

# ROHINI Beats

## THE VOICE OF ROHINI

### 483 PLACEMENTS OFFERED

“TRIPLE Offer Letters were given to 57 Students, DOUBLE Offer Letters were given to 85 Students and the remaining eligible students were given SINGLE Placement Offer Letter”



The growing engineers should have good sense of responsibility, initiative, friendly and outgoing personality, physical stamina and capacity to work for long hours on one's feet, good presence of mind, systematic approach, and unruffled appearance. Besides sound technical skills, these are the important personal traits required for engineers to get placed in an reputed company.

The 'Certainly I can!' - attitude of the students resulted in the Placement of

Rohini College of Engineering & Technology for a successful round of placements in the academic year 2017-18, with over 34 companies offering jobs to a large number of students. RCET conducted **Career Achievers Day** on 28.02.2018 by issuing Placement Offer letters to the final year students.

The inauguration was held in "The Opulent Hall" in the Kalpana Chawla block at 10.30 am with the pleasant occurrence of the Governing Council Members, Faculties and Students. Firstly, the Dignitaries did as an initiation of the event Prayer song and Lamp Lighting ceremony. Next to that, Prof. S. Vasudevan from TRP Department delivered the welcome address. In brief, Placement officer Prof. G.K Jebash Samuel delivered the Introductory Speech about the companies and placements, followed by, Presidential Address was delivered by the Principal and he said about the importance of placements in an Institution and in student life. He also stated that "Our College achieved 96.2% of placement in the academic year 2017-2018" and he compared that the academic year 2017-2018 placement statistics has improved from 95.8% to 96.2% and it shows the tremendous growth of our Institution.

The Department of Training & Placement which acts as the intermediary between companies recruiting our college students. It makes quality placement opportunities available to students of all the streams in the college. It also maintains a constant contact with the students through its Blog, Facebook page and also sends regular mails to the students, notifying them about the companies that would be visiting; thereby encouraging them to apply for the recruitment procedure.



To prepare students for the corporate environment and enhance their soft skills, the Training & Placement cell firmly believes in 'Industry- Institute Interaction'. In order to accomplish 'Industry-Institute Interaction' it organizes technical talks and national seminars to provide a platform for the budding engineers to interact with professionals from various industries. HR CONCLAVE, organised by the Department of Training & Placement

taps training opportunities for our students in vast number of reputed companies in collaboration with OneYes Technologies, NIIT, Teamlease & Study Springs many trainings were given to final year students under Android, PHP, Java, AutoCAD, Rasperry PI and Robotics to meet out the company expectations.

Final year students have been placed through On-campus interviews across various departments like Computer Science, Civil Engineering, Electrical & Electronics, Electronics & Communication and Mechanical Engineering with an annual package ranging from Rs. 1.2 to 3.35 lakhs. The companies such as C Core India Techno Solutions, Flatiron Jouve, Gencor Pacific Auto Engineering Private Limited, Sharda Motors Industries Ltd, Winwinweb, Super Auto Forge India Pvt Ltd, Wipro



Automotive, Renault Nissan Via Teamlease, Royal Edifice, Garcinia Infotech, JKM Automotive, IDBI Federal Insurance, E-Care India, Qzeal Solutions India Pvt Ltd, Myoung Shin India Automotive Pvt Ltd, Varam Holdings Ltd, Karvy group, OM Innovation

Services, Berezia Technologies, KLR Global Infotech, Mabara Manufacturing Company, Domex Technical Information Pvt Ltd, Tukobit Systems, Reubro International & VSION Tech Park Pvt Ltd. Students participated in many Off Campus Drives from various companies such as ZOHO, Infosys, Paytm, Vivo, Mphasis, Serco, GeoMeo, Perfomatix Solutions, Surya Informatics Solutions Pvt. Ltd, Softnotions Technologies Pvt Ltd and Estrrado Technologies Pvt Ltd, sought to recruit the students.

As a result of effort taken by Training & Placement team, the above mentioned companies has been a part of our placement activities for the academic year 2017-2018. We hope that many more would



add in the near future. Rohini College of Engineering & Technology has an impeccable campus placement record in 2018. Our students have secured challenging and highly paid positions in top ranking companies / organizations. Their abilities are well attested by the excellent reports from the recruiting companies.



# FRESHERS DAY 2017

## A cheerful start to the CAMPUS LIFE

**R**CET extended a cheerful welcome to the freshers of the academic year 2017-2018. Freshers Day 2017 is an event where every student eagerly awaits from the time of their admissions. It's an opportunity for shaping the students career and imbibing confidence in them.

