Rhapsody

TRANSITION

Anuja Fegade
Elec Sem 2

PRINCIPAL'S MESSAGE

AS THE NEW ACADEMIC SESSION UNFOLDS AND FCRIT STEPS INTO YET ANOTHER BEGINNING, IT HAS A LOT TO SHARE.

THE CALL OF THE HOUR BEING TRANSITION, OUR FOCUS IS ON THE ACADEMIC AND ETHICAL IMPROVEMENT. WE ARE ORIENTING OURSELVES TOWARDS THE REQUIRED CHANGE THAT IS INEVITABLE AND NECESSARY. WITH THE CHANGE IN THE PEDAGOGICAL PRACTICES WHICH HAVE LARGELY DIGITALISED IN THE RECENT YEARS WE TOO HAVE UPGRADED AND EVOLVED.

OUR EXEMPLARY SUCCESS LIES IN THE COMPLETION OF THE NEW BUILDING, SHIFTING THE DEPARTMENTS AND MAKING PEDAGOGICAL AND ASSESSMENT PROCESSES MORE TRANSPARENT AND CLEAN.

OUR MAIN SHIFT HAS COME IN ORIENTING OURSELVES TOWARDS BEING MORE APPROACHABLE AND TECHNICALLY MORE EFFICIENT, OPENING UP THE DOORS TO COLLABORATIONS WITH INDUSTRY, ENCOURAGING STUDENTS FOR MORE AND MORE COURSES, INTERNSHIPS AND THUS BRIDGING THE GAP BETWEEN ACADEMICS AND INDUSTRY.

THE SHIFT IS ALSO TOWARDS DEVELOPING HOLISTIC AND ALL ROUNDED PERSONALITIES WHO WOULD BE READY TO SHOULDER THE RESPONSIBILITIES OF THE NATION AND THE PROFESSION WITH PRIDE.

THROUGH THIS THIRD ISSUE OF THE FCRIT ENEWSLETTER I WOULD LIKE TO CONGRATULATE ALL THOSE WHO HAVE BEEN A PART OF THIS JOURNEY IN HANDLING THE FRAGILE SUBJECT OF SHIFT; AS IT REQUIRES CONSTANT POSITIVE ENDEAVOUR TO MOULD THE STUDENTS AND THE SELF FOR THE BETTERMENT OF THE COMMUNITY.

I WOULD ALSO LIKE TO CONGRATULATE THE E-NEWSLETTER TEAM FOR SUCCESSFULLY COMPLETING ONE FULL YEAR WITH TWO SUCCESSFUL PUBLICATIONS THE PRESENT ONE BEING THE THIRD!

Dr S.M Khot

EDITOR'S NOTE

by Tuhina Bose

European Renaissance was one time when the world underwent a major transition. Then onwards the shift of power from the aristocracy to the masses, industrial revolution, coming together of the commonwealth nations, the two world wars, globalisation and lately liberalisation are some of the milestones of transition that is constantly waging a war against dogmas.

When I use the word liberalisation it signifies the way education and the academia is making a shift in its attitude and approach. The ever persisting myth of,

'education being the domain of the elite' - is changing,

that, 'it is all about the grade that one scores and not the

understanding one shows'- is questionable now,

'A person with an artistic acumen is a misfit

in the scientific world'- has become an outdated thought!

The world looks up to smart innovative and creative beings with an honest and professional approach towards one's discipline. The world has learned to value talent and is being truthful in rewarding and appreciating those deserved.

While these evolutionary shifts have happened in the progressive western world, Indian institutes and the academic creed is yet to witness them. While India has enormous reserves of talent and scientific knowledge, few find a deserving place in the existing system. It would not be wrong to say that the Indian education system stands suffocated, starved and stagnated and requires a complete revamping and overhauling to let the coming generations breathe.

It isn't the changes that do you in. It is the transitions. Change is not the same as transition. Change is situational: the new building, the new syllabus, the new team roles or the new policy. Transition is the psychological process people go through to come to terms with the new situation. Change is external. Transition is internal.

Unless transition occurs, change will not work. In other words, there can be any number of changes, but unless there are transitions, nothing will be different when the dust clears. FCRIT as an organisation is trying to credit itself with these very transitional processes in the coming years. In its ardent effort to gift a fresh and an amicable system to its student and faculty base, this newsletter is but a gentle step.

Wishing many transitional and creative thoughts to its readers!!

A Message from the Dean of Student Welfare

By Bindu S

Transition or change as we know it is an ongoing phenomenon wherein one should be ready to accommodate the lifestyle changes and shifts that come to one's share. Transition or changes are expected by all in their lives. A baby shows a choosy behaviour for the baby food if the same flavour is continued. That is the reason that even Cerelac is available in multiple flavours.

As a teacher by profession change is something I see every day. The best part is one can see the transition of a teenager into an adult. The beautiful metamorphosis of life from one stage to the other...! While the phenomenon encompasses and includes a massive experience and learning it is also something that needs to be taken in a positive streak else it could result into a turmoil or a confusion. Everyone undergoes natural transition in a life cycle. But undergoing an intentional and wilful transition needs a lot of effort, it needs the skill of an artisan, who moulds the soil and shapes it the way he wants. A student similarly needs to acquire the skill of an artisan to mould his/her character as per the need of the time.

The character which thus develops is her/his identity.

A transition is easier if one believes in oneself.

Life is
a journey,
not a
destination.

RALPH WALDO EMERSON

Cover

Story

CSI HACKATHON

"We cannot solve our problems with the same thinking that created them"

-Albert Einstein

Sometimes it is all about changing our thought processes. We need to pause and peruse. You may just have kept your mind all open and suddenly you get an epiphany. A new idea. Your own Eureka moment. That is when you actually hit upon a pot of gold. And this is how the scientists and innovators push the envelope and elevate technology to the next level. And in this way, the world progresses.

It was 7 a.m. on the third of February. The students, armed with their coding skills and brimming with excitement, gathered on the fifth floor of the new college building. They braced themselves as they registered for the very first Hackathon conducted by F.C.R.I.T, which commemorated the Mumbai Chapter of CSI Technext 2018, in association with IIT Bombay.

