Department of the Institute on August 29, 2011 to welcome and guide the prospective entrepreneurs towards the engineering environment. Dr. A.C. Augustine (Director, SFIMAR) was the chief guest.



FE 2011 Induction Program

FOUNDATION STONE LAYING CEREMONY

On September 8, 2011, a first milestone in the construction of the B Wing of SFIT Building was achieved with the laying of the Foundation Stone. The Plaque was unveiled by Fr. Berthol Barretto (Parish Priest of I.C.Church, Borivali). Superior General Bro. Jose Valliara CMSF laid the Foundation Stone. Astd. Superior General Bro. George Thottiyil, Bro. Melchior Tom (Director), Bro. Jose K.S. (Deputy Director), Shri. Albert D'souza (Director - ALDEL Group of Institutions, Palghar) along with fellow SFITians and the parents were also a part of this much-awaited moment.

Foundation Stone Laying of SFIT - B Wing



Dr. Thomas Mathew
Academic Consultant

SFIT HAS A NEW ACADEMIC CONSULTANT

Dr. Thomas Mathew (Ex-Director, SFIMAR and Former Director - NITIE) has joined our Institute in the capacity of Academic Consultant. He is a leading personality in academics and his core area is in research - related activities. He is available on Wednesdays and Thursdays between 9.00 am to 5.00 pm in Room No. 208.



Prof. Dimple Bohra secured second rank in the Second Semester exams of M.E. CMPN in the University of Mumbai exams.



Shri. Shamsuddin Khan completed his M.E. CMPN from TSEC Bandra with a First Class.

ACCOLADES

University of Mumbai has the following toppers from SFIT:

EXTC:

Shakib Azam - 6th

Jovita Serrao - 14th

INFT:

Swapnil Gawde secured the 6th rank by scoring 79.6% in University of Mumbai B.E. exams.

PHILANTHROPIC ACT
Rupees 61,500 were contributed by SFIT Staff to help in the Cancer treatment of the daughter of Shri. S.N. Patil, Terna College.



DEPARTMENT OF SCIENCES AND HSS

New faculty in the department: Ms. Deepa Panakkal.

Congrats Prof. Ammal Michael and Prof. Dipali Parab for qualifying the UGC-CSIR NET and UGC JRF respectively!!

Prof. Ravindra Garmode attended a seminar on "Recent Avenues in Higher Education" at Mumbai University on 18th Nov. 2011.

Dr. Poonam Hemnani and Prof. Preethi Colaco attended ISTE Program on "Application of Smart-materials in Technology" from 11th to 15th July, 2011 at VIT, Wadala (E) Mumbai.

Dr. Poonam Hemnani also attended QIP program on "Hydraulics and the Environment" from 1st to 5th August, 2011 at VIT Mumbai.

Prof. Abhay Bendekar and Dr. Radhekrishna Dubey attended FIP programs & QIP "Mission 10x, Highting Impact Skills" in CRCE Bandra, from 1st Aug. to 5th Aug.2011.

Prof. Sunil Pansare attended a CEP Course on ANSYS -13 at VJTI, Mumbai and QIP programs on 'Solar-Photo-voltaic-Thermal Applications' at IIT Delhi from 9th Dec. to 16th Dec.11.

DEPARTMENT OF COMPUTER SCIENCE

New faculties in the department: Shri. Parth Chandarana, Shri. J.E.Nadar, Shri. Ranjit Agashe & Ms. Snehal Kulkarni.

Ms. Priya K., Ms. Pradnya Rane, Ms. Dakshata Panchal are currently pursuing M.E in Computer Engineering.

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATIONS

Ms. Namrata Mankad attended Seminar on 'Mobile Computing' held at St. Xavier College of Engineering on 11th & 12th August 2011.

Ms. Anjali Chaudhari attended QIP on 'Automatic Control Engineering' held at IIT, Mumbai from 5th to 9th Dec. 2011

Shri. Vaqar Ansari attended QIP on 'Automatic Control Engineering' held at IIT, Mumbai from 5th to 9th Dec. 2011

DEPARTMENT OF INFORMATION TECHNOLOGY

New faculty in the department: Ms. Ashwini Kale & Ms. Aruna Pawate.