Freshers day 2017 was held on 23<sup>rd</sup> July 2017. The whole campus became vibrant with the myth and glory of the day, when 540 plus students passionately stepped in with their ambitions. The inaugural meeting was arranged at "The Opulent Hall" in The Kalpana Chawla Block at 10.30 am. Senior students in a beautiful array invited the freshers to the hall by giving bouquet, sweets and marked the inception of an amicable atmosphere in the campus. The function got started with Tamil Thai Vazhthu and it got a divine touch with the lighting of the traditional lamp by the honourable Chariman Shri. K. Neela Marthandan, esteemed Managing Director Dr. N. Neela Vishnu, distinguished Principal and various Heads of Departments. Prof. S. Vasudevan, Department of Training and Placement, along with his excellent anchoring, pleasantly delivered the welcome address and expressed gratitude to the gathering.



The Vice Principal made her elegant presence on the podium and addressed the gathering. When he announced the victory of the College by bagging the top position in the district regarding admission, the gathering exhibited their joy with

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STUDENT'S FIRST CHOICE

IN KANYAKUMARI DIST  
HIGHEST NUMBER OF  
STUDENTS SELECTED

**ROHINI**

IN TNEA 2016 & 2017  
COUNSELLING,  
ANNA UNIVERSITY, CHENNAI

included the clear sketch of the college infrastructure, facilities and programmes. He also guided the students in a proper way for securing good marks.



Prof. F. George Mary Aarthi, The Head, Department of Training & Placement, beautifully explained about the Training & Placement activities to the students. The programme ended with the National Anthem. After the inaugural programme, the students were directed to their respective classes in the Admin Block, Department of Science and Humanities.

Freshers Day, an introduction programme helped to blow away fear among juniors and developed a good rapport among the seniors and juniors.

# MOTIVATIONAL PROGRAM FOR THE FRESHERS

**D**epartment of Science and Humanities organized a program on Counseling and Motivation for the freshers on August 21, 2017 with the initiation of the management. The program was arranged because it is important to facilitate the transition of students from school to college. The program started at 10am with the Tamil thai Vazhthu. The light and brightness are always equated with positivity and motivation. Therefore, in the outset of the program the traditional lamp was lit by the Chief Guest, Principal, HODs and students. Ms. Jessie Pius, Department of Physics welcomed the gathering. The Chief Guest certainly needed introduction so Dr. Mathu Suresh, HOD, Science and Humanities introduced the guest speaker Mr. Rose Cyril Xavier, Sub divisional Engineer, BSNL, Nagercoil.



Our Vice Principal delivered the presidential address. He inspired the students with his golden words. Then the program was taken over by the guest speaker Mr. Rose Cyril Xavier. He motivated the students by introducing innovative methods to inculcate the students.



His session was both interactive and inspiring. He insisted the students to set goals in everyday life. He motivated them to have leadership qualities and to have a strong foundation in what they choose to do in life also shared the 4 pillars of a successful, happy and healthy life. **"True success comes when you achieve success in health, wealth, relation and and spirituality"** said Mr. Rose Cyril Xavier.



"Chief Guest Mr. Rose Cyril Xavier with his power of knowledge motivated the students towards their goal."

Interactive session was carried out after the formal meet for the students on "Fight with fear". He made the students to understand the barrier that cause them from achieving success through ice breaker and team building activities. During the session he stated that fear is a phenomenon which coils inside your mind. Fear of failure doesn't make you proceed towards your goal. It makes you feel depressed like **"If I fail what will happen?"**. If you want to turn your dream into reality then you have to learn the art of fighting fear. Fear can frustrate you before moving a step forward. It has the capacity to shatter you. Ward off the fear and rekindle the courage inside you. If you develop the hidden power of courage then you can demolish a mountain also. You can make impossible to possible.

At the end of the session, "He instructed them to look for only positive things in and around themselves. He advised them to love themselves and the subjects they have chosen to study". After listening the success story of the chief guest the students felt ecstatic.

At the end of the program, the students promised to follow his valuable instructions and guidance. Ms. Rathika, Dept. of Chemistry delivered Vote of Thanks and the program was wrapped up with the National Anthem.



