



ST. FRANCIS INSTITUTE OF TECHNOLOGY

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BITS -N-BYTES

A NEWSLETTER OF SFIT
VOLUME 4 ISSUE 2 July – December 2014

VIPULA RAVATE MAKES SFIT PROUD

Just within two years of launching the P.G. programme, SFIT shines bright. Ms. Vipula Rawate who is pursuing M.E. in Computer Science makes us proud by scoring an astonishing 9.82 SGPA and topping the charts with her first year M.E. results! A hearty congratulation to her! She says "I never aimed to top; I just studied, waited for the results and was ready to accept whatever came by". SFIT's discipline and attendance system has in a way helped me to study regularly and achieve this success."



We also acknowledge the contribution she is making to SFIT by teaching our B.E. students. She stresses on the importance of regular studies and advises all the budding M.E.s as well as B.E.s to at least give 2 hours a day for studies. The topper has keen interest in

Semantic web which she believes has the potential to change the search engines completely in 20 years. Also, she wants to develop an expert system on medical diagnosis using the same as her final year project. She idolizes Dr. Abdul Kalam Azad and describes her urge to meet her idol by using a funny analogy "I'm as crazy for meeting him as Mr. SRK was for the President in the movie My Name is Khan."

FACULTY INDUCTION PROGRAM - 2014

Faculty Induction Programme - 2014 was organized between July 1 – 5, 2014 by the Institute. The chief guest of the programme was Dr.S.K Ukrande, Dean Faculty of technology, University of Mumbai. The other dignitaries present on the dais were Hon.

Brother Melchior Tom, Director SFIT Mumbai, Dr.A.K Sen Principal SFIT, Dr.Devane Professor Datta Meghe College, Dr. Thomas Mathew Academic Advisor SFIT and Dr.T.S Rathore Dean R&D SFIT. The inauguration programme was started with the welcome speech by Bro. Melchior Tom Director SFIT, followed by lighting up the lamp by the dignitaries after which the chief guest Dr. S.K Ukrande, Dr. Devane and Dr. Thomas Mathew addressed the audience.



The various sessions organized were as follows:

- Objectives, Effectiveness and Quality in Professional / Technical Education by Dr. Thomas Mathew
- Vision and Mission (ISO awareness) by Mr. Francis D'souza
- Non-Verbal Communication) by Ms. Bhavi Joshi
- Accreditation Process – NBA by Dr. Deepak Jayaswal
- 'Guiding Adolescents through the period of storm and stress' by Shilpa Gangatirkar (Lecturer, Child Care Department, Shri M. D. Shah Mahila College).
- Effective Communication, Contemporary Teaching and Evaluation by Dr. Geeta Shetty
- 'Preparing for a lecture, course file, evaluation Techniques' by Mr. Pramod Shanbhag (HOD – INFT)
- Pre-microteaching session was conducted by Ms. Preethi Colaco and Dr. Poonam Hemnani.
- Microteaching by Ms. Preethi Colaco
- Building Harmonious Relationships by Sister Shreya
- 'Guiding Ethics in the workplace by Fr. Keith D'souza
- Writing a technical paper by Dr. T.S. Rathore
- Online Tools and Techniques for Research by Mr. Santosh Hulagabali (Librarian, Nagindas Khandwala College of Engineering, Malad)
- How to become an effective teacher by Dr. Prachi Gharpure (Principal, Sardar Patel Institute of Technology, Andheri)

A lecture by Brahma Kumari Sister Shreya was conducted in conjunction with the Staff Meeting on July 9, 2014 followed by lunch.

An Orientation was organized by Mr. Pramod Shanbhag (HOD – INFT) for the subject of Microprocessors (TE CMPN) in our Institute on July 18, 2014. A total of 11 participants attended the orientation followed by a display of books on the subject by Educational Books and Periodicals.

Various Orientation sessions were conducted for the First Year students between July 22 to August 16, 2014. Mr. Albert D'souza (Director – Aldel Educational Trust,

Palghar), Mr. Augustine Kurias, Mr. Leslie Rebello, Bro. Vijay Kumar Pereira were some of the key note speakers at the event.

FE (Minority) Parents Meet students orientation was conducted on July 22, 2014.

The FE Orientation Program was organized by the Cultural Committee in collaboration with the Sciences and HSS Department of the Institute on 4 August, 2014 to welcome and guide the prospective entrepreneurs towards the engineering environment; the Chief Guest for which was Leslie Rebello.

FE non-minority parents meet was organized on August 9, 2014.

On 16 August, 2014 parents meet was organized for late admission students.

A Health check up for staff was organized on September 6, 2014.

A Financial planning seminar was also organized on September 6, 2014.

Amey Borkar, a B.E. Final Year student from the Computer Engineering branch secured a Gold Medal in the recent 'Futsal International Tournament' held in Spain.



**Mr. Amey Borkar - BE COMP
Gold Medalist in Futsal International World Championship - Spain 2014**

High soaring grades and SFIT- Synonymous, isn't it? And Vipula Rawate surely did carry on the tradition. But are SFITians known only for their grades? Well No! We excel in every field. Hard to believe and that is the reason why we came in touch with a few fresh talents. All your conceptions are bound to change by the time you reach the end.

Believe in yourself. If you have to achieve something in life you have to believe in yourself and have faith that you can do it. Once you are confident about yourself success isn't far away.

The above line has been said by one of the best football player in our college-Mr. Amey Borkar.

He has always loved to play football, be it in college, school or the streets. Anytime and anywhere, give him a ball and he is ready to play the beautiful game. This same passion has encouraged him to play DSO for his junior college KC for which he bagged a silver medal. He has represented SFIT football team at university and national level.

His and certainly one of Indian Football's biggest feat till date has been winning a coveted 3rd place game against Singapore which not only secured a 3rd place in Asia but also got India qualified for the Futsal World Cup and World Championship.

