



# STEP-UP

SPECIAL EDITION

**UNLEASHING POTENTIAL**





# STEP-UP INAUGURAL SESSION

STEP-UP (Students Talent Enhancement Programme-Unleashing Potential) is a follow up of the STEP (Students Talent Enhancement Programme) programme that gives opportunity to grow and realize the forgotten potential in the student's ecosystem. This platform was arranged for the students to cherish and chase their dreams. It was consistent in all aspects, including the number of invitees from the industries who were also experts in their respective fields. This programme bridges the gap between the industry and institution.

The programme was formerly inaugurated by Dr.C.Ramaswamy, Secretary, NIA Educational Institutions with formal welcoming of the dignitaries and the gathering. He briefed about the STEP-UP programme coining it as an annual unique event which was brought into existence with a view of unleashing the students' potential. The prime objective of the programme is to equip the individuals in their respective fields. He insisted on the four way approach followed in MCET for students' career prosperity. The first one was to realize the required qualification and skills to enter into a profession. Secondly, to eliminate irrelevant knowledge and bridge the gap in the knowledge, our institution collaborates with the industries by offering One Credit Course from third semester onwards.





# STEP-UP INAUGURAL SESSION

Thirdly, to reduce the number of students with backlogs, the OBE (Outcome Based Education) system was introduced. He revealed that the culmination of all the events of the STEP Programme of the previous academic years was coined as STEP-UP Programme. Through STEP, industrial experts created an awareness about what the corporate expects from the students.

M. Uday Kumar, Delivery head, Tech Mahindra addressed the gathering and informed the gathering that he is back to MCET after 3 years. He insisted that the students should acquire distinct skills that are required in the workplace to survive the highly competitive world outside. He asked the students to become passionate engineers and be unique from others. He insisted that despite the discipline the students have chosen, knowledge of software languages like JAVA and Python are essential. He emphasized on the ability of learning, exploration of skills and going beyond the syllabus. He wanted the students to get rid of facebook and whatsapp which takes up most of our valuable time. He invited the students to be bold enough to face the reality outside. Although he was very positive about the job market, he also insisted that the students should equip themselves with the necessary skills that would keep them in the career race. He finally concluded by asking the students to be brave and thriving personalities in the world.





# STEP-UP INAUGURAL SESSION



Mr.B. Anbuthambi, Vice President, ICT Academy initiated his speech with the trending news about the launch of the GST. He told that the change in lifestyle in India occurred only after the entry of the IT industry. He motivated the students to find solutions for the problems they face by breaking macro problems into micro problems. He told the students not to underestimate the plenty of opportunities prevailing in this world by quoting, “Be innovative to enter into the novel world.” He said that no particular department is assigned for any particular innovations by quoting examples of innovations of Broad’s Sustainable building company and Google’s driverless cars. He said competitors may be from any field but we need to be ready to enter into the world of innovation and competition.

Dr.A.Rathinavelu, Principal, MCET proposed vote of thanks. The programme started off well and the speakers were able to set the context and take the students to consecutive sessions that would have expert interaction and panel discussions. As the quote reminds us, “Well begun is half done”, the inaugural session came to an setting other sessions in motion.



**P.A. Sreethi**  
**III EIE**



# STEP-UP CORE STREAM

STEP-UP (Student Talent Enhancement Programme – Unleashing Potential) was organized on the first day of July 2017. Students were fortunate enough to be active participants in the event as many renowned speakers of various fields were invited to enlighten their minds. The event comprised of two sessions, expert interaction and panel discussion.

The program for the core stream was organized in Mechanical Seminar Hall. Dr. K. Saravanan, Professor & Head, Department of Automobile Engineering welcomed the esteemed chief guests and other members of the panel. He set the context of the step-up programme. He also threw some light on the prospects of getting employed after graduation and also the necessary skills that are needed for a core engineering students.

Dr. M. Selvakumar, Associate Professor, Department of Automobile Engineering introduced the first speaker of the day, Mr. Alagesan, General Manager, TTK Prestige, Coimbatore. Mr. Alagesan emphasized on the importance of attitude, involvement and ownership that a prospective employee should possess for a successful career. He further elucidated on the expectations of companies from a fresh graduate. He stated the fact that companies expect readily employable resource with the necessary decision-making skill. He also pinpointed that perseverance, conviction, and strong will are more significant than any theoretical knowledge.