The participants had chosen their problem statements prior to the competition, which catered to an array of domains comprising Blockchain, Machine Learning, Data Mining and Virtual Reality. In the Open Source lab (2), glued to the PCs and laptops, they sat and brainstormed the most efficient ways to implement their respective solutions. It was indeed a race against time, as the students had to do it all within a duration of only 12 hours, which even included some breaks in between.

After the first two hours, the participants proceeded to the Seminar Hall for the inauguration of the CSI event. They were joined by the participants of the Technical Paper Presentation Competition. The blessings of Almighty were invoked by lighting the lamp and the recitation of a small prayer. Our dear Principal, Dr. S.M. Khot welcomed everyone with warmth. Ms. Shilpa Karkera, the CEO of Myraa Technologies and also a judge of Hackathon, spoke to the students and urged them to upgrade their skills. Secretary of the CSI, Mr. Ajit Joshi, was the Chief Guest for the event. He encouraged all to learn beyond the curriculum and delve into the fun of programming.

The CSI Convener, Mrs Shweta Tripathi, delivered the vote of thanks, expressing her gratitude to the Principal and Rev. Dr. Fr. Ivon for their guidance and support. The HODs and the teachers were appreciated for their constant cooperation. The students were thanked for their enthusiastic participation in the competitions. And the members of the CSI committee were lauded for their dynamism in organizing the event. Then everyone went for the tea-break to reenergize themselves.

The Hackathon participants returned to their work and started with full gusto. But there was also an Ice-Breaker session in store for them. It was an informal one, where they had a chance to introduce and speak about themselves. Some of the employees of Myraa Technologies were also present. They and the CSI committee members ensured that a relaxed environment was provided to the participants. An atmosphere of fun and learning could prove to be more conducive than that of just mere competing. Ms. Karkera too boosted the morale of the students. She also gave an insight into her company and displayed some of the projects her team had undertaken. A quiz to test the knowledge of the participants regarding the latest technologies was also conducted. Everyone was focused on the singular goal of getting the right solution, but also enjoyed the thrill of experiencing something new. A lunch break followed after sometime.

There were a few hours left. The teams had almost reached the climax of their solutions, but some more finesse was required. Rejuvenating themselves occasionally with some tea and snacks, the participants worked on perfecting their solutions . At this point, the judges came in for inspection and checked what each team had done.

The clock struck seven!

All the teams seemed to be content, as their hours of efforts had borne their fruits. But the day was not over. There were a few fun prizes to be awarded. The Early Bird prize was given to the contestant, who was the first one to arrive in the college premises. The winner of the quiz was announced. A Lucky Draw winner was also determined by using the Randomizer.

The next day, on the fourth of February, the participants girdled themselves for the final lap. Each team had to give a presentation on the solution that it had implemented. All the teams had succeeded in displaying their prowess in competitive programming. But soon, the results were to be announced. They waited with a baited breath. Yash Putran, Saurav Kanchan, Pratik Salunke and Owais Khan from RAIT bagged the first prize for their solution to 'Connect the Disconnected with Blockchains'. Vinay Vishwakarma, Prathamesh Patade, Vishwas Singh and Harshit Rai from F.C.R.I.T bagged the second prize for their solution to 'Detect Small Parts and tag it.' The winners were felicitated by Ms. Karkera. The icing on the cake for these winners was that they had secured internships with Myraa technologies and were given the freedom to work on projects related to the domains like Artificial Intelligence and Machine Learning. Furthermore, they were to be honored on February 10 at IIT Bombay in Victor Menezes Convocation Hall.

Competitions like Hackathon give an opportunity to the students to break free from their mundane schedules and experience the joy of programming.

ANNAPURNA PANDITA-
Computer Semester 6

Departmental Events

EXTACY

Extacy was a two day event held under the IETE ETSA committee. It was held on the 19th and 20th of January 2018. The first day comprised of two events namely Robo Turbo and Robo zone. The Robo Turbo event was basically a race amongst robots. A race track with many hurdles and obstacles, thus increasing the level of competition, was designed. The team whose bot completed the track in the lowest possible time with minimum penalties was awarded the first prize. Robo zone was another great event where the main aim was to arrange four coloured blocks in their respective coloured position in the predesigned stadium using a robot. With over three rounds of elimination, the team which completed the task in the lowest possible time with minimum penalties won the first prize. With these two exciting events, day one of Extacy came to an end.

The second day was even more exciting. With four events on the second day, the participation and enthusiasm of students increased further. The first half of second day had Robo Soccer and Robo Sumo. Robo Soccer showcased some excellent soccer matches with bots trying to score goals against each other constantly.The Robo Sumo event caught everyone's attention with various designs of sturdy and tough bots for fighting.The strongest bot eventually won the competition.The first half of second day came to an end with these two events.

After a short break the events for the second half started. Crossword and Circuit making were the two events. The Crossword event had three rounds and all the crosswords were purely electronics based. Knowledge in electronics was put to test in this event. Circuit making on the other hand tested the logical minds and their ability to develop circuits and use the breadboard properly. With the given components, the participants had to interpret the circuit and design the circuit on the breadboard. With all these events the two day fest of the EXTC department finally came to an end.

JETIN MATHEW-
EXTC, Semester 6

CSI EVENTS

The Seminar was conducted on February 23rd, the second day of Etamax 2018. It comprised two sessions.

Session 1- Cybersecurity

Thanks to the incisiveness and adroitness of certain minds, the technology has witnessed so many advancements, which have placed the world at our fingertips. Getting access to any information has never been this easier. However there are miscreants around who use this vantage for wrong purposes. There has been a major increase in the number of cyber crimes committed in a year. Hence, arises the need to spread awareness of Cybersecurity. Cybersecurity is needed to check the misuse of data and ensure its authenticity and its availability to the right owners.

The esteemed guest, Mr. Suresh Menon has been in the IT industry for more than 30 years. He has earned his merit as a Certified Ethical Hacker from the EC Council and also conducted various seminars on Cybersecurity. A fact he emphasized on was that the hackers feed on the greed and fear of people. And information was the new gold. Steal the ransomware and you have got all the access to any information about a person you need. The addiction to internet was cited as one of the main causes of cybercrime. Various types of cybercrime were explained such as identity theft, invasion of privacy, phishing, cyberbullying, counterfeiting or forgery.