This is the first time in the history of Indian football that India will be playing a Futsal world cup. Bravo!

Amey gets all this inspiration from his role model Steven Gerrard (England and Liverpool FC). He has been watching him play since the time he was in school. Also his parents have supported him and it's because of their support and faith that keeps him going despite of all the hurdles coming through. College and studies takes away most of his time, but he tries his best to keep practicing. Currently his goal is to get a Master's degree and then think about a career in football.

"God gives gifts to everyone, some can write, some can dance. He gave me the skill to play football and I am making the most of it."-Ronaldinho

And certainly Amey is making the most of it.

LEARNING AND INFORMATION RESOURCE CENTRE

Total Books in the Library (U.G.) = 21903

Total Books in the Library (M.E.) = 1051

Annual Stock Verification was carried out in the month of July 2014.

Updates:

1) A video on Library Resources and facilities was prepared by two of our students - Yogesh Pusarla and Jason Miranda (BE ExTC) and shown to the FE students at the time of Orientation.

2) Mr. Anant G. Yadav (Library Attendant) completed the One Week Training Programme on "Library Operations and Services: New Skills for Library Support Staff" organized from 25th. to 31st December, 2014 at Ramniranjan Jhunjhunwala College, Ghatkopar.

3) Ms. Chinmayee Bhangre and Ms. Sucheta Prabhudesai completed an online course on "Archival Management" offered by SNDT Womens' University, Mumbai between April to August 2014.

4) Ms. Chinmayee Bhangre was awarded the Online Course Grant for the course on "Fundamentals of Preservation" conducted by ALCTS (Association for Library Collections & Technical Services) - a division of American Library Association.

MUMBAIKARS TURNED AGLI MUMBAIKARS

Mumbaikars turned Agli Mumbaikars for a social cause. When we picture Mumbai in our minds, in every scene every picture there is filth, dirt and garbage present. None other than Mumbaikars are to be blamed for this lack of civic sense. Keeping this aspect in mind we "Agli Mumbaikars" wish to bring a change that every Mumbaikar expects or dreams of. Our main objective is to beautify our Mumbai and bring awareness among the common public regarding the need to be keep surroundings clean.

Agli Mumbai has been chosen to conduct mass event on cleanliness drive along with Indian Railway's Western railway Mumbai division on 2nd Oct, 2014 on occasion of Gandhi Jayanti involving "Shramdaan" and awareness activities.

ORIENTATION TO FIRST YEAR STUDENTS

Like every year, in July we have our FE orientation programme. It's been the same over the years only with the SFIT family expanding. Ms. Jovita Serrao who was once amongst the students seated then hosted the event. It began with our College Anthem followed by Saraswati Vandana and lighting of the lamp. Bro. Tom, Mr. Albert, Principal A. K. Sen, F.E. Co-ordinator Ms. Michael Ammal addressed our students.



A special address was from a Second year student Ms. Asha Jacob who gave our fresh lot of students a glimpse of SFIT. The students and faculty were then given a rose each. After the break Mr Leslie Rebello who got chocolates for all the students created a friendly environment. The students were then informed about the Library, SFIT Library. They got a virtual tour from the video shown by our very own librarians. And just to make our fresher's aware of SFIT and the fun around there was a SFITians Corner video which was liked by all. Lastly, the students were briefed about the SFIT Chapters.

INDEPENDENCE DAY CELEBRATION

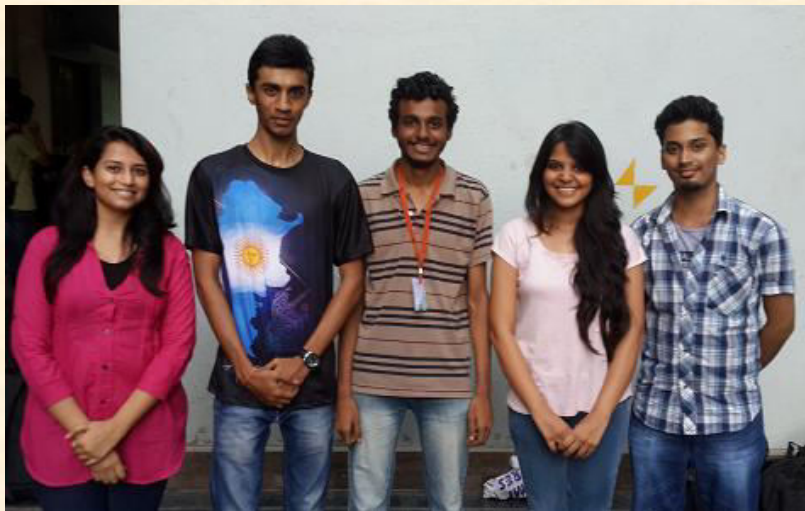
Independence Day was celebrated on 15th August as every year with an introspecting speech by Father John Rose (Director, Xavier Institute of Technology). There were cultural performances that enthralled the audience. The students of third year put forward a great show and it was hosted by the then Cultural Secretary Ms. Anupama Jinde.



CELEBRATION OF TEACHER'S DAY

Teacher's Day was celebrated on September 10, 2014 with much fervor. Cultural Programmes added to the festive occasion and games such as Kaun Banega ChocolatePati – 2 had the staff rolling in laughter followed by snacks and personalized gifts.

Student Council members were also introduced on the same day. The following are the members:



From Left to Right: Brugisha Patel - Ladies Representative, Omkar Vaidya) - Technical Secretary, Adarsh Ashok - General Secretary, Sanchita Harlalka - Cultural Secretary, Shravan Rao - Sports Secretary.