# STEP-UP CORE STREAM

Mr. P. Sathish Kumar, Assistant Professor, Department of Civil Engineering introduced Mr. Rajaji, Director of Arun Excello group of companies limited, Chennai. Mr. Rajaji gave a brief introduction about his company, Arun Excello. He then proceeded on to give a passing glimpse of the employment scenario in 1980's. He highlighted the importance of grabbing and making use of opportunities when they are available. He told that each individual is inflated with boundless talents. The path towards the career has to be chosen wisely and planned carefully. If your passion is to enter into the manufacturing sector, a complete research has to be done not only about the designations but also about the companies/firms related to the manufacturing sector. Consequently, the criteria requirements by the companies have to be clearly understood and a hard work will definitely earn a place in the company. He advised the students to brace themselves and be ready to face the reality of the world. He urged the students to move out of their comfort zone, travel to more places and learn new languages. He stated that in order to grow, we should be ready to make mistakes and take chances. Further, he elaborated about the skills such as leadership, communication, versatility and team-work. He also encouraged the students to inculcate healthy habits and positive thinking. He persuaded the students to be passionate about what they do in life.





# STEP-UP CORE STREAM

Dr. S. Ayyappan, Associate Professor, Department of Mechanical Engineering introduced Mr. S. Rajasekar, HR Manager, Renault Nissan limited, Chennai. He started his speech with magnificent presentation on Advances in Automobile engineering in campuses and corporates and it was a good start. He gave an overview about the automobile industry and elucidated on the usefulness of learning a foreign language in the current global industrial scenario.

Dr. K. Selvakumar, Associate Professor, Department of Automobile Engineering introduced Mr. B. Kennady, Senior Manager, Isuzu motors private limited, Chennai. He started his speech on career development. He advised the students to believe in themselves and requested the students to develop skills like crisis handling, planning for tomorrow than worrying about it. He insisted on the importance of being a student for life, the importance of identifying goals and developing an emotional IQ. He also added that the key factor in leading a successful career in life is discipline and dedication.

The afternoon session started with panel discussion. It was an interactive session where the students got an opportunity to get their queries regarding placement and career opportunities clarified. A vibrant and dynamic discussion helped the students to build themselves to prepare themselves for a fortunate career. At the end of the day, the question marks in our minds were replaced with exclamations.



**S. KAVYA**  
**Final Civil**

**Kavya1614@gmail.com**



**N. Pavithran**  
**Final Auto**

**pavithranmcet@gmail.com**



# STEP-UP CIRCUIT STREAM

A good life, is one that is inspired by love and guided by knowledge and such a knowledge and guidance was dispersed at the STEP-UP (Student Talent Enhancement Program-Unleashing Potential) programme for the final year students which was conducted on the first day of July 2017. Many prominent speakers from various field were invited to address the students. Dr. R. Sudhakar, Professor and Head, Department of Electronics and Communication was the moderator of the programme. He gave a brief introduction about the speakers, the present scenario of the engineering students and how to prepare themselves to live up to the expectations of the industry. The event comprised of 2 sessions and 4 speakers shared their experience and expectations with the students.

Mr. Aravind Govindharaj, Maintenance engineer from ULT technologies initiated the session. He was overwhelmed with the opportunity the college provides to the students and emphasized his views about career opportunities in ESDM (Electronics System Designing and Manufacturing). He stressed on the basic engineering concepts, briefed about the skill gap found in students and explained about the industrial requirements. He also reminded the students to be bold enough to venture into the world by overcoming their shortcomings by asking for help when needed.





# STEP-UP CIRCUIT STREAM

He quoted that continuous learning will boost the career vertically. He stated that embedded designers, IT Infrastructure managers and networking engineering professionals are paid heavily, provided, they are technically sound. He insisted about the 4 main requirements to become a professional engineer, technically strong, awareness about the current inventions, willingness to work and passion towards success. The next session was handled by Mr. Muthukumar, Managing director, TEXTEK Electronics. He briefed on the taxonomy of industries and present working atmosphere for engineers. He said that aiming at the economic growth and not compromising the fundamental values ripens the fruit, success. He quoted Sir Winston Churchill “a pessimist sees difficulties in every opportunities, whereas an optimist sees opportunities in every difficulty”. He concluded by saying that students should learn to change all the opportunities as stepping stones to success.

The third industrial expert was Mr. Balajee sheshatri from Gigamon. He requested the students to gain in-depth knowledge of the subject and motivated the students to learn to link things. He said “be specific in the domain you want to work and prepare towards it”.