Shri. Satish Salunkhe and Ms. Vaishali Jadhav alongwith Dr. A.K. Sen have authored books on GUI and Database Management and Advanced Database Management published by Pearson.

Ms. Amrita Mathur and Shri. Mahesh Mali have enrolled for the P.G. program. All the best!!

A workshop on Core Java was conducted for faculty development in Information Technology department from 26th September to 30th September, 2011.

We extend a warm welcome to Ms. Sarla Benny in the Exam Cell!

POST GRADUATION PROGRAMME

It is our earnest endeavor to launch a Post Graduation programme in the existing branches of undergraduate courses. This project is overdue and has to be materialized by the next academic year, 2012-13. We have submitted our application to the University of Mumbai and AICTE for necessary approvals. It is a matter of time that we obtain these approvals! From our end we are ready with all the needed infrastructure and academic support.

LEARNING & INFORMATION RESOURCE CENTRE (LIBRARY)

RESOURCE	NUMBER
Books	18648
CDs	2146
Project Reports	726

- Annual Stock Verification was carried out between, July 1 to July 16, 2011.
- Ms. Chinmayee Bhangе participated/presented a paper on “Cloud Computing for libraries” in the National Conference on Beyond Librarianship: creativity, innovation and discovery organized by C-DAC, Mumbai between, 16-17 September, 2011.
- Ms. Sucheta Prabhudesai and Ms. Chinmayee Bhangе published a paper on Six Sigma Application in Libraries in the Seminar on Application of Six Sigma in LIS Field organized by AISSMS College of Engineering, Pune on September 30, 2011.
- A Free take-away of donated books was organized for staff members on October 1st at the LIRC. This activity was appreciated by many staff members.
- A distinct addition is Video Courses (five in number) from NPTEL following a request from the Department of Information Technology.

TRAINING AND PLACEMENT UPDATES

- Training programme was organized for 7 staff members who have attended Mission 10 X Programme conducted by Wipro Technologies at Father Agnel Engineering College, Bandra from 1st August to 5th August 2011.
- All B.E. students of 2012 batch have under gone training programme organized by T.I.M.E. institute at our college. They have conducted a session on Group Discussions and Personal Interviews and Aptitude Test on 11th August and 18th August 2011 respectively. Results were displayed on the notice board.
- Chitale Personality Development Centre conducted an Aptitude Test and a session on Group Discussion and Personal Interviews for all B.E. students of 2012 batch.
- T.P.O. conducted sessions of students’ feedback for staff on 17th and 18th October 2011 and forms were submitted to the Director.
- Shri. Avinash Krishna Murthy of T.C.S. conducted Orientation Programme for all B.E. students to brief them on T.C.S. recruitment process and their expectations from the students.
- Campus season for 2012 batch commenced from second week of August 2011. Companies like T.C.S., L & T Infotech, Atos , Tech Mahindra, Godrej, M.A.Q. Software, NSEIT visited our campus. Total 176 students got placed so far. Many more companies are expected in January and February 2012.
- On behalf of SFIT, T.P.O. and Asst.T.P.O.greeted 20 and odd companies during the Christmas season (12th to 14th Dec 2011).

STUDENTS ACHIEVEMENTS



Participants of One Day International Workshop on “Robotics with Boe bots and Lynxmotion AL5A held at Xavier Institute of Engineering, Mahim, Mumbai:

Computers	Information Technology	Electronics & Telecommunications
Ajay Siva Flavian Pegado Santosh Reddy Vivek Varshney	Shanu Salunke Atharva Tere	Akshata Nayak Jaina Prajapati

Salina D’britto won the 3rd Prize in A.D. Shroff Memorial Elocution Competition.