# SPECTRA 2017

## A TECHNICAL CARNIVAL

“Battle between the minds to rise above the limits”

**S**pectra 2017-a Technical Carnival celebrated in RCET campus in the month of October for a week. It's a popular means to engage students in technical activities beyond the curriculum. Students choose a project in their spare time and use their classroom skills to design, build and test a product for the betterment of the individual and society. RCET students develop a passion for Engineering in this competitive world.



We are interested in identifying and supporting those student activities that contribute to student learning. It helps to focus on research for professional development. Rohini takes the pride in offering not only academic and social opportunities, but a variety of other unique experiences as well.

SPECTRA 2017 organized from 03/10/2017 to 07/10/2017 for developing students technological interest. The ceremony commenced department wise with the group of dignitaries.

**On Day 1**, Prof. Prasath Sabari, Institute of Science and Technology explained the role of PLC/SCADA, its importance in Satellite, Petroleum and its related fields for the students of ECE Department. The workshop was based on the applications of PLC and SCADA. He explained how the advantages of PLC dominated over the disadvantages of Microcontrollers in terms of numbers of input and output, memory, networking. He also explained how to make a program in PLC using Ladder Logic Language.

**On Day 2**, Interior Designer Mr. Abdul Rahman, delivered a lecture on the significance of Modular Interior Design and Aesthetic View of Buildings for Civil Department. Modular interior design has become very popular and one of the biggest trends



when it comes to interior designing. Modular furniture is highly flexible and efficient and has lots more other benefits. It is made from pieces designed to fit together in a number of different ways. It can easily put your furniture together using different pieces available to get the look you want. This allows to rearrange the objects whenever you want to without any hassle. Also, technological competitions like model making, Innovative Building Structure, Brick Bonding were conducted by the students of the Civil Department.

**On Day 3**, The Resource person Dr. A.S. Raja, Senior Lead / Technical Head, Envestnet encouraged the students of Computer Science and Engineering with his impressive talk on “New Inventions in the field of Computer Science like Keyboard without Keys and Board, Data Leakage Detection, I-Cloud by Apple” and about the Job Opportunities in Information Technology. In order to bring out their skills, students are encouraged to design their projects on Support system for physically challenged people, Tracking System, Efficient Vehicle Monitoring System and various other competitions like Software debugging, Technical quiz were conducted.



among the Students.

**On Day 5**, Department of Mechanical Engineering organized various technical competitions. In this occasion, Senior Design Engineer Mr. S.R. Muthu Krishnan, Mercedes-Benz Research and Development India, Bangalore gave a talk on “Research and Development in automobile Field” and



motivated the students to explore the vast horizon of Technology. In his talk, he told that R&D is a strategic and long-term process; automotive R&D relies on significant investment and, increasingly, partnership with stakeholders. It takes time to carry out R&D and undertake through tests to deliver production ready technologies. Bringing them to market is yet another step, which is why vehicle manufacturers need decade-long lead-times to implement new technologies and requirements.



(From Top Left) Resource Persons **Prof. Prasad Sabari, Interior Designer Mr. Abdul Rahman, Deputy Inspector General S. Babu Vengadesh, Dr. A.S. Raja, Senior Lead, Senior Design Engineer Mr. S.R. Muthu Krishnan.**

With the key objective of bringing out the hidden talents of students and with a focus on creating more awareness of science, technology and engineering, several programs like 15+ Guest Lectures, 75+ Projects and 10+ funded Projects has been exhibited by TARCET team. Students presented more than 100 papers on technological development and Innovation and the best 3 project groups were awarded. The function has been a result of good hard work done by the students who showed good enthusiasm to display their projects. The function was fully organized solely by the student volunteers. The function generated a

high degree of excitement among the faculties and students of the college. The participants with the best project were awarded with the first, second and third prize. The other participants were awarded with the participation certificate. Every projects were highly appreciated by the industrial persons.

In RCET an Engineer's life is full of exciting events, such as technical and cultural fests organized by colleges across the nation every year. Every student should experience this organization process at least once during the course of their undergraduate studies. The time spent in organizing these fest not only gives you a huge amount of experience, but also provides you with moments that you will cherish for a long time to come. Mechanical Students exhibited their own models to prove their individual ability on technical skill. Thus the week ended fruitfully by distributing prizes for their individual talents.