# STEP-UP CIRCUIT STREAM

He delivered the key concept of the present scenario by explaining how to route the brain to control the heart. He reminded the students that self confidence is the key point to reach success rather than stumbled up with difficulties. Finally, he advised the students on how to prepare for an interview starting with electrical and electronics fundamentals and finishing with the need for better communication skills and knowledge about networking.

The final speaker of the morning session was Mr. Andrew Armstrong from Caresoft global pvt Ltd. He stated few enthusiastic lines such as “enjoy what you do because it is going to be a long run”. He also stressed on being authentic as a human species. He advised the students to have knowledge about artificial intelligence machine learning, indeed it has to be admitted that his talk was not so complex, but gave a clear synonym to the word “engineer”. An engineer is one who solves practical problems in the real world.

All the 4 eminent speakers made the morning session remarkable and Dr.A.senthilkumar, professor and Head, Department of Electricals and electronics honoured the guests with mementos. The afternoon session was taken over by Mr.Balaji srinivasan , Bosch PVT India Ltd .





# STEP-UP CIRCUIT STREAM

He explained about the recent trends and opportunities for circuit engineers in IOT and automotive embedded electronics. He was quite brief and concluded his session by stating the expectations the companies have on future engineers such as being strong in fundamentals, concrete knowledge in technical part, team spirit, aiming for success and thinking and acting globally.



The panel discussion started converting question marks into exclamatory ones. Dr. Lakshmi Narayanan, professor, EIE was the moderator for the session. The students were indeed enlightened by the answers from the panel discussion. On the whole, the four eminent speakers made the session and the day remarkable. The panel discussion was indeed blissful to the final year students to open up their doubts and clarify them with the experts from the respective fields.



**R.SHURITHI**  
III ECE



**R.KEERTHANA**  
III ECE



# STEP-UP IT STREAM

STEP-UP for IT stream commenced with a warm welcome note from Dr. G. Anupriya, HOD - CSE Department. She explained the purpose of the program in a nut shell before the first speaker's address. Mr. Mahesh Jambadi, first speaker of the day started his speech with a clear practical view of how a person's passion keeps shifting throughout his career and explained it with his own case where his interest took a diversion from Mechanical engineering to Computer engineering. He defined "engineering" as a problem solving discipline which will become easier to learn if one has passion and interest towards the subject they learn. The key to this, he told, belongs to those who possess skills such as "creativity, analytical thinking, collaboration, communication, unbiased in actions, ethical and moral accountability". He explained creativity with different examples and told that the jobs available today, may not be available tomorrow. So, only thing that would help one survive in the industry is adapting continuously to the changes or creating the change that would make the world turn towards us. Analytical thinking and collaboration are intertwined each other, when we have to solve various competitions and think through the entire process. He also stressed on the importance of communication by saying that it will elevate one above the others and keep them alive in the competition.





# STEP-UP IT STREAM


He compared two contrasting personalities, one, Amazon Founder, who once was a Wall Street walker and became the founder of Amazon and Boris Becker, a famous Tennis player who fell from fame to dust. In conclusion, he requested the students to acquire the necessary skills to last long in this technologically advanced industrial world.

Mr. Uday Kumar, Distributive Head of Tech Mahindra started to share his ideas by quoting few lines from a Chinese book "Art of War". He quoted, "If you know your enemy and yourself, you need not fear the results of even 100 battles". The focus of his speech was on the cyber security, which most people are unaware and stressed on the privacy issues that's going on around the world by citing the Pataya attack, which spread internationally. By questioning about the privacy in our smart phones, he gradually moved on to the details. He told that the threats and malwares that increase every year has resulted in more than 7.1 billion identity thefts in the last 8 years. The speaker also pointed various details regarding who needs cyber security and why do they need it. He emphasized on the importance of it in all the fields and brought up a humour tone when explaining the hacking of question papers in colleges. He ended his speech by explaining certain courses like OWASP and NIST along with enterprise security architecture.





# STEP-UP IT STREAM



Mr. Kris Weylo, mesmerized the participants with his awesome language. He started with a comparison between IQ and EQ and brought out the needs of the employers from the prospective employees. Problem solving, he said is the most important attribute an employer will look for in an employee. That's why companies still have aptitude part in their placement processes. Leadership qualities need to be developed in order to work with a team effectively. It's not just about leading a team when the right time comes but they are much needed to understand people in a team. Survival of the fittest will help one adapt well in a new environment in IT profession. To last in the field, he reminded the students to be punctual, dependable, take efforts and work smartly with ethics. He then pointed out the following traits to be cultivated.