PUBLICATIONS

- ❖ Akshay Kulkarni, Sujal Raul and Nikita Shah, under the guidance of Prof. G. Anuradha, authored a technical paper on '**OFFLINE HANDWRITING RECOGNITION USING PARAMTER VECTOR ANALYSIS**'. It has been accepted for publication in International Journal of Image Processing and Applications.
- ❖ Juilee Chitre, Saylee Chitre and Kristel Alphonso, under the guidance of Prof. G. Anuradha, authored a technical paper titled '**COLLEGE INFOBANK**'. It has been accepted for publication in the 'Indian Journal of Computer Science and Engineering' (IJCSE).
- ❖ Neelesh Salian and Akassh Mishra (SPIT, Andheri) have published a paper titled '**INTERNET USING VISIBLE LIGHT**' in the International Journal of Engineering and Technology (Volume 3, Number 5, pages 577-581, October 2011).
- ❖ Amit Sahasrabudhe, Drumil Jaswani, Onkar Pednekar and Rohit Kadam were awarded the **2nd prize in CRESENDO** and **3rd prize in MOSAIC** in the annual technical festivals of Fr. Conceicao Rodrigues College of Engineering and SFIT respectively in the **Technical Paper Presentation** category for their paper presentation on **AUGMENTED REALITY (2010)**.
- ❖ Rohit Kadam developed and published an application - '**METAL DETECTOR**' for the Android operating system for mobile devices (smart phones and tablet computers).
- ❖ Nikhil Mathew has been a ROBOCON member from 2009 to 2011. He has also developed a website for St. Thomas Church. The website is stthomaschurchmiraroad.com.

SPORTS

1. Sports Department of University of Mumbai organized “Half Marathon” on 10th Oct. 2011. Anurag Yadav, Rohit Pandita, Janjo Kallamoor and Lalji Manan, Students of SFIT, participated in the said event.
2. Basketball team of SFIT played first round of match on 14th Sept.2011.
3. Football team of SFIT managed to reach fourth round of Football Tournament of Mumbai University by playing four matches on 16th, 19th, 20th and 21st Sept.2011.
4. Volleyball team played their only match on 18th Oct 2011.

EVENTS GALLERY

Independence Day
August 15, 2011



Bro. George Thottiyil, Vice-Chairman of Governing Council of SFIT hoisted the National Flag.

Teacher's Day
September 5, 2011



SFIT Students presenting the Director with a collage of the SFIT family – captured in a photo frame.

Engineer's Day
September 15, 2011



Release of the sixth issue of the Research Magazine – Sanshodhan by Dr. M.G. Phadnis (M.D. Core Tech; Ex-HOD, BARC, Mumbai)

Fare well to
Shri. Joseph Serrao



Our Workshop Instructor is the first person to retire from his services of our Institute since 1999. He has served the Institute for the past ten years.



SFIT Family Get-together on
Christmas Eve

ELECTION OF STUDENTS' COUNCIL 2011-2012

Election of the Students' Council 2011-2012 was held on August 30, 2011. Mas. Nishad Gurav is the General Secretary.

MOSAIC

Annual Technical Festival of SFIT was organized on the 7th and 8th of October, 2011. Shri. **R.K.Shende**, Ms. **Minal Lopes** and Ms. **Kavita Sakhardande** were the guiding forces.

A series of seminars and workshops were conducted as follows:

1. A seminar on Foreign Studies after B.E. was conducted by GEEBEE On 14 September 2011.
2. A seminar by Young Buzz India Pvt.Ltd. (Young Buzz is a well known Overseas Education Training Institute) on 21st September 2011.
3. A workshop by Microsoft India was conducted in collaboration with CSI on the topic of 'Application Development' on 15th October 2011.

The two days of MOSAIC 11 were a mix of **Robotics, Gaming and Technical** Events with a variety of other **fun-filled informal, Literary and Fine Arts** events.

STAFF PUBLICATIONS
A rich source of scholarly information

DR. RADHEKRISHNA L. DUBEY - 1) Raman scattering and FTIR studies of 100 MeV Fe⁹⁺ ion-irradiated gallium phosphide” - Paper published in "Radiation Effects and Defects in Solids".