It was the need of the hour to preserve the integrity and the confidentiality of data. Mr. Menon described certain ways to stay safe from such cyber crimes such as 2-factor authentication and net safe banking. The session was made interactive by a few videos. 'Muh Pe Tala' by the Mumbai Police, warned the viewers to never reveal important personal information such as the ATM number or CVS. A humorous advertisement regarding password management was also shown. He even talked about a few professions related to the Cybersecurity field- Security Analyst, Cyber psychologist, CISO and CSO. The main message he aimed to drive home was, 'STOP, THINK, CONNECT.'

Session 2- Project Management and Finance Planning

Change governs the concept of Project Management in its totality. We start a project with some basic blueprint in our minds. But subsequently, we see that the blueprint in our minds regresses in clarity and becomes more blurred and distant. This is ordained to happen because with time, the important parameters of the project also get modified. Hence the project needs to adapt to the changing dynamics. And so do the team mem-

It was yet another informative session by a decorated alumnus, Mr. Linto Kolancherry. Mr. Kolancherry had graduated from our college with a Bachelor's Degree in Computer Science in 1998. He is now an IT architect, with nineteen years of working experience in the IT industry. Capgemini and Tata Communications are some of the top companies he has worked with. At first, he explained the Project Management principles. He emphasized on their importance, by citing the examples of architectural marvels such as the Burj Khalifa and the Bandra Worli Sea Link. Hence, he defined project as an individual or a collaborative enterprise which possibly involved research and design that were carefully planned.

The various phases of a project- initiation, planning, execution, monitoring and controlling and closure were described. Mr Linto then talked about Finance Planning, which is the lifeblood of a business organization and the key to a successful project. Finance comprised two related activities, the actual process of acquiring funds and management of money. The students also learned about Capital Expenditures (CAPEX), which are the funds a business uses to purchase major physical goods or services to expand the company's abilities to generate profits. Operating Expenses (OPEX) referred to the ongoing expenses to run the basic business. They are fully tax deductible in the year they are made.

After this session, the winners of the Cryptex competitions- Decrypto and Technical Treasure Hunt were felicitated. These competitions had been conducted for the second year students of the department by the Cryptex Committee.

<u>Decrypto</u>

First Prize-Tejesh Jadhav
Second Prize- Sithin Deshpande
Third Prize- Ahan Fernandez

Technical Treasure Hunt

First Prize- Shruti Kannat, Saumya Kesar, Kesar Mani, Nimmy Augustine

Gloria Benny, the CSI President delivered the Vote of Thanks. It had been an excellent seminar for the students of the Computer Department, as they had broadened their horizon in the important domains of Cyber Security and Project Management and Finance. Seminars like these help us get a greater perspective into industrial trends and help us in making more informed choices regarding our careers.

ANNAPURNA PANDITA,

COMPUTER, SEMESTER 6

MECH
CALIBRE/TORQUE

CALIBRE 2K18 AND TORQUE

Fr. C. Rodrigues Institute of Technology, Mechanical Engineering Department and MESA in collaboration with SAEINDIA student chapter organized "CALIBRE 2K18", a techfest of two days on 23rd and 24th of March 2018. CALIBRE 2K18 included technical competitions with a whooping Prize of Rs. 90,000/-

The events conducted on 23rd were such as "Battle of Bridges", where use of ice-cream sticks was there to make the strongest bridge possible of trusses and joints. Also "Cannon Ball", where all you have to do was build a bot that can be controlled to throw the given ball at specified targets. To test the mastery in practical as well as theoretical knowledge there was an ultimate quiz challenge called "Quiz-o-phile" in addition there was a "Robosumo" competition, in which the team had to destroy their opponent by their bot, it was just like a traditional Japanese sumo match.

To add more variety there was also a very interesting event called "Aquaton", in which the remote controlled bot had to pass through a floating moving maze that constantly keeps on changing and was filled with obstacles. Students not only from FCRIT but also from different parts of the country participated with great enthusiasm.

The 2nd day had highlighting events such as "National Level Project Competition and a Technical Paper Presentation Competition". The day started with the inauguration ceremony. The main objective of National Level Project Competition and Technical paper presentation competition was to allow students of different engineering institutes to showcase their innovative ideas and enhance their skills and knowledge in the field of engineering. After a long time event called Torque which was conducted by SAEINDIA(SOCIETY OF AUTOMOTIVE ENGINEERS INDIA) student chapter, in which there was a race competition to test the remote controlled internal combustion Buggy. Last but not the least there was a prize distribution ceremony in which all the winning teams were awarded with a cash prize and a certificate. Almost 300 registrations were received for CALIBRE 2K18.

JAMBOREE (ISHRAE)

This academic year saw its beginning with the intercollegiate mechanical department fest held at Saraswati College of Engineering where in students from our college participated and received certificates for the same. This event was organised under ISHRAE Mumbai Chapter which is a society of Heating, Refrigeration and Air Conditioning Engineers.

The event was held on 13th January, 2018. Various competitions like Technical Paper Presentation, Mock Interview, Poster Presentation etc. were conducted . Aditya Patil from Mech Sem 6 has won consolation prize for mock interview.

DEPARTMENTAL SEMINAR

During ETAMAX 2k18 Mechanical Department had organized two seminars.

VORTEX FORMATION,USES AND ITS APLLICATION
Prof. S.D. Sharma from IIT Bombay delivered the session on "Vortex Formation". Various causes of Vortex and the effects caused by it were discussed briefly during the session. Also videos pertaining to the same were shown. Different examples related to vortex like human heart, birds flying in a specific pattern, taking-off and parking of aircrafts in the tarmac etc. were explained. In all, the session was very helpful as it opened doors for research in a very interesting field.

TAIL-LESS HELICOPTER
Prof. K.P. Karunakaran also from IIT Bombay delivered the session on "Tail -less Helicopters". We were initially informed that 86% of the helicopter accidents are a result of tail failure. This brings us the need for innovation and the requirement for development of tail-less helicopters. Various videos of modern as well as primitive tail-less helicopters were shown to help us understand the rise of this concept. The fact that IIT-B themselves are developing a tail-less helicopter made it even more interesting and beneficial for the attendees.