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1. Work hard but smart - It's important to work hard but planning the work will save time and unnecessary rework.
  2. Stick to the goal and not to give up - Challenges will be there in all the fields and it's about holding on to it. If one wants to succeed, one should persevere in the mist of challenges.
  3. Practice interpersonal skills and use them - Working in a team and adjusting to the environment will help one succeed in workplace
  4. Be forceful but grateful - Getting the job done and appreciating and being grateful is really important to get the future jobs done.





# STEP-UP IT STREAM

Finally, he concluded his speech by explaining about the challenges posing the future of employment such as economic uncertainty, dynamics of globalization, artificial intelligence and robotics.



The final speaker was Mrs. Rachel Premnath. She reminded the gathering that one needs fire inside to succeed. She told that people need to come out of their comfort zone and be active to meet the present industrial challenges. She told that the key for success depends on developing the skill sets and align them with the job market trend. She also spoke about the value system which is now struggling in the hands of globalization and movies. She iterated that people in the IT field must be culture fit and value their attitude which is very important to maintain good work relationship with their fellow mates. Finally she made the students aware of some future technologies that would rule the IT field such as automation technology, IOT, virtual reality and voicemail control system. She answered all the questions enthusiastically during the panel discussion.



**S.Suvetha**  
II CSE



**M.Nandhini**  
II CSE



**S.Abarna**  
II CSE



# STEP-UP MOTIVATIONAL WORKSHOP

As part of the STEP-UP programme, a motivational workshop was also organized to enlighten the minds of our students. Dr. R. Ravindran, HoD-First year programme, who was also the moderator of the session welcomed the expert and the students. The program aimed at rejuvenating students who were struggling in terms of deciding which career to choose and students who were struggling in academics. The session was initiated by Dr. Anand Gurupatham, who completed his doctorate degree in Mechanical Engineering at IIT, Delhi. He is working as a Manager at Renault Nissan Technology & Business centre, India.

It was an engaging and interactive session indeed. He predominantly stressed on the fact that innovation and ideas that are commercial may arise from everyone but education is the key to get exposed to intelligence. He kept bringing live examples that enhanced the students to think and enrich their minds. The session focused on building an inner desire and achieving greater milestones in whatever career the students wish to choose. His speech on the opportunities available for the engineers today brought a positive change in the minds of the participants. He suggested that a Mechanical Engineer should choose their career in Mechanical stream which will make one a true graduate instead of opting for software jobs that are readily available.



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# STEP-UP MOTIVATIONAL WORKSHOP

He stressed on the point that the course should be completed with the degree, most importantly without any arrears. He shared his experiences and advised students not to lose hope. Then he pointed that the GATE exam tests the caliber of students in the side of Engineering and Science and has a wide career option like ISRO, DRDO (Defense Research and Development Organization). One should never see higher studies as waste of time but as a path for great diverse of job opportunities. He said that we are the best deciders; we should question ourselves about the future. He attracted us by speaking practically and interacted well with the students.

## SESSION II

Mr. V.Aravinda Krishnan, HR Consultant and Trainer, a dynamic personnel, began with a brief introduction about himself, wherein he mentioned about pursuing his B.E, Mechanical Engineering from Salem Government college of Engineering and Technology. He explained the meaning of Neuro Linguistic Programming Techniques, by saying that Neuro is related to nerves passing messages, Linguistic is the reflex action and Programming is alternating our thoughts and doing the right things. His motto was to stimulate the thought process. He conducted a mirroring exercise, (i.e.,) one should copy all the body language and voice modulation of the other student and present it to the crowd. Through this, he said that concentration and spontaneity will improve.



CRUSADE



# STEP-UP MOTIVATIONAL WORKSHOP

He told that communication skills and postures indicate one's confidence level. He pointed out that one's personality comprises of 55% of body modulation, 38% of voice modulation and the remaining 7% is verbal part. Only the voice, words and tone is from our state of consciousness whereas the body language, face expressions are recalled from our unconsciousness. He mentioned that one could react to any situation by being assertive, aggressive, submissive or manipulating. He advised that being submissive is not a good practice in the work culture and requested the students to concentrate mainly on the non-verbal part. He insisted on the importance of eye contact with others but looking randomly all around will indicate thinking for points. He also conducted another activity with three volunteers who were separated from the crowd for few minutes. The activity was mainly to reveal the vision practice. Eventually, the forum was converted to an assessing panel of attitude and confidence of individuals. This process involved observing the movement of the eyes, posing questions and researching what was known to the students about the phenomenon.