DEPARTMENT OF

INFORMATION

TECHNOLOGY

Ms. Joanne Gomes, Ms. Vandana Patil, Ms. Mrinmoyee Mukherjee, Ms. Priti Parab had attended two week STTP on "Control Systems" conducted by IIT, Bombay at SFIT from 2nd December, 2014 to 12th December, 2014.

Student Chapter (ITSA) Activities:



One day seminar on "**Bluemix**" was conducted by **IBM** organized by ITSA for students of IT & CMPN by Mr. Khalid Ziya of Deutsche Bank at SFIT on 2nd & 3rd March '14.

The ITSA-SFIT had organized two days **Industrial visit to C-DAC, Pune** on 14th & 15th September, 2014 for students of IT, CMPN & EXTC.



Staff & Student Publications

Ms. Nazneen Ansari

Nazneen Ansari, Sushant Patil, "User Interaction Using Expert Top Analysis" in International Journal of Engineering Research & Technology, Vol.3, Issue 8, pp.1369-1374, August 2014

Ms. Minal Lopes

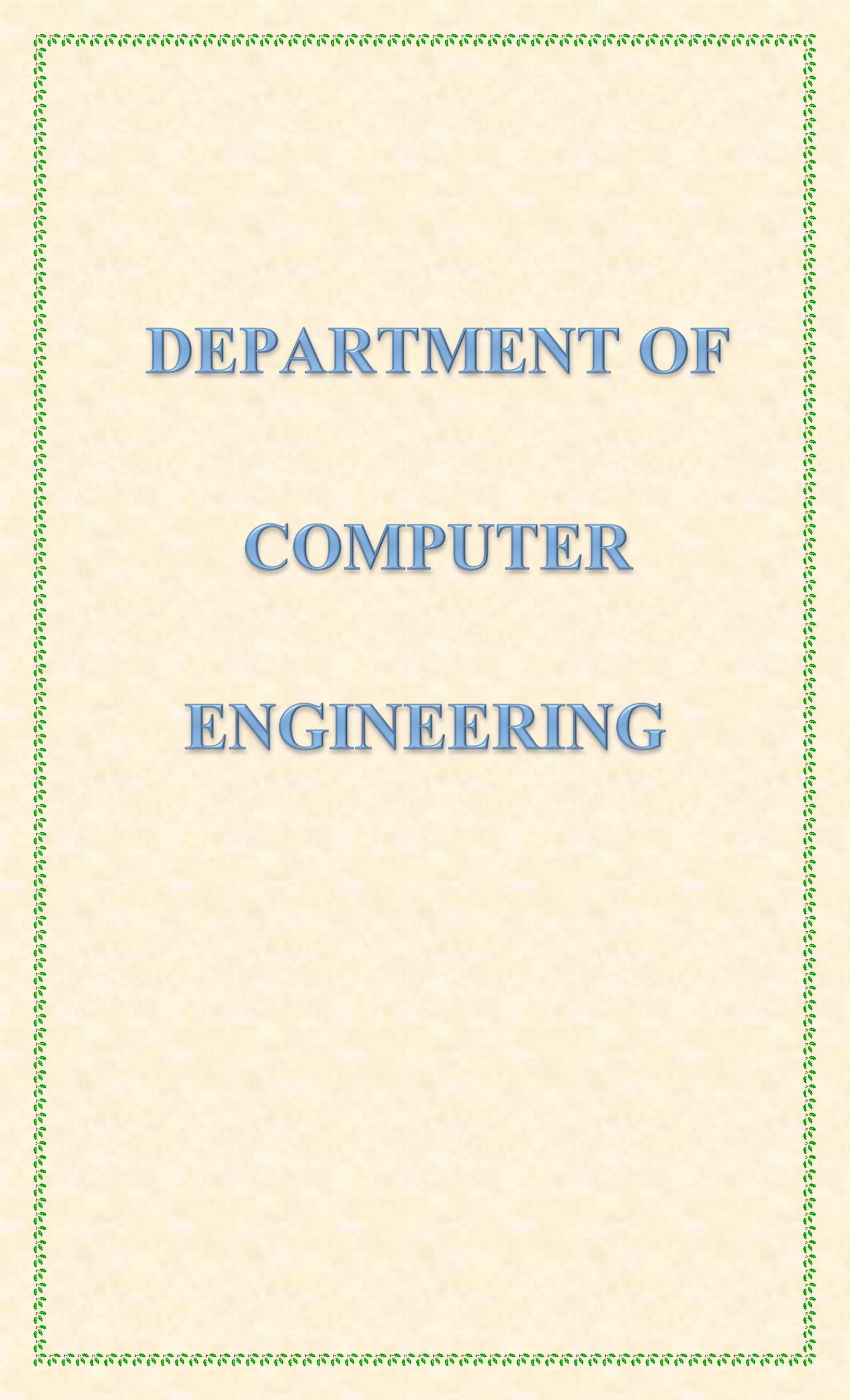
Minal Lopes, Dr. Nisha Sarwade "Cryptography from Quantum Mechanical Viewpoint" in International Journal on Cryptography and Information Security, Vol. 4, Issue 2, June 2014

Ms. Monalisa Kini

Monalisa Kini, Kavita Sonawane, Shamsuddin Khan, "Secured Authentication Using Mobile Phone as Security Token" in International Journal of Scientific & Engineering Research, Vol. 5, Issue 7, pp.1410-1415, July 2014

Ms. Mudra Doshi

Mudra Doshi, Bidisha Roy, "Efficient Processing of AJAX Data Using Mining Algorithms" in International Journal of Computer Engineering & Technology, Vol. 5, Issue 8, pp.48-54, August 2014



DEPARTMENT OF
COMPUTER
ENGINEERING

Faculty Achievements/Activities

- Ms. Vincy Joseph was the workshop coordinator for 2 week IIT workshop on "Cyber Security" from 10th July 2014 to 20th July 2014
- Mr. R. K. Shende, Ms. Kavita Sonawane, Mr. Shamsuddin Khan, Ms. Dakshata Panchal, Ms. Pradnya Rane, Ms. Jayashri Mittal, Ms. Safa Hamdare attended 2 week IIT workshop on "Cyber Security" from 10th July 2014 to 20th July 2014
- Safa Hamdare got Research Grant from Mumbai University in the Oct 2014 for the Project Title "An Adaptive Evaluation System to Test Students' Caliber using Item Response Theory".
- Ms. Nidhi Gaur, Dr. Vikram Shete attended ISTE Approved one week STTP on "Linux Network Programming", from 15th-19th December 2014 at TSEC, Mumbai.