SYJU ALEXANDER & JABEZ JAMES
Mechanical Semester 6

CSI TPP - IT

"Curiosity is the wick in the candle of learning."

With the world changing rapidly and technology transitioning, from mass production to smart production, it has become important to not limit learning only to classrooms but inspire young minds by the marvels pre-existing around us and to assist them to create new ones.

Hence to encourage innovation and foster technical creativity among the young audience, Fr. C. Rodrigues Institute of Technology, Vashi conducted Technical Paper Presentation on 3rd February 2018 as a Pre-event under TECHNEXT 2018. This event was organized under CSI (Computer Society of India) Technext 2018.

Based on the topic-Nascent Technologies, participants put forward their ideas, research work, proposals and implementations in the form of a technical paper formatted in terms of IEEE standards and presented them in front of the audience.

The inaugural ceremony commenced at 9:00 A.M and was graced by Fr. Ivon D' Almeida Managing Director, ATEC, Vashi, Dr. S.M. Khot Principal, Ms. Shilpa Karkera from Myraa Technologies, Mr. Ajit Joshi Secretary CSI, Mrs.Anuradha Bhatia Professor at VES Polytechnic and Dr.(Mrs.) Asha Kunte Tech Mahindra. All dignitaries enlightened the students with their words of wisdom.

Around 32 groups comprising of 3-4 members each from various engineering colleges participated in this event. Red Tacton(Human Area Networking), IoT, self-healing, Virtual and Augmented Reality, Quantum computing, etc were some of the presented topics. Participants were evaluated on the basis of paper and PPT presentation skills, followed by a Question-Answer round. 5 teams were announced as winners where the first two teams were felicitated in the TECHNEXT 2018 event held on 10th February at IIT BOMBAY.

This event helped enthusiasts to showcase their talents, the amount of effort and research they had put into presentations and above all, to enhance and gain knowledge. It was indeed a great success.

OLIVIA BISWAS
IT Semester 4

ELECTRICAL EVENTS

The first-half of the academic year 2018-19 ushered in a slew of amazing events, as the Electrical Department continued to scale greater heights.

How to write a Technical Paper (IEEE)

The academic year of 2018-19 began with the event, 'How to write a Technical Paper'. This was organized by Dr. Bindu S, the HOD of the Electrical Department. It witnessed participation of many students from all branches. Throughout her presentation, she imparted a lot of knowledge to the students regarding the IEEE format and the techniques to write the Technical Papers effectively. She also explained the importance of an impactful PowerPoint presentation. Tips on avoiding plagiarism were highlighted by her. She concluded her presentation by imbibing in students, the motivation to participate and present papers in technical fests conducted at collegiate as well as inter-collegiate level.

Intra-Departmental Quiz Competition (IEI)

A Quiz Competition was conducted on January 19. 50 students had chosen to participate and out of those, 20 were selected for competing in the main event. Four teams, each comprising five members, were formed. The excitement in the Quiz was heightened by the addition of interesting rounds such as the 'Visual and General Knowledge', where each team had to answer 6 questions and each of those questions had to be answered in 30 seconds. The top 2 teams were awarded with certificates. The event had been a huge success.

Cleanliness Drive (EESA)

A Cleanliness Drive was organized as a social activity by EESA on February 10. The Mini Seashore in Vashi and the public garden near it, were chosen as the places to promote our Cleanliness Drive. Students of the Electrical Department from all semesters, partook in this activity to spread awareness about the necessity of keeping our surroundings neat and tidy. The Waste Collection Department of NMMC not only rendered its help to us while cleaning up the seashore, but also gave us the privilege to hear its Head talk about the procedure of Waste Separation and its importance. The efforts of the students had borne their fruit, as at the end of this drive the Mini Seashore wore a more beautiful and sparkling look.

Torque (EESA) – Departmental Fest

On February 17, EESA organized the Electrical Department's fest, 'Torque'. Students- be they First Year, Second Year or Third Year, showed great enthusiasm and ensured the fest's success by vigorous promotion and maximum participation. The events were spearheaded by the Third Year students.

Three events were conducted for the day, in different time slots. The Quiz Competition was the first event. The event was coordinated and managed by Prajakta and Avadhoot, with Inshaal as the guide. There were 9 teams, with 2 members in each of them. The difficulty level of questions increased subsequently with the rounds. Two teams, both comprising Second Year students, bagged the top two prizes.

'Pirates Of The Circuits' was the second event. The coordinators for this event were Kaveri and Shweta , along with Aishwarya as the guide. The challenge for the participants was that they had to identify the faults in the given circuit and rectify them. Out of 18 teams which participated, the teams led by Third Year students Bennadit and Anindita, won the first prize and the second prize respectively.

The last event was 'Melt the Metal'. Ankita and Mayuri were the coordinators. Sutej was the guide. 19 teams, each with 2 members, had participated. 7 teams were shortlisted for the second round and 4 teams made it to the final round.

Robotics Workshop and Robosoccer(IEEE)

18 groups, each with 4 members, had shown the interest in displaying their flair for Robotics. The Robotics Workshop was conducted on February 18. The members of IEEE-CRIT - Mr. Mohit Patil, Mr. Pranav Kulkarni and Mr. Shekhar Prasad organized the workshop on Level 1 Robotics. The participants were provided a hands-on experience in building simple Level 1 Bots.

On February 19, the highly anticipated 'Robosoccer' competition began. The teams pitted their self-made Bots against each other. There was a competitive aura all around. It had been a thrilling event. The group led by Kaveri Patil bagged the first prize.

Python and App Development Workshops(IEEE)

The IEEE-CRIT conducted workshops on Python and App Development in order to widen the technical expertise of students. Python is a user-friendly language, which has found a large number of applications in important fields such as those of Artificial Intelligence and Machine Learning. It is also used as a tool for web-development. 31 students had attended the workshop. The Third Year students- Mr. Mohit Patil, Ms. Vaibhavi Patil, Mr. Joel Miranda and Mr. Robin had endeavoured to introduce their juniors to the language and help them learn the basic concepts and the ways of implementing them. They guided the students in writing sample programs in Python and developing apps for calculation and gaming.

Techpulse (IEEE)

The much-discussed event 'Techpulse' was organized in the last week of February. It was a two-day event.