To conclude, STEP-UP for the motivational session participants acted as a fulcrum in depicting and designing their career confidently and march towards achieving it.



**M. Muralidharan**  
**II AUTO**



# STEP-UP COMPETITIVE EXAMS

An informative session on Competitive Exams was organized as part of the STEP-UP programme to enlighten the minds of our students and brief them on the importance of a career in Civil Service. The session was facilitated by three speakers, Mr. Prabhu Manikandan, director of Banking sector Examinations, Mr. Boominathan, CMD, King Maker IAS Academy and Dr. Pradeep, Deputy Financial Adviser in Ordnance Factory, Avadi under the Ministry of Defence, Government of India. Dr. Kaliamoorthy, Associate Professor, EEE department was the Moderator of the session. He gave a brief introduction on the importance and opportunities available in this sector. He welcomed the industrial experts with the bouquet and mementos were awarded as a token of gratitude.

STEP-UP for Competitive Exams aimed at creating an awareness and clarifying the doubts of the students regarding UPSC & Banking Sectors. The dignitaries on the dais shared their views from all possible angles and on all the possible aspects. This program facilitated the meeting between the students and experienced experts.

Mr. Prabhu Manikandan briefed about the challenges in getting selected in the Bank Exams. The program was an eye opener for the students in getting familiar with few simple strategies to succeed in Civil Services and Banking Exams. He told that it's all about attitude and people with right attitude will definitely succeed. He reminded the students that there is no secret ingredient except hard work and planning the work.





# STEP-UP COMPETITIVE EXAMS

Mr. Prabhu Manikandan, the next speaker was from Prabhu's Banking Academy, Salem. In his address, he started the eligibility criteria needed to take up the examination. He shared his experience in taking up Banking exams and also the difficulties faced by the candidates when appearing for the exams. He explained different topics that had to be covered in order to clear the exam. He insisted that the candidate should practice more and should be capable to finish one sum in 36 seconds. So, a candidate should be good in time management. He informed about the vacancies available in future years, bringing hope in the young minds.

He brought out the areas the students need to focus. His words were optimistic and made the students feel that anything is possible, if one takes things seriously and dream big. He brought out the techniques to approach quantitative, verbal and reasoning. He told that for quantitative questions, time management is very important and for verbal, one needs to practice and refer lots of books. He further added that doing this will enrich one's vocabulary and one can crack this examinations without much difficulties. He said that preparation with these sections will increase our chance of clearing the examinations in Railway. He also updated the statistics of 90 lakh openings last year which increased to 1.2crores this year. He informed the IT stream students that there are 25,000 to 30,000 IT Specialist Officers job openings every year. Finally, he concluded his speech by advising the students not to join 3 to 6 months courses that advertise job guarantee by saying that it is impossible. Instead, he told that one should spend at least 2 years of preparation to be a fully qualified candidate for competitive exams.





# CRUSADE



# STEP-UP COMPETITIVE EXAMS



Dr. A. Pradeep, an MBBS doctor by profession was happy to serve the public. He started his speech by addressing the students as future leaders of India. He told that whatever he is doing now is in no way related to what he studied. He suggested that the students could form small peer groups in colleges, which would be an effective way of learning for these exams. He also stated that Final year is the ideal time for the preparation. He shared his experience of personality test which he attended in New Delhi. He was asked questions not related to his subject, but he satisfied the expectations of the interviewers by saying that one should be straight forward in whatever they think or do. He requested the students to inculcate the habit of reading newspaper and mainly the editorial edition. He insisted not to do a random look for words but dig deep into the information to investigate and master vocabulary. He was young and gave an energetic speech that spellbound the students.

Afternoon session was a question answer session which gave the students an opportunity to clarify their doubts.



**V. Nandhini**

**II CSE**



# HIGHER STUDIES

“True guidance is like a small torch in a dark forest. It does not show everything at once. But it gives enough light for the next step to be safe” was the impulsion of STEP-UP (Student Talent Enhancement Program-Unleashing Potential) programme for the final year students.