Student Achievements/Activities

- The following students of CMPN Department are doing their final year projects with Persistent Systems Ltd: Ms. Yasha Ballal, Ms. Tanya Emmatty, Ms. Jeni Joe, Mr. Nigel Fernandes and Ms. Rhea Alexander
- The final year result of CMPN Dept for 2014-2015 batches was 96.45% with 54 students passing with distinction. Congratulations to all the students.
- The M.E – CMPN Sem II (2014-2015 batch) result was 100%

Publications

| Author(s) name | Title of the paper | Journal / Conference title, Vol., Issue No., Page Nos. | Month and Year of Publication | Impact Factor / ISBN No./ ISSN No. |
|--------------------------|--|--|-------------------------------|--|
| Bidisha Roy, Mudra Joshi | EFFICIENT PROCESSING OF AJAX DATA USING MINING ALGORITHMS | International Journal of Computer Engineering & Technology (IJCET), Volume 5, Issue 8 (2014) | August-2014 | Impact Factor: 8.53 ISSN Print : 0976 – 6367 IS SN Online: 0976 – 6375 |
| Bidisha Roy, Mudra Joshi | Efficient Processing of AJAX Data Using Horizontal Tree Approach | International Conference on Advances in Computing and Information Technology | December 2014 | |
| Mudra Doshi and Anuradha | Proposed Framework for | International Conference on | August-2014 | ISSN 2250–2459 (Online) |

| | | | | |
|---|--|--|------------------|--|
| G. | Semantic Web Services | Advances in Communication and Computing Technologies - 2014 | | |
| Priyanka Patil , Anuradha G. , Dr.. A. K. Sen | Recommendation on Efficient Data Extraction for Web Data | International Journal of Engineering Research and Technology | July-2014 | Vol. 3 - Issue 7 (July - 2014) e- ISSN: 2278-0181 |
| Bidisha Roy, Prajyoti Lopes | Action Based Rational Recommendation Using Web Usage Mining | International Conference on Advances in Computing and Information Technology | December 2014 | |
| Monalisa Kini, Shamsuddin S. Khan, Kavita Sonawane | Secured Authentication Using Mobile Phone as Security Token | International Journal of Scientific & Engineering Research(IJSER), Volume 5, , Issue 7, pp 1410-1415 | July-2014 | ISSN 2229-5518 |
| Aashish Jagdale, Shamsuddin Khan, Kavita Sonawane | Data Mining and Data Pre-processing for Big Data | International Journal of Scientific & Engineering Research(IJSER), Volume 5, Issue 7, | July-2014 | ISSN 2229-5518 |
| Brinal Colaco, Shamsuddin Khan | Privacy Preserving Data Mining for Social Networks | International Journal of Engineering Research and Technology(IJERT), Volume. 3, Issue. 08 , | August - 2014 | ISSN 2278-0181 |
| Nikhil Gajra, Shamsuddin Khan | PRIVATE CLOUD DATA SECURITY: SECURED USER AUTHENTICATION BY USING ENHANCED HYBRID ALGORITHMS | International Journal of Computer Engineering & Technology (IJCET), , Volume 5, Issue 8, pp. 80-87 | August - 2014 | ISSN 0976 – 6367(Print), ISSN 0976 – 6375(Online) |
| Elizabeth Gorge, Shamsuddin Khan | Prediction of Taxi-out time using a novel Q-learning approach | International Conference on Electronics, Computer Science and Information Technology (ICECSIT-2014) | 5th October 2014 | C.NO/ICEC SIT/ERKN/ 05/10/2102 |
| Nathan D'lima, Shamsuddin S. Khan | FOREX Rate Prediction using A Hybrid System | International Journal of Engineering Research and Technology(IJERT), Volume. 3, Issue. 11, | November 2014 | ISSN 2278-0181 |

| | | | | |
|--------------------------------------|--|--|------------------|--------------------|
| Foram Shah, Shamsuddin S. Khan | Review on usage control enforcement | International Journal of Engineering Research and Technology(IJERT), Volume. 3, Issue. 11, | November 2014 | ISSN 2278- 0181 |
| | | | | |

CSI- SFIT

Seminar on Technical Paper Presentation

SFIT, 8th Oct. 2014, Wednesday

A seminar was organized by the CSI on 'Technical paper presentation', conducted by the college prof. Dr. Vikram Shete. The seminar started at 3:15 PM at the college assembly hall. Majority of the participants were students from the Third year, while a few first and second year students also showed up, totaling up to 24 students.

The point of focus for the seminar was to answer the basic questions all students tend to have, viz. Why to present a paper? What topic a paper should be published? And finally with whom do you publish a paper? Dr. Vikram started off the seminar explaining students the meaning of research with the help of a simple stair step diagram. Today we are at the initial step of the staircase and our research is the factor that determines our position tomorrow.

The next we discussed were the reasons why we should publish a paper, wherein students were enlightened about their social responsibilities as an engineer and that research is human nature. Dr. Vikram supported this point by showing us the example of how we research personally about almost anything like the restaurants reviews or even a trip plan.