On the first day the State Level Project Presentation Competition 'Technovention' was organized. In all there were 24 teams, each comprising 4 members. The participants exhibited their innovative projects based upon the latest advances in technology. The project 'Autonomous Driving Car using Neural Network', implemented by a group of students from VIT bagged the first prize. The project on 'Sign Language Translation', conceptualized by a team from our college won the second prize.

'Techzoah', a State Level Technical Paper Presentation Competition was organized on the second day. The number of participating teams was almost the same as that of the first day. Certain groups had presented papers on the projects, which they had displayed for Technovention. A team from RAIT won the first prize for presenting a paper on 'Indian Language Identification using ANN'. A paper on 'FPV Surveillance Bot' presented by students of our college won the second prize.

The winning teams in both the competitions had been awarded with cash prizes.

semesters on 'Environment Sustainability'. The topic pertained not only to their syllabus but also to one of the biggest concerns of humanity today. Mr. M. M Patro, an additional chief engineer in NPCIL, gave an informative talk on 'Electrical Safety' to the Final Year students and the ME students.

Project Presentation Competition

Vidyut-Annual Seminar

An annual seminar by the Electrical Department 'Vidyut' was organised on February 24, in order to bridge the gap between the curriculum prescribed and the actual industrial demands. The seminar consisted of two sessions. Dr. Ivaturi Rao from the Tata Power Company Ltd in Mumbai spoke to the students of fourth and sixth semesters on 'Environment Sustainability'. The topic pertained not only to their syllabus but also to one of the biggest concerns of humanity today. Mr. M. M Patro, an additional chief engineer in NPCIL, gave an informative talk on 'Electrical Safety' to the Final Year students and the ME students.

Expert Lectures (IEI)

Many Expert Lectures were conducted for the students of all semesters in the department. People of great renown in industry, had been invited to share their wisdom and experience with the next generation of engineers.

Students' Achievements

Project Presentation Competition

1st Prize- Pranav Kulkarni, Aboh Ngoacha, Sharun Shibi for 'Weather Monitoring System'

2nd Prize- Sutej Mota, Shekhar Prasad, Avadhut Gopale , Parab Parth for ' Single Phasing Preventer and Overload Protection for Three Phase IM'

3rd Prize- Mitalee Babulkar, Meenakrishna Nair, Jayam Nadar , Bennedit for ' 2D Printer using CNC mechanism'

Anindita Samanta, Rajat Sharma, Renuka Chavan, Riyaz Dange for 'Lock using Arduino'

GRACE ABRAHAM-
Electrical Semester 4

KOUSHIKI SARMA-
Electrical Semester 2

Agnel Social Cell- Exploring Happiness

'We rise by lifting others'
-Robert Ingersoll

The Agnel Social Cell is an initiative by FCRIT to provide a platform for students to help others and bring about a positive change in the society. In the first half of 2018, ASC organized three events -Cleanliness Drive, free Health Checkup and a visit to Mukta-Jeevan Ashram.

Agnel Social Cell stood by the old adage 'Cleanliness is next to Godliness', by conducting a cleanliness drive inside the campus on Republic Day. The drive began after the flag hoisting ceremony. It started from the college's main gate and went on till the rear entrance. The drive, which was started by the ASC council members was soon joined by many of the students and some of the teachers as well. Agnel Social Cell can now proudly say that it has lent a small hand in our PM's initiative, 'Swachh Bharat Abhiyan'.

The second event conducted by the Agnel Social Cell was a free Health Checkup, which was organized with the sole aim of spreading awareness about the tendency of people to neglect their health and give more importance to other aspects of life. The Checkup was done by **Way2Health Diagnostics** inside the FCRIT campus and it included nutrition consultation, blood pressure and pulse rate monitoring, eye check-up, and BMI. The event got a huge response not only from the students but also from the faculties, staff along with their children. Around 240 people got themselves checked in aforementioned health areas. The information that they got about their health, can be very useful to them for changing their lifestyles and leading healthier lives.

ASC as always ended its year's activities with a beautiful gesture- helping those in need. The ASC organized a visit to the Mukta-Jeevan Ashram on March 4. It is a Non-Government Organization, which works for the relief and rehabilitation of the people afflicted with Hansen's disease as well as cares and lends support to the HIV/AIDS afflicted children and women. They also provide shelter for senior citizens, who are poor and abandoned. A total of 70 students, from all years and various branches had participated. The joy on the faces of the old and the sound of laughter from the children as the students interacted with them, were worth experiencing. Few of the students said it was a life changing experience, while few others vowed to visit these children, grandfathers and grandmothers whenever they could. In this way the **Agnel Social Cell** wrapped up its list of activities for the academic year 2017-18, by leaving a mark on some lives and setting certain examples on how to find happiness in life.

JABEZ JAMES- Mechanical Semester 6

DRAMATICS CLUB
KAL KA GHALIB

"Hathoon key lakiroon pay matt jaa ae Ghalib,

Naseeb unkay bhi hotay hain jinkay haath nahi hotay"

- Ghalib

POETRY IS PERHAPS THE LAST REFUGE, WHICH MANKIND CAN TAKE FROM THE

HUSTLE AND BUSTLE OF THE WORLD TODAY.

Those who understand and appreciate a poem can always find peace and solace within the words. One such opportunity to appreciate the poetic minds of this generation was afforded to 'The Dramatics Club' of FCRIT by KC College, Churchgate. The event was called "Kal Ka Ghalib", aptly named after the famous Urdu and Persian poet.

Unlike most other Open Mic competitions, this one was restricted to Hindi/Urdu poetry. To keep in with the general theme, the auditorium was set to look like a Mughal Darbar. At the center of the dais was a mattress, strewn with rose petals for the participants. With that the stage was set for an incredible afternoon of stanzas, crafted to inspire. The poems that resonated through the auditorium were such that, some would open our eyes to the realities of our world, while some were too deep for our primitive minds to fully comprehend. Nevertheless, they were all entertaining.

The members of the Dramatics Club- Vaibhav Dubey, Saumitra Jagdale and Sanskriti Sawant, First year students from the EXTC Department, along with Varun Patil, a Second year student from the Electrical Department, represented FCRIT in this event. They had all written poems on various topics, each one in a style different from the other. Although the team didn't win, Vaibhav, Saumitra and Sanskriti received Special Mention for the quality of their literature and were told that they narrowly missed out on a podium finish.