Dr. K. Selvakumar, Associate Professor, Department of Automobile Engineering was the moderator of the programme. He gave a brief introduction about the speakers and set up the context. He highlighted the need for clarity on the information about higher education, education abroad and also insisted the students to clarify their doubts during the Q&A session.

Dr. Roshini Ramakrishnan, Branch head of Europe Study Centre, Coimbatore commenced the first session by stating the importance of higher education abroad. She pointed out various problems such as theoretical studies, foreign language training, industrial relations and university collaborations, Students individuality, international exposure that the students face. The main reasons for the above stated problems are lack of competence and technical skills and she added up her note with wide and various career options abroad.





# HIGHER STUDIES

She listed out the parameters that are to be considered for choosing correct study destination such as, university and course, tuition fee, security aspects, job prospects, settling options, hassle free visa process, and part time work options. She narrated that European countries are better place to study because most of the universities are governed by the government, offering 80-100% scholarships and internship opportunities. At last, she completed her interaction by sharing the guidance given by the Europe study centre.

The next session was handled by Mr. Prasanth venugopal, ELCOM. He elaborated step by step procedure and the document required for higher studies. In addition, he also briefly explained about the different exams such as GRE (Graduate Record Examination), GMAT (Graduate Management Aptitude Test), TOFEL (Test of English as a Foreign Language), and IELTS (International English Language Testing System) which are necessary to pursue higher studies in foreign universities.





# HIGHER STUDIES

He guided the students through selecting universities which include, accreditation of the department and university (National / Regional ), department ranking of the university, faculty strengths, areas of research, funding availability, course curriculum, tuition fee / living expenses , job fairs, student to faculty ratio, infrastructure, eligibility criteria for admissions, financial aid / last date of filing application, on campus and off campus jobs, location of the university, acceptance rate of the universities / department and suitability of the weather conditions.

He extended his note by sharing few methods to crack GMAT, GRE, TOFEL, and IELTS and also highlighted the countries which are accepting these scores for higher studies abroad. Further, he informed the students regarding the validity period of GRE and GMATE as five years and TOFEL and IELTS as two years. Finally, he described about the specialisations to be opted for various engineering programs. He concluded his session by motivating the students to get into higher studies.



A short question and answer session was facilitated in the afternoon in which, the students raised their questions to the speakers and they in turn provided answers.



**R. Aswini**  
Final Auto



**C. Nandhini**  
Final EEE



# ENTREPRENEURSHIP

STEP-UP (Student Talent Enhancement Programme – Unleashing Potential) for students who opted for entrepreneurship started with a warm welcome address by Mr. A. Swaminathan, Chief Co-ordinator- Centre for Innovation Business incubation and Entrepreneurship, MCET. He briefed the gathering on the importance of becoming an entrepreneur and provide job for many people rather than getting a job and work for someone.

The first speaker of the day was Mr. K. Balaji, Co-Founder and Managing Partner, Powerol Energy Systems. He told that his company manufactures marine equipment. He said that the students can easily come up with innovative ideas because they have a conducive environment for learning and thinking. He added that an entrepreneur is like a marathon runner who has to put consistent efforts. He advised the students that they should persist with new developments and inculcate skills that are needed to withstand in their areas of interest. He stated that hands on experience is must for acquiring enough funding and one should have a target to break them into bits to handle the pressure. Young minds clarified their queries on funding and pressure management. Mr. K. Balaji was more than happy to clarify their doubts.





# ENTREPRENEURSHIP

The second speaker of the day was Mr. B. G. Venkatesh, Founder and CEO, Campustiger. He started by saying that the students should not have any technological barriers. They have to explore themselves with regard to the competitive world where technology is the need of the hour. He shared his own life experience which made him experience and learn to shine as a successful entrepreneur. He suggested to do process correction in existing projects in order to get a project idea rather than looking for new ideas. He stressed that fast learning, communication skills, creativity and cognitive skills are the most important requirements for a successful entrepreneur. He advised the elite minds to learn how to set milestones by which one can overcome fear. Finally, he concluded by saying the quote "Move out of your comfort zone to be comfortable".

Finally, the last speaker Mr. N. K. Chythenyan, Green Connect, Salem started his speech with a presentation and gave a detailed description on Green Connect. He also gave a brief introduction about the inception of Green Connect and the idea behind the establishment.