DR.T S RATHORE - 1) Digitally programmable amplifier for arbitrary gains - Paper published in Int J Engg & Tech, vol 3, no 3, pp 208-212, 2011
2) Fast digital measurement of low frequencies in a narrow band - Paper published in Int J Engg & Tech, vol 3, no 3, pp 244-249, 2011

PROF. GAUTAM A SHAH & DR. TEJMAL S RATHORE, - An Analog Architecture for Split-Radix DHT, Int J Computer Applications, vol 30, no 4, Sept 2011.

PROF. SANTOSH CHAPANERI - Content-Adaptive Refined Error Concealment Schemes for H.264/AVC Video Coding. International Journal of Computer Applications. Vol 27(7): 36-43, August 2011. Foundation of Computer Science, New York, USA

MS. ANJALI CHAUDHARI – 1) Paper on Trident feed parallel metal plate U shape Omni directional Antenna in International Conference on Advances in Computer Science, Communication and Bio-instrumentation Engineering on 8th & 9th December 2011 at Eluru, Andhra Pradesh, India.

2) Paper on parallel metal plate micro strip line fed U-shape omnidirectional ultra-wideband monopole antenna in National Conference on Nascent trends in Information and Communication Technologies(equinox-2011) on 28th September 2011 at Terna Engineering College, Navi Mumbai.

PROF. JOANNE GOMES – 1) High Speed Video Transmission over Hermite Based UWB 2) Hermite Based UWB wireless link with simplified Receiver
Above papers were published in IEEE International Conference - WICT 2011 Mumbai

MR. SHAMSUDDIN KHAN - Paper “Neural Network and DCT based Facial Expression Recognition”, presented at the 3rd National Conference on Nascent Trends in Information and Communication Technologies, Terna Engg. College, Sept 2011

MS. DAKSHATA PANCHAL -1) “Role of Artificial Intelligence in Hepatitis B Diagnosis”, 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), Dalian China, August 2011. (IJMO; ISSN 2010-3697)

2) Paper: “Artificial Intelligence based Expert System for Hepatitis B Diagnosis”, selected for International Journal on Optimization and Modeling, published by International Association of Computer Science and Information Technology (IACSIT) (ISSN No. 1793-8163)

MS. KAVITA SONAWANE – 1) Paper: “Query based Image Retrieval using Kekre’s DCT and Hybrid Wavelet Transform over 1st and 2nd Moment” published in International Journal of Computer Applications IJCA October 2011 Edition (ISSN 0975-887)

2) Paper: “Retrieval of Images using DCT and DCT Wavelet Transform over Image blocks” published in International Journal of Advanced Computer Science and Applications (IJACSA) November 2011 Edition (ISSN 2158-107)

R & D ACTIVITIES



Ramniklal
Mota



Rakeshsingh
Rana

Design of High Current Motor Controller by Ramniklal Mota & Rakeshsingh Rana (Students BE-EXTC 2011-12)

Various power driven controllers require high current to drive the circuitry. Traditional ICs available in the market have current limitations due to their fabrication techniques. A common solution to overcome this problem is to derive current through a special connection technique of power MOSFETs viz., an H-Bridge connection. High Current Motor controller design is economical and viable solution for such applications. These controllers can be used for varied applications in Robotics and Automation.

EVENTS ENUMERATED

- January 19, 2012: Commencement of Even Semesters
- January 26, 2012: Celebration of Republic Day of India
- February 24, 2012: Annual Day
- February 25 – 26, 2012: IRIS
- March 8, 2012: Celebration of Women's Day
- April 23, 2012: Celebration of World Book and Copyright Day (Dates subject to change)
- May 3, 2012- Even Semester ends.

SFIT College Building B-wing



(View from Dahisar – River Side)

OBITUARY



Ms. Elinor Fernandes-Mirajkar left for heavenly abode on August 20, 2011. She was part of the SFIT family between 2008 – 2009 in the capacity of Lecturer in Communication Skills. *May her sole rest in peace!*