It can be said wholeheartedly, that this event was about much more than just winning. It may not have seemed so at this time, but an event like this surely expands one's horizon and gives us a reason to appreciate life and the people within it.

CHINMAY THAKRE-EXTC Semester 2

ETAMAX

There was a day left, for 'Etamax-2K18' to begin. Yet, it was hard for the Agnelites to contain their excitement. Everyone was brimming with excitement, as they gathered to witness the 'Flash-Mob'.

The performance was power-packed. The Flash Mob was a big hit, even in the Raghuleela Mall. It was a foregone conclusion that Etamax 2k18 would be Zara Hatke.

Our inter-collegiate, techno-cultural fest was organized from February 22 till February 24. The students, well equipped with confidence and knowledge, conducted an array of workshops. The list of Technical Workshops included Stock Market, IoT using Arduino, 3D Printing, Robowars, Roadrash, Ethical Hacking and many more. Cultural Workshops like Entrepreneurship, Bhangara, Bollywood Dancing and so on, aimed at the all-round development of the students. Competitions like Technical Quiz, TPP, challenged the technical skills of the students. Fun games like Zorbing and Paintball were huge successes. Drone Racing too added to the thrill and enjoyment of all participants.

The Evening Events were the highlights of the fest. The first evening started with the Band Event. The ecstatic crowd got to enjoy some of the most stirring band performances. The Marathi Mandal performed a skit, thus portraying the various Marathi festivals.

The second evening had the 'Stage Walk'. The students walked the ramp, with great amount of pride. Each group had students dressed in beautiful attires and followed a theme which was Zara Hatke. Each group was allotted two minutes on the stage, to showcase their talent and creativity.

The Singing evening of Etamax-2K18 was a melodious one to remember. First was the Solo-Singing Competition. The contestants sang their hearts out, as they stepped on the stage to perform. The Duet Singing Competition followed. The contestants had the audience bowled over, as they sang songs of different genres. With great gusto, the crowd cheered for all the performers.

The Dance Event was another successful event. All the groups from different colleges danced with all their energy to entertain the people.

Finally, it was time for the Jam Session. The audience, which was embalmed in its position before, leapt into action. The energy was infinite, as the students grooved to the beats of the foot-tapping music that played. They danced with all their heart and soul. Everyone was having the time of their lives.

Etamax-2K18 gave the students ample reasons to smile and wonderful memories to cherish.

ABRAR UPADHYE
Mechanical Semester 6

Smart India Hackathon-2018

"The creation of something new is not accomplished by the intellect, but by the play instinct arising from inner necessity. The creative mind plays with the object it loves."

-Carl Jung

Smart India Hackathon (SIH) is an initiative by the HRD ministry of India to invest in the best minds of this country. It is a competition that empowers the students to tap into their potential and use their technological skills to develop products that can be adopted and implemented by various central ministries. It is world's largest Nation-Building Digital Initiative.

340 problem statements from 27 ministries and 17 state governments had been chosen for Hackathon and displayed on MyGov platform. A whopping number of over 17400 teams had submitted their abstracts of the proposed solutions to the problems. In all around a lakh of students of Engineering, Management and MCA had participated. 1296 teams were selected to compete in the two-day Grand Finale of SIH 2018, beginning on March 30.

The Grand Finale was held across 28 nodal centers in the country. First was the inaugural ceremony, which was graced by a number of dignitaries. Video- speeches by the AICTE Co-Chairman, Dr. Anand Deshpande and the AICTE Chairman, Prof. Anil Sahasarabuddhe exhorted the finalists to expand their horizon and innovate. The honorable minister of HRD, Shri Prakash Javadekar imparted a few words of wisdom and boosted their morale. Finally, he announced the commencement of SIH 2018. At 8:30 am, the Grand Finale went live.

It was a 36 hour Hackathon. All the finalists got their acts together and started to code. They worked with full focus and concentration. Each team had one or two mentors to guide them in achieving the perfect solution. There was a round of training session, in which the ministry trainers monitored the progress of the teams. They then gave their suggestions and ideas on the new features that could be added to make the product better. There were a number of breaks in between for the finalists to replenish their energy reserves. Tea and snacks were regularly served at the table. The first round of evaluation was conducted almost after 12 hours, since the beginning of Hackathon. A panel comprised 3 judges. Each team was given 4 minutes to present its work and 3 minutes for Q&A session.

At 8 pm, the Honorable Prime Minister of India, Shri Narendra Modi addressed the finalists. He advocated IPPP as the driving force behind innovation. IPPP stands for 'Innovate, Patent, Produce and Prosper.' He also emphasised, "Nobody is blessed with all the knowledge in the world. This applies to governments too… the biggest mistake governments make is to think they alone can bring about change. What brings about change is participative governance." The Prime Minister was keen on involving the youth in India`s quest for change and progress. He asserted that what the young minds are doing today will benefit the nation in the coming years.

The finalists had prepared themselves physically and mentally to skip their sleep. In the overnight phase, a special Zumba activity was conducted, so that all could let go for a short while, enjoy and then return to coding with freer minds. Another round of training was conducted, which was similar to the first session. Early morning, a 15 minute Yoga session was conducted to calm the tense minds.

The clock was ticking. All the teams had begun to reach the completion of their development of products. Soon the second round of judging followed. And then the final session of training. With the last few hours left, everyone anxious and excited at the same time, slogged to make the final changes.
It is 3 'o' clock. "Stop coding!" comes a call.

All got their hands off their laptops. Time for the final judging round. For this round, the team had fifteen minutes to talk about their development.
After an hour, the results were announced. Based on the scores of evaluation rounds, 10 teams were shortlisted for power judging round. In this round, each team had 4 minutes to describe its product.

In the valedictory session, all the judges of Hackathon were honored. Each team was felicitated. The top 4 winning teams for each center were announced accordingly. Their projects would be implemented by the respective ministries by the end of April or mid-May 2018. SIH-2018 had been concluded with the National Anthem.

SIH-2018 is an excellent opportunity for the Indian youth to explore and sharpen their coding skills and technical knowledge. If these are used in a way, smart and creative, products can be made such that they change the businesses. And revolutionize the Indian Economy.