# NATIONAL LEVEL SEMINARS & WORKSHOPS

“Learn The Real World Experience”

## IEEE AWARENESS PROGRAM

Engineers apply the theories and principles of science and mathematics to research and develop economical solutions to technical problems. Their work is the link between perceived social needs and commercial applications. IEEE plays a major role in an Engineer's life where IEEE is the world's largest technical, professional organization dedicated in advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

Rohini College of Engineering & Technology initiated IEEE Awareness Program for students on 19.01.2018 at Opulent Hall. The session was initiated with an Inauguration ceremony in the presence of the Management persons, the Principal, the Chief Guest Prof. A. Darwin Jose Raju and the Heads of various Departments. The welcome address was given by Shaji, student of third year ECE. Prof. Nivya K Suresh AP/ ECE gave the Introduction about the Chief Guest and said that he is one of the Senior Member of IEEE working as an Associate Professor in Department of Electrical and Electronics Engineering in St. Xavier's Catholic College of Engineering. He is one among the active volunteers of IEEE Madras Section. By long listing his achievements the session was handed over to the respected Chief Guest Prof. A. Darwin Jose Raju.



In his Keynote address, he highlighted about IEEE Xplore and he also added the significance of IEEE Xplore where it is a research database that indexes, abstracts, and provides full-text for articles and papers on computer science, electrical engineering and electronics. The database mainly covers material from the Institute of Electrical and Electronics Engineers (IEEE). He presented a presentation about “How to use The IEEE Xplore digital library?” and “How to access more than 3.5-million full-text documents from some of the world's most highly cited publications in electrical engineering, computer science and electronics?”. The session was interactive and more useful to the final year and the pre - final year students for their projects. He also explained the importance of the IEEE access in an Institution. The event ended with vote of thanks delivered by Ms. Ajitha.C of Final year ECE.

## A ONE DAY WORKSHOP ON “FPGA FOR SATELLITE COMMUNICATION”

A One day workshop was conducted by the Department of Electronics & Communication Engineering, by Mr. Ahilan A, ME,(PhD) Young Scientist Awardee, Project Manager, Mindworkz Technologies. Ahilan is a Senior Project Manager in Mind Works Technology, Android developing company. This company was launched in 2009 by two former Googlers. They started off as an app studio and have grown into being a leading source of information about the Android ecosystem and trusted advertising partner of thousands of developers. They operate from two offices in Switzerland and the Netherlands, and a relatively small team allows them to be agile and provide timely solutions to their customers. They design and implement systems which can scale to millions of users and hundreds of queries per second, while staying simple, flexible and elegant.



Resource Person **Mr. Ahilan A, M.E.**, Young Scientist Awardee, Project Manager, Mindworkz Technologies addresses the gathering.

The discussion was about “FPGA for Satellite Communication”, FPGA architecture and design flow, Behavioral and structural description for design representation and design entry, FPGA specific structural optimization with respect to speed and area. This workshop helped the faculties and students to explore ways to harness more of digital circuit design logics in FPGA tool flow for real time applications.

The session was very interactive, students clarified all their queries. Continuous learning and evaluating new technologies of this kind help student to stay ahead in this competitive world. In this workshop students of Rohini College of Engineering & Technology and budding Engineers from various colleges got benefited. Thanking the efforts of student and the management the programme ended with the National Anthem.

## ONE DAY WORKSHOP ON “ENERGY CONSERVATION AND ELECTRICAL SAFETY”

A training workshop for students of EEE on Energy conservation and Electrical Safety was organized by Department of EEE in coordination with Tamilnadu Electricity Board. The objective of this workshop is to add value to the engineering education by adding the important aspect of Energy Conservation & Management. The students were trained on various tools and methods for energy conservation and efficient use of energy. Training module was distributed to all the participants. The Heads of Departments, Student Secretary and Treasurer, Respected Chief Guest Mr. M. Sivalingam, Superintendent Engineer, Non- Conventional Energy Source, Tirunelveli and 15 members of his team were present on the occasion along with other officials.



Resource Person **Mr. M.Sivalingam**, Superintendent Engineer, Non- Conventional Energy Source, Tirunelveli addresses the gathering.

In the inaugural function, Prof. Jeyakumar, Head of Department, Electrical Engineering introduced the chief guest which was followed by the Chief Guest Address by Mr. M. Sivalingam, Superintendent Engineer, Non - Conventional Energy Source, Tirunelveli. While addressing the students, Mr. M. Sivalingam highlighted the importance of incorporating energy into different subjects. He urged the entire team to inculcate the inputs gained during the workshop in the classroom and he also pointed out various steps that can be taken up at individual levels to conserve energy and use it efficiently.