After this the session focused on 'With whom should we publish a paper?' Here Dr. Vikram discussed in brief about different paper formats such as ACM, IEEE, IETE among others and also mentioned the differences between a journal and a conference.

Lastly some links were provided for the eager learner so as to help him get access to online contents and templates for IEEE paper formats. Session ended with the crowd applauding and expressing thanks to Dr. Vikram for sharing his valuable knowledge.

Workshop on Ethical Hacking on 6 and 7th September, 2014

A workshop on 'Ethical Hacking' was organized by the Computer Society of India-SFIT on the 6th and 7th of September, 2014, in association with Skynet secure Solutions Pvt. Ltd. It was attended by 72 students in total, out of which 15 were CSI members and 57 non CSI members. The workshop was conducted by Mr. Sachin Dehdia. The workshop was supervised by CSI-SFIT coordinator, Mrs. Vandana Patil.

Mr. Sachin Dehdia addressed the workshop with a brief introduction on various frauds that are happening around the world and especially how insecure India is. Sir then explained the importance and need for ethical hackers and how they can help curb this. His session gave a sense of responsibility to students and changed their perspective of hacking. The first half of the session focused on getting the students acquainted to the Keylogger. We made use of 'Award Keylogger' during the course of the workshop. The students were taught the function of each tool, the appropriate values to be used to be a good hacker, etc. The first half of the session was enough for students to create enthusiasm for the entire course.

Methods were taught to check the vulnerability of websites using simple commands to be used in the address bar. Later using the SQL injection method, the vulnerable websites were used to try out various sql injection methods like logging into an account without knowing username and password, extracting information from the database of a website etc. The instructors too, were very helpful and friendly and made it a point to attend every doubt raised.

Students were also taught to use the kaali Linux software. Following this, methods were taught to spoof the calls. Steganography-Ways and methods were taught to hide some text behind a picture file and to decode it. After this a small competition was kept where in students were told to hide a message behind a text file and give a hint. PCs were swapped and the students were told to decode the message using hints. It was an entertaining and interesting part of the workshop. 5 students were declared as the winners and they received best student certificate. This activity relaxed the students which was much needed to start with most crucial and hard core hacking, using the kaali Linux, and the system tools in it, ways and methods were taught to attack a website and to access a blocked website. Followed by this phishing technique was taught and extracting password and username using kali Linux. Using a software, it was taught how to recover lost data from any device, for the workshop, pen drives were used. After this, ways and methods were explained to use someone else's wifi or to hack and change their password.

These were the activities or hacking technique taught in the 2 day course. Sir then concluded the session by making the students aware of the knowledge they gained in these two days to be used in an ethical way

and also explained the scope of ethical hacking course. The workshop ended and all students left the room with a broader knowledge about ethical hacking.

All the participants were provided with participation certificates as well as tutorial videos and guides for hacking techniques and softwares which contained some useful resources that would enable them to get an edge over the knowledge they acquired throughout the workshop. The Ethical Hacking Workshop was very well received by all the students.



(Mr. Sachin Dehdia – Resource Person)

(Participants of the workshop)



DEPARTMENT OF

ELECTRONICS AND

TELECOMMUNICATIONS

IEEE WORKSHOP ORGANIZED

Filters play a significant role in all RF/Microwave applications. The emerging applications of wireless communication continue to challenge the filter designs with more and more stringent requirements. Realizing this importance, a 2 day workshop was being organized by the EXTC department under IEEE SFIT STUDENT BRANCH (ISSB) with Ms.Anjali Chaudari, Ms.JovitaSerrao and Mr.Inderkumar Kochar being the resource persons at St.Francis Institute Of Technology.

On 24th September,2014 the workshop began by felicitating Bro. Melchior Tom (Director SFIT), Dr.A.K.Sen (Principal, SFIT), Mr.Rajkumar Shende(Coordinator, IEEE), Dr Gautam Shah(HOD, EXTC dept) and Ms. Anjali Chaudari. Introduction to filter design and realization at different frequencies from KHz to GHz was followed. Post Lunch session filter was designed for given specifications using IE3D software after which PCB fabrication was done using the iron and peeling method in groups.

On 1st October,2014, testing of filter was being done using vector network analyzer (VNA) and then the group with best filter design was being given a cash prize of Rs. 1000/-.

The objective of this workshop was to develop interest in the areas like microwaves and Antennas and encourage the students consider such topics for their research.



MOSAIC'14

As per the culture of St. Francis Institute of Technology, every academic year a technical festival is organized for aspirants assembling from various engineering colleges with a very high competitive spirit to participants and with the strong determination to include their achievements and accomplishments to their resumes.

For the preceding academic Year 2014 Mosaic-14 was being held with the same enthusiasm and determination among the new set of student coordinators, student volunteers and faculty coordinators on the 19th September. This fest was organized every year with the objective to provide platform for the students to showcase their talent with a competitive spirit.

The event was successful enough to attract ample registrations which include all the events.