7 teams had participated from our college.

The team AVASTS had won the Second Prize under the Department of Defence Production, Ministry of Defence. The team comprised Final Year students of the Computer Department– Ms. Vanessa Almond, Mr. Sachin George, Mr. Advaith Kamath, Mr. Aditya Jadhav, Ms. Tanvi Rajadhyaksha and Mr. Swapnil Shinde. They were awarded with a trophy and cash prize of Rs. 75,000.

ANNAPURNA PANDITA-
Computer Semester 6

S A M V A A D   2 0 1 8

Samvaad

FCRIT 's annual debate competition, was conducted on 3rd March 2018.The event began with a warm and positive inauguration ceremony at 9:30 in the morning. Around 50 teams (team of two) from different colleges had participated with great enthusiasm. The debates commenced by 10:30 am and these debates were conducted simultaneously in 4 different class rooms with at least one judge in each class room. The topics for the first round were given a day before the event and all the topics were based on current affairs. The motive behind giving such topics was that the students should know the importance of things going on around the world. On the day of the event, the participants were given a random topic from the list and were given about 15 minutes for preparation. The format of the debate was very simple, a minute for introduction, five minutes rebuttal and one and a half minute for conclusion. The time for the rebuttal increased as the level increased. There were no negative markings given to the teams if the debate exceeded the time limit as the time should not be a constraint in presenting the views of the participants.

The 50 teams ended up with the debates by 12:45 pm followed by lunch break of an hour. Out of 50 teams, 16 teams were selected for the second round out of which 8 teams advanced to the quarter finals. For semifinal round, 4 team who gave their best were selected and 2 teams debated for the final round. As each round progressed, the difficulty level increased for the participants as well as for the judges. For the Semifinals, the time for the rebuttal was increased to 7 minutes and for the finals to 10minutes.The judges Dr Sunil John, professor from Rizvi College of Law and Mr Roy, media personal and head of Xavier's Institute of Communication had taken out time from their busy schedule to grace the occasion. The winners and the runner ups

were given a cash prize of rupees five thousand and rupees three thousand. The winners were the students from Pillai college and the runner ups from VESIT. A special prize was also given to the best speaker known as the "dynamic speaker" which was a student from VESIT.

Samvaad has provided a platform for students to come up with their ideas and this was only possible with the help and support of the principal Dr S.M Khot, Managing director Dr. Ivon Almeida and the most special person behind Samvaad, Mrs. Audrey Correa, Assistant professor, of the college.

Samvaad 2k18 was a huge success due to the result of weeks of hard work of the council. A special thanks to our staff coordinator Mrs. Audrey for her immense support without which it would have not been possible. The participants appreciated the way in which the debate competition was organized.

Sakshi Mahesh
EXTC Semester 6
Abrar Upadhye
Mechanical Semester 6

FAREWELL-2k18

"They came as strangers...but leave as friends."
The aura was scintillating and cheerful, but the mood was nostalgic.
They hugged, they smiled,
Captured pictures,
Trying to freeze every moment for a while.
This four-year long journey, was that of Nile,
It began with minuteness but ended into magnificence.

Farewell might be a short word to describe all those countless emotions experienced, the memories that were made and all the hard work the students had put in their life, in accomplishing their goals, but still with a heavy heart, the students, the staff and the management bid adieu to the final year students of the 2014 batch.

A farewell function was organized on 16th April 2018, for the students from the 2014-18 batch at the college campus. With vivid coloured dresses lighting up the ambience, they interacted with the teachers, their juniors and shared their experiences with them. It was then followed by a luncheon.

Everyone was happy as all ended well, but their eyes got welled up with tears too. Each one had to now undertake a new journey, set up a new goal and leave behind their dear ones.

"Every beginning comes from the end of another beginning."

Olivia Biswas-

IT Semester 4

Creative corner

Rhapsody

TRANSITION

Do you remember the last time when you understood the entangled argument between your mind and soul or your beliefs and reality? Surely that won't have been ever because our thoughts are and never were static, one moment the ocean is calm and deep, quite comprehensible, the other it is a turbulent hurricane cold-shouldering our very existence built on the land of transition. We hardly know who we really are, or are we just playing dumb? This imprecision is what leads to the continuous transition from one role to the other, that we play throughout our lives and who knows maybe long after death. In the moments of helplessness, when we close our eyes, the deep, dark and cold woods overshadow our vision, homicide our soul, we feel trapped and obstructed to feel the healing warmth of the sun on our conjectural wounds but we never give up on looking for answers to questions that don't exist! Every time I try to frame a theory about life or people in general, I collide head on with contradictions and one more part of me is left behind in the process of transition to a newer me. It's like an hourglass, the old me losing despite all the efforts and the new me being formed again from the ashes like a phoenix. The way people leave our lives but their love remains, we might transit but the same essence nourishes our old roots. Transition isn't easy, you must remember why you betrayed your old self and opted for this new alien inside you that transition gave birth to. So that one day when your inner voice questions you "why?" you have an answer. But at the same time the painful but beautiful memories are a drug, a poison to treasure. A made-up mind is stubborn which is always fought by the infantile heart. The heart despite of being a bait to all the darkness in the world still believes that goodness reigns and is willing to be fixed from all the shattered pieces to love and trust all over again. In the end transition will always help you be a better person with wisdom from the past and hopes for the untold future. When you will be old, you will be the king, because you own the crown of human life, the innumerable transitions were the choices you opted for to make it till there, it is then that you realise that a stream of water that is once small overcomes the big boulders and goes with the flow to one day coalesce with the ocean.

SAUMYA PUROHIT-IT Semester 2

TRANSITION

Transition, the word analogous to change, is the inevitable norm of this universe. Everything changes—time, space, people and most importantly the minds which guide us through the realm of our existence. Aren't our experiences but a series of events brought together into a wonderful coalition during our existence ? Has life been a change of good or has there been a tinge of negative experiences ?That is a question, we the participants of this game called life, who are thrown into this arena of existence not by personal will, but a forced fate, must answer.