# ENTREPRENEURSHIP

He strongly believed the idea of "Trash in hand equals cash in hand". He gave a note that only 5 percent of the total money allocated is spent for waste treatment by the corporation. He quoted the example of SAGO which runs its entire company with the power generated from its waste. He said that his start-up produces not just biogas but also organic manure as it's by product. He provided lots of example on how to transform projects into products. He ended his presentation by stressing on the importance of being proactive and optimistic towards negative feedback and discouragement.



This entire step up programme definitely opened up the minds of the students who aspire to become entrepreneurs and set a cornerstone to a huge entrepreneurial development platform.



**Dharani  
III EIE**



**Pavithran  
Final Auto**



# A MEANINGFUL INTERACTION

Dr. S. Ingersol is a G grade scientist in ISRO. He works as the Group Director, Systems Reliability and Spacecraft Propulsion Systems. He is specialized in development, testing and qualification of pressure, temperature, transducers for aerospace applications, vibration measurements on high speed rotational machinery, dynamic response testing of pressure transducers, special purpose instrumentation for cryogenic applications, estimation of uncertainties in propulsion performance parameters and reliability studies on field instrumentation. He has assisted dr. A.P.J.Abdul kalam in one of his projects in ISRO.

He started his speech by mentioning about Vikram Sarabhai Centre which gives students an idea about satellites and outer space. Vikram Sarabhai Community Science Centre (VASCSC) was established in the 1960s by Sarabhai that worked towards popularizing science and mathematics education among students, teachers and the public. Its mandate is to stimulate interest, encourage and expose the principles of science and scientific methods and also improve and find innovative methods of science education. He told that the next big thing in Indian space mission is Dr. A.P.J. Abdul Kalam who later became one of the most influential scientists in the country.





# A MEANINGFUL INTERACTION

He told that the establishment of the Indian Space Research Organization (ISRO) was one of his greatest achievements because he convinced the Indian government of the importance of a space programme for a developing country like India after the Russian Sputnik launch.

Homi Jehangir Bhabha, widely regarded as the father of India's nuclear science program, supported Sarabhai in setting up the first rocket launching station in India. This center was established at Thumba near Thiruvananthapuram on the coast of the Arabian Sea, primarily because of its proximity to the equator. After a remarkable effort in setting up the infrastructure, personnel, communication links, and launch pads, the inaugural flight was launched on November 21, 1963 with a sodium vapour payload. As a result, the first Indian satellite, Aryabhata, was put in orbit in 1975 from a Russian Cosmodrome. It was a massive achievement for India because this little step has taken India today to the top nations that compete for their space in the sapce.





# A MEANINGFUL INTERACTION

India tested its first nuclear device, exploding an eight-kiloton thermo-nuclear device in the Pokhran firing range in the Jaisalmer desert, five km from Loharki village. “No one was sure if the explosion would be successful or if the wind would carry harmful radiation and affect us,” Rawlot told Scroll.in. “The villages around the explosion site were counted in the list of ‘martyrs’ as any damage including human health was expected to be like collateral damage in view of the larger good.” Forty years after India’s Smiling Buddha mission, the villages in the vicinity of the Pokhran test range have long fallen out of the international spotlight. But in the decades since, as they have been beset by what they claim are abnormally high rates of cancer and genetic disorders, these villagers have joined a tragic global circle of residents of nuclear test sites around the world who grapple every day with the fear of radiation exposure.



He invited the students to joint the national mainstream in helping the nation gain its rightful place in the space missions. He asked the students to embrace themselves to undergo a radical change that would transform the race to space with lots of engineering works. This he told that will create lots of job opportunities and make the nation march forward majestically in space.



**M. Dharshini**  
II IT



**S. Sujatha**  
II IT



**Nandhini**  
II CSE



# STEP-UP CRUSADE

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## Reports - Faculty Coordinators



**Ms. K. Rajalakshmi**  
AP/English



**Ms. R. Bhuvaneswari**  
AP/English



**Ms. B. Nithya**  
AP/English



**Ms. D. Nivetha**  
AP/English



**Ms. S. Renukadevi**  
AP/English



### LANGUAGE EDITOR

S. RAJANANDHINI

II MECH - TVS

[raji1998subbu@gmail.com](mailto:raji1998subbu@gmail.com)

### CONTENT EDITOR

C. BARATH

III EEE

[barathkamala@gmail.com](mailto:barathkamala@gmail.com)



### CHIEF EDITOR



P. JOSE

FACULTY IN-CHARGE - LLC

[jose@drmcet.ac.in](mailto:jose@drmcet.ac.in)