The fest was executed with many events planned and organized at its best of quality. Focusing on the types of events to include in the fest was decided by fest coordinators keeping the interest and need of the engineering student into consideration, with little emphasis on the fun full events behind the scene. To name a few, there were events like Kon Banega Codepati, Battle of minds, Get Set Code, Tweet Hunt,



TRAINING & PLACEMENT ACTIVITIES

- TCS Industry Expert Briefing about IT industry status for BE Sem VII students - 12th June 2014.
- TPO briefing to ME - 2nd year students - 12th June 2014
- Industry expert CMC conducted workshop on Bigdata etc. - 17th June 2014
- Infosys Campus Connect was completed successfully in 4 batches - 24th June to 6th July 2014. Certificates of completion received from Infosys and distributed to the students.
- TCS - TPO Meet - 30th June 2014 attended
- Infosys Inspiration 2020 successfully completed with 75 students participants and 3 faculty participants - June 2014. Prizes won by the faculties.
- System in place Higher Studies (India, Abroad) register of students 2014-15 – June 2014
- A technical briefing was conducted by Indus Towers about Networking & Telecommunication Industries Expert for VODAFONE/AIRTEL. Students and a few faculty members attended the same - June 2014
- Training on Aptitude Tests, GD was successfully conducted for BE Sem VII students by external experts - 5th July onwards.
- Training on Communication Skills/Soft Skills was successfully conducted for BE Sem VII & TE Sem V students by external experts from IMS - 7th July onwards.
- Training on Advance Technical Skills was successfully conducted by external experts – 8th & 9th July 2014 for BE Sem VII students.
- TPO conducted Pre Placement Talk to BE EXTC Students to boost their morale for IT industry - 24th July 2014
- Briefing session on Internship at US and Overseas Scholarship Programmes in reputed universities was conducted by Kareer Krafter for Pass Out Batch 2014 - 25th July 2014
- L&T Infotech TPO Meet - 31st July 2014 attended
- 2 students completed internship at ONGC – July 2014
- Briefing session on Internship at US and Overseas Scholarship Programmes in reputed universities was conducted by Kareer Krafter for BE Sem VII students was conducted - 2nd August 2014
- MTNL for short training module on advance area for TE & BE (EXTC) students – 5th August 2014. MTNL GM Visited in this training
- TPO – CII meeting completed – 7th August 2014
- 45 students completed Internship (Online) with WeChat. Internship duration was from 18th August 2014 to 17th September 2014. Certificates of completion and stipends received from WeChat and distributed to the students.
- Successfully conducted Mock Online Test in lines with TCS - 6th September 2014 & in lines with Capgemini and other corporates - 14th September 2014 by external experts
- Briefing session on Internship at US and Overseas Scholarship Programmes in reputed universities was again conducted by Kareer Krafter for BE Sem VII students was conducted - 6th September 2014
- Briefing session on GRE exams & Overseas higher studies was conducted by external experts for SE & TE students - 17th September 2014.
- TCS Codevita Competition completed with 89 students participants - September 2014.
- Infosys Aspiration Competition successfully completed with 24 students participants - September 2014
- R&D projects for PG/ Faculties (Team Members 3 nos) in computer field industries – Informos/ Pune & MOU made by us. Project started in Sept 2014. Work is in full Progress.
- Briefing session on GRE exams & Overseas higher studies was conducted by external experts - 10th November 2014.
- Setting up of Intel Excellence Laboratory in our college. Contract is under discussion and in advance stage. Signed MOU in November 2014 for setting lab in SFIT
- Association for ROBOTICS carried forward with JG ROBOTICS, Mumbai who will support us 3D PRINTER technology/training of students /internship & design of one product free of cost. MOU is being drawn for total association

TPO Briefing Session - FE students



Capgemini Placement Drive



TPO Counseling Session for BE students



GD Training Session - BE students



Aptitude Skills Training - BE students



TPO Briefing Session - BE students



TPO Briefing Session - TE students



Plans Ahead...

RECRUITMENT DRIVE—PHASE-1-SEPT & OCT 2014 VISIT ARRANGED

Recruitment leaders COS 6nos -TCS, CAPGEMINI,L&T
INFOTECH,PERSISTENT,IGATE,NEEBAL TECH

152 nos from 2014-15 batch is already recruited.

Two shipping industries Pheonix & Westline Shipping Services inducted to our college & first time visit for recruitment 2014-15 batch in November 2014

RECRUITMENT DRIVE-PHASE-2- 4 NOS COS VISIT ARRANGED -

Shipping industries PHEONIX SEA SERVICES,WEST LINE SHIPPING,CACTUS COMMUNICATION, CLOUD FRONT TECH during 11th to 18th Nov 2014.

RECRUITMENT DRIVE-PHASE-3 will start in Dec/Jan. Cos in pipeline appointment taken to visit after exam in(16th---19th) Dec 2014/Jan 2015—
QUINOX,MINDCRAFT SOFTWARE, Infinite Computing System, Monster College Campus & many others

INFOSYS—Campus Connect Training Program - MOU ending in DEC 2014 have been renewed & approved by INFOSYS. MOU SIGNED IN Nov 2014 FOR NEXT 2 YEARS UPTO Dec 2016 - Approval from Infosys under process

19th —24th Dec 2014(Aptitude & technical& communication-BE-unplaced/-TE/SE & 5th Jan to 7th Jan 2015(campus konnect) - BREAK AFTER EXAM

BE unplaced eligible students approx.100 nos APTITUDE SKILLS - 3 DAYS-external experts & optional

TE-VI Sem students-open for all (one area is compulsory) ---APTITUDE SKILLS & BASIC TECHNICAL TRAINING (total 4 days)—external experts

SE - IV Students open for all---COMMUNICATION SKILLS—external experts & optional

INFOSYS-Campus Connect – TE – Sem VI Training Programme scheduled 5th Jan to 7th Jan 2015 by our internal faculty team. Updated MP-4 module by our exp faculties for TE-VI students. Open for all and optional



ANGEL'S CLUB

SEMINAR FOR SENIOR CITIZENS FOR TECHNICAL TRAINING

The seminar on 17th September, Wednesday, was on the Internet Access, basic use of Microsoft Word and smart-gadgets. This seminar was entirely conducted by students from Second and Third year. 30 volunteers were present for helping the senior citizens. It was held in the Computer Center on the 1st floor of the Institution. 35 members of the Dada Dadi Park attended the seminar.