We start life as babies' tender and innocent. Maybe the only state we can with a whole heart say pure, for we are entities that then exist with nothing. With time that nothing becomes a something with the information overload from a million directions and a predefined purpose to life we learn as we grow up. That being the first step of transition. Then a change from our banal experience as toddlers occurs when its time to go to school. A memory which each one of us treasures in the bits and pieces we have of it in our mind. A new environment where transition is eminent from the crying toddler to the responsible one who now must start his never-ending race towards a predefined notion called success if he must survive. Getting the best grades and making it to the best university becomes a dream for his parents which through time becomes his own. If this transition would be resisted and books of learning an anathema, then life wouldn't be so pretty. That's what at least the world will say, or society will define

Then its time to be into the one phase which no one can clearly define- the state of adolescence. The change of mind, thought and body as it is. Being apoplectic to parents and falling in love the norm. Never have we understood how these emotions rise and how this transition occurs but, yet this becomes the most critical of phases as neither are we adults nor children. The experiences we have ,the failures and successes pave the path to a thought of character that we would define to live by, this being our own personal transition into adults with different psyche's.

Finally, we turn into adults. We live by these transitions till this stage uncontrolled and accept them. We form opinions dogmatic or open, all through this open window of knowledge into our minds that is our experiences. We can turn out to be ascetics or gregarious. We can become violent or peaceful. We can become what our perception of our experiences makes us. These experiences are the compilation of emotions that truly bring transition in us and our stance on everything in life. Some experiences are peaceful and yet some cre-

The unique thing about being human is that the experiences we all have differ. One toddler may remember the sweet love of a mother and one may not gain love but scorn of those from whom all he asks for is food. The experiences of a girl protected and loved by her family would be much different from one, who is abused and abased in such a way, that all that remains for her is complete madness. The one whose experiences with love or how people have treated them in the past form their opinions based on the hurts or the joys those relationships gave them. The emotional turmoil and outlook we garner from our experiences is what makes us what we are. Its what truly brings about that long but complete transition in our minds as we float on this boat called life.

Life is a compilation of experiences and its these that bring the transition in our minds, behaviorism and attitudes that ultimately define the outcome of how our lives will turn out to be. Sometimes we can be let down and can't face adversity and sometimes we come out strong. Every experience brings about an emotional reaction which paves a path for transition in our minds and this ultimately forms us. Experiences are plagued with ambiguity and our reactions aleatory. Every experience good or bad has a reaction and in the end the reaction is what will define that answer. The answer that will bring us to peace with how every experience has affected us and moulded us. *Reactions to situations define the transition we live by and as ambiguous our reactions will be to what we face, its what truly defines .*

-Mathew Thomas

EXTC-Semester 6

So alas the world is of broken promises
Of words said to never be kept
Of Friendships fake and affectation
Ad nauseum we try to keep and yet we fall

What was love once is now acrimony
And abomination the norm
That is but the transition
From being warm hearted to cold that's all

-Mathew Thomas

From humans to beings

A journey such, that is filled with transitions,
With seemingly unimaginable reformations.
Things that seemed unattainable in the past,
Are now accomplished, easily and fast.

Advancements and progress changing the routines of life,
Arousing yet another question in every other mind-
'Has mankind actually come
a long way
Or are we pushing the humanity in us away?'

The funny and puny conversations that were frank,
Are now tags in memes, which seem quite dank.
The long walks and talks that'd go on for hours,
Are lost to Wi-Fi networks and mobile towers.

Everyone's busy running behind happiness and fame,
When being content should actually be the aim.
We're so involved in the strife for perfection,
That we've long forgotten our dreams and ambitions.

Focusing constantly on how should we live,
Neglecting the essence of life and its motive,
Have we now become developed human beings
Or turned into machines with just no feelings?

VINEET ABRAHAM & DENISA TONY-
Mechanical Semester 2

Memes

CHINMAY GADRE-

Electrical, Semester 6

Rhapsody

Reminiscence

From orientation on day one to struggling one last night for a final viva, it has been a very impactful journey at Agnels. There is a good chance that this place might make you a person who understands deadlines and rules but at the same time every laughter shared in the foyer , every sigh after filling another journal sheet and the roaring energy during fests will make you a person who believes in hardwork and makes optimum use of every single getaway. Great run.

Celeste Davis

My Agnel Experience

These 4 years studying engineering at Agnel's have been amazing! It all started in 2014, with the Humanities department and I must admit, that initially it felt like school all over again! However, we soon realized that all these rules and regulations were meant for our own good. Soon, we were in our respective departments. I've always loved learning new technology, so I really enjoyed the Engineering course. The teachers have been very supportive throughout. It was because of their able guidance that we could complete our course successfully, without any hurdles. The college management too, took steps to ensure that we develop holistically. Apart from academics, extra-curricular activities were always encouraged. I was a part of many college activities like the Agnel Social Cell, Agnel Robotics club, Rhapsody Newsletter, Manthan Magazine and the Literary and Debate Club, to name a few. I enjoyed both the college fests too. All these activities helped me to better my communication skills and to learn how to work with people as part of a group, which will definitely help me a lot in my career. I'm glad I got to meet so many awesome people on this journey and all these happy memories are going to remain with me forever!

Blaze Rodrigues

Four years back, I entered the gates of this grand institution knowing not what lay in store for me. I was a bundle of nerves then - a motley
of anticipation and exhilaration.

Now, as the time for me to leave this place draws near, I realize that a degree is the least of all I will be taking out with me.

What especially matters is the memories we made, the slew of experiences we collected, the friends we have. Between all those assignments, tests and re-prelims, we never realized as we made some really good memories,
spawned inside jokes and shared secrets. And most importantly, we had fun.

"*And so with the sunshine I had that familiar conviction that life was
beginning over again.*"

Anurima A. Padwal

I still remember my first day. It was raining and we are were standing inside, near the office gate. Then the assembly started and after that we were divided into different divisions and our engineering journey started. These fours have been good. Learning new things everyday. Meeting new people from other branches.

Other than the technical knowledge, engineering has taught me how to live life. It taught us how to face different situations. It taught us that change is necessary. No matter what type of person you were, when you joined engineering, the thing is, you will be a fully changed person when your engineering is over.

I will miss these days. The people. The staff. The department. The building. The everyday travel, even though it was hectic. The running behind teachers for taking signs. Everything will be missed.

Sumit

Meet the Team

MEET THE TEAM

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