The seminar started at 3:00 p.m. with the basics of Internet access, followed by booking Railway tickets online and online bill payment. A group of three students; Stanley George, Ruchi Bhuta and Adwait More from TE CMPN A conducted this

session. Every senior citizen had a computer for themselves and was assisted by a volunteer. The session lasted for 30 minutes.



It was followed by the basics of Microsoft Word like changing fonts, styles and sizes of texts, saving documents, adding tables to documents, etc. A group of three students; Pooja Ekbote from TE CMPN A, Anu Abraham from TE IT B and Michelle Alva from SE CMPN A conducted this session. This session was wrapped up in 30 minutes.



The last session was on smart-gadgets; adding and saving contacts, messaging, and the use of Whatsapp. A group of four students; Chintan Mistry and Nikita Jadhav from TE CMPN A, Jainam Gandhi from SE EXTC A and Marita Sequiera from TE IT B conducted this session. The members without a smart-gadget were provided with one by the volunteer assisting them. The session was over by 5:00 p.m. Since every member had a volunteer assisting them, they could get their doubts solved instantaneously. The members were provided with a feedback form after all the sessions. The senior citizens were served with refreshments. Towards the end, one of the senior citizens, on behalf of them, thanked Angels' Club for organizing the seminars.



SEMINAR FOR SENIOR CITIZENS BY CHEF & NUTRITIONIST
DAY-1

Angels' Club of St. Francis Institute of Technology organized a seminar for the senior citizens of Dada Dadi Park, LIC Colony, Borivli. The seminar was conducted on 2 days, 2 hours on each day. On the 16th of September (Day-1), the subject of the seminar was 'Healthy Diet', which was conducted in the Seminar Hall on the 1st floor of the Institution. 35 members of the Dada Dadi Park attended the seminar.



Chef Mr. Sudhir Pai gave a talk on the subject, followed by Dietician Ms. Faiza Jummal. Mr. Sudhir Pai is Executive Chef at Holiday Inn Mumbai International Airport. The Director of the Institution, Bro. Tom Melchior welcomed the Chef by presenting him with a token of appreciation. Mr. Sudhir Pai was accompanied by three of his colleagues, Mr. Luke Rodrigues, Mr. Vasant Khot and Mr. Niranjan Gooduru. He talked about food pyramid, water intake, juices benefits, juice glycemic index, herbs and styles of cooking aided by a PowerPoint Presentation. The presentation was followed by an interactive session wherein he answered to a lot of the queries raised by the senior citizens. He ended his session with a demonstration of the recipes of veg salad and grilled vegetables.





Dietician Ms. Faiza Jummal is a Nutritionist and Wellness Consultant currently working at the Nucleus Medical & Diagnostic Centre & Seabird Medicare pvt ltd. She was accompanied by Dr. Sabiha D'souza. The Dietician was welcomed by the Director. Ms. Faiza talked on Nutrition for Elderly. She conducted a Health Risk scoring test for the audience, which was followed by an interactive session. Everyone present there was served with refreshments. The seminar was over by

6:15 p.m.



FOOD DRIVE

Objective:

Our aim behind this initiative was to feed the underprivileged street families that reside on the Borivali-Dahisar station road.

Approach:

We decided to donate specific food items to these families. Each family was to be given one bag that contained half kg packets of uncooked rice, dal, sugar, and biscuit packet. So in order to go about this we set up a stall on the ground floor of

our college near the Xerox store. Samples of each were kept there with their costing. People had the choice of either donating in cash or kind. They could either get any of the specified things from home or pay for the items there at the stall itself. Food was then bought according to the collection made. The event was a great success.



CLOTHES DRIVE

Objective:

Our main objective was to donate as many clothes in good condition as possible to the underprivileged.

Approach:

An announcement about this drive was made in college by the volunteers and clothes were collected from the staff as well as the students as and when they brought it. Finally all of them were collected and donated to Karuna Hospital on the 20th of September. We got an extremely good response and hope to get the same amount of cooperation henceforth as well.



E-CELL

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SFIT

THE E-CELL ORIENTATION

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- WHAT'S ENTREPRENEURSHIP ?
- WHAT'S THE E-CELL ?
- WHAT CAN THE E-CELL DO FOR YOU ?
- WHY SHOULD YOU BE AN ENTREPRENEUR ?

COME AND KNOW MORE ABOUT THE ENTREPRENEURSHIP CELL IN YOUR CAMPUS !

DATE: 6TH SEPT ● FE 1, FE 2, FE 3 : 1pm to 2pm
VENUE: ASSEMBLY HALL ● FE 4, FE 5, FE 6 : 2pm to 3pm

ENTRE-PRE-NEUR



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The purpose of this event was to orient all the newly admitted First Year students with the E-Cell and its activities, as well to familiarize them with the concept of Entrepreneurship. The event comprised large-scale networking activity, as well as orations delivered by a student entrepreneur from SFIT, Mr. Nikhil



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Shirsath, and two alumni speakers who're also the founding members of the SFIT E-Cell, Mr. Mithil Raut and Mr. Flavian Pegado. This event was attended by all **350+** **First Year students.**

Mr. Nikhil Shirsath is a final year (BE) student at SFIT, and is also the co-founder of two campus companies, Agli Mumbai and LynxSolution. Agli Mumbai is a social startup that aims to remedy the unhygienic conditions of Mumbai's streets, railway stations etc., while LynxSolution is a Web Development company that also creates Software products. His complete profile may be found at <http://in.linkedin.com/in/nikhilshirsath>



Mr. Mithil Raut is an alumnus of SFIT (2010-14), and is currently a Research Assistant at SFIT. He is one of the founding members of the SFIT E-Cell, and was also part of a team that made it to the top 12 teams worldwide in the 2014 MakerFaire Mars Rover Competition in Paris, France. His complete profile may be found at <http://in.linkedin.com/in/mithilraut>

Mr. Flavian Pegado is an alumnus of SFIT (2010-14), and is currently a Research Assistant at SFIT. He is one of the founding members of the SFIT E-Cell, and in 2014 was selected for the Design-Innovation Workshop by MIT-USA. His complete profile may be found at <http://in.linkedin.com/pub/flavian-pegado/68/821/38b>

Seminar on “Entrepreneurial Traits” by Mr. Rahul Arora on 24/09/14.

No Registration Fee
Open To All



Limited Seats
Register Quickly!

Presents

ENTREPRENEURIAL TRAITS

A seminar by:

Mr. Rahul Arora

CEO, Institutional Equities Business, Nirmal Bang Pvt. Ltd.

Previously Stock Editor at Bloomberg UTV,
Anchor & Senior Research Analyst for CNBC-TV 18.



Discover the essential qualities of an enterprising individual,
and gain a small insight into global financial factors,
and how they can affect an entrepreneurial venture.



Date: 24th Sept, 2014
Time: 3 P.M. Onwards
Venue: Seminar Hall

To Register, Contact:
Aishwarya TE EXTC A 9969816425
Simran SE CMPN A 9819810604
Vishal SE CMPN A 9920357840

This seminar was held in order to acquaint the students with certain essential qualities of an entrepreneur as well as to introduce them to financial factors that



could affect an entrepreneurial venture. This event saw an attendance of over **50 students**.

Mr. Rahul Arora is the CEO of Institutional Equities Business, Nirmal bang Pvt. Ltd.



Prior to this he was one of the main catalysts, as a Stock Editor, for the creation of the Bloomberg-UTV Channel, and was also an Anchor and Senior Research Analyst for CNBC-TV18, and has subsequently appeared as an expert consultant on

television several times. His profile and additional details may be found at

<http://www.moneycontrol.com/elite/profile/rahul-arora-3054.html>

http://en.wikipedia.org/wiki/Rahul_Arora

Hands-on Entrepreneurship Workshop hosted by SFIT E-Cell conducted by NTA in association with IIM-Ahmedabad on 25/10/14.

This workshop was hosted by the SFIT E-Cell in the SFIMAR Assembly Hall, and was conducted by the Nurture Talent Academy in association with IIM-Ahmedabad. It comprised of several detailed sections including Idea Generation, Business-Plan Creation, Marketing, Finance, Intellectual Property and more. It also served as a preparatory workshop for the international B-Plan Generation competition called 'Masterplan IIM-A' that would be held by IIM-A as a part of their fest Confluence 2014.

The workshop saw an attendance of **62 students** that included 31 SFIMAR Students, 18 SFIT Students, and 13 students from various other colleges from places as far as Ahmedabad to Gujarat.



To stimulate faculty development, SFIT had sponsored Ms Anjali Chaudhari (Assistant Professor, EXTC Department), Mr Inderkumar Kochar (Assistant Professor, EXTC Department) and Mr Chetan Mishra (Student, ME EXTC) for a two week certified course on "High Frequency Structure Simulator (HFSS)", a simulator, widely used for research in microwaves / RF / electromagnetics, held at International Centre

for Radio Science (ICRS), Jodhpur, Rajasthan between December 15-27, 2014 which would help them to design and analyze novel electromagnetic structures.

About HFSS: HFSS is a commercial finite element method solver for electromagnetic structures. The acronym originally stood for high frequency structural simulator. It is one of several commercial tools used for antenna design, and the design of complex RF electronic circuit elements including filters, transmission lines, and packaging.

Course Structure: The first week consisted of theory, simulation and analysis of different high frequency structures and the second week was based on designing, optimizing, fabricating and testing of the antenna.

Work done during the course: The course began with the introduction to Microwave Remote sensing and its applications followed by the designing and simulation of E Plane Tee, H Plane Tee and Magic Tee.

Various parameters of the mentioned microwave components were studied which includes 3 D Model of the structure, Assignment of Wave Port, Field Distributions (E plane and H Plane) VSWR Plot, Radiation Pattern, Gain and Directivity. The obtained output was verified with the available theoretical results.

In addition to Microwave components, Design and analysis of others structures like Dipole antenna, Rectangular Patch antenna with inset feed and coaxial feed, Cavity Resonator, Horn Antenna and Bandpass filters was done and the results for the same were observed and interpreted.

Optimetrics is one of the important feature which is loaded in HFSS wherein, various parameters to be varied can be fed at the same time for different frequency range which other simulators don't have. The results for the same can be observed in one graph which makes it very easy to pick up the optimum structure. An exercise on optimetrics was given to us based on Inset feed rectangular patch antenna where we had to design the structure first theoretically and then simulate and optimize. The results for the same were noted.

The optimized structure was fabricated using the ironing method and then tested. Radiation pattern was obtained using the turn table method and the VSWR plot was measured using the test bench and the VSWR meter. We could also measure the amount of Power transmitted by the antenna as ICRS had the facility of signal generator. Thus the gain of the fabricated antenna was calculated and measured.

Course Outcome: This course helped us in learning a simulator which would be useful for us to analyze all high frequency structures which would help in deeper understanding of the operation of the same.

High frequency structures (Antennas and microwave structures) is my area of interest, hence this course has given me the clarity of the same.

Course Application:

1. Pursuing higher studies.
2. Guiding Post graduate/Undergraduate students
3. Antenna and Microwave laboratory development.

The course ended with the valedictory function which had the feedback session from the participants and the certificate distribution.



WE WILL REMEMBER YOU.....



Aakash Shrivastava , our student of BE INFT expired on 10th October, 2014.

It was the lowest emotional point experienced by SFITians. It was a heavy loss for Aakash's family, friends and everyone connected to him. There was an after funeral event organized where entire SFIT family was gathered to pay condolences to

Aakash. May his soul rest in peace!