The technical session started with the overview of the energy sector and Energy scenario in India, where Mr. M. Sivalingam pointed out that, India has less than 1% of world oil & gas reserves and 17% of world population. He remarked that heavy dependence on imported energy (80% of oil, 15 to 20% of coal and Gas), poses serious questions about energy security and balance of payment. To meet challenges of climate change and environmental pollution, improving energy efficiency is a cost effective solution. He also discussed about why energy should be saved. This was explained with several examples. He explained how the investment can be reduced using energy efficient tube lights, fan etc.

In the technical session II, measures of saving electricity in motors & pumps were highlighted. To make the sessions interesting, various case studies were included to highlight the energy conservation practices employed by various industries towards energy conservation, cost reduction and sustainable development.

All the sessions were highly interactive and participants actively interacted with the experts. The workshop was very interesting and successful and met the objective for which it was planned and organized. Final year student Sarika Vani concluded the inaugural function by presenting the vote of thanks. Student Saravanan and Latha of Second EEE, beautifully and successfully anchored the program.



## A THREE DAY HANDS ON TRAINING SESSION ON “GRID COMPUTING”

Rohini college of Engineering and Technology endeavours to provide education and training of consistently high standards through innovative and versatile programmes suitable for the current and emerging needs of the community.

RCET is organising a series of Faculty Development Programmes in Engineering & Technology in its campus to impart high quality training to the faculties in the emerging areas. To begin with, Department of Computer Science and Engineering organized a three day Faculty Development Programme on Grid Computing from July 22 to July 24, 2017. Resource Person Mr. Venkatesh, Trainer, Elysium Academy handles the training session .



Grid and Cloud Computing is becoming prevalent in both academia and industry. Grid Computing is a form of distributed computing in which an organization(business, university, etc.) uses its existing computers (desktop and / or cluster nodes) to handle its own long-running computational tasks.

Cloud hosting provides organizations with virtual IT services all around the world, with no hardware, installation, or maintenance costs. Applications of the cloud computing are as business cloud apps used for social business/collaboration, file sharing, business productivity and CRM/marketing. Topics covered with Hands-on Session on Grid Computing (using Globus Toolkit), Web Service Development, Grid Service Development, Grid Security, GRAM, Cloud Computing (using Nebula), Configuring and managing VM, Installing Virtual Storage, VM Migration, Programming Hadoop Model. At the end of the session, the initiative of Computer Science Department was highly appreciated by the Principal and participation certificates were distributed to the participants.

## A ONE DAY NATIONAL LEVEL TECHNICAL SYMPOSIUM ON CIVIL ENGINEERING

**SQUADRA '18**, is a National Level Technical Symposium conducted by the Association of Civil Engineers, RCET on 05.02.2018. This Technical Symposium aims at encouraging all participants to explore their technical skills and enhance their conceptual knowledge. We bring you the finest, most advanced of symposiums, the likes of which has never been seen before.



The event started with the formal Inaugural function at 9.30 a.m in Opulent Hall, with the presence of our beloved Principal Dr. R. Rajesh, Heads of various Departments. Chief Guest Dr. C. Ganapathy Chettiyar, Former Head Ocean Engineering Department, IIT Madras presided over the function. The function started with Invocation song, followed by the welcome speech given by final year student of Civil Engineering. The Chief guest was introduced by the Head of Civil Engineering Department Prof. Hari Gopala Krishnan, followed by presidential address given by the Principal. Vote of thanks given by the student Secretary.

The session was made more fruitful by the eminent personality Dr.C.Gnanapathy Chettiyar. He shared his experience and the opportunities available for the Civil Engineering students. He insisted the students on acquiring skills in order to sustain in this competitive world. All technical and non-technical events which rack your brain and takes you to a whole new level were conducted in various rooms. Students from different colleges participated. We have total count of 200 students registered for different events and in particularly we have 13 students in Paper Presentation, 57 students for Technical Quiz, 74 students for Brick Wall, 17 students for Poster Design, 15 students

for gaming, 24 students in Treasure Hunt and Connections. Valedictory function started at 3.30pm. Students from different colleges shared their experience about SQUADRA'18 followed by Prize Distribution for winner's. Prizes and Certificates were distributed by the Principal. The function was finally ended by thanking management, Principal, HODs, Faculties, Non-teaching staff, all student coordinators who worked for this event to make this event a grand success.

## A TWO-DAY NATIONAL LEVEL TECHNICAL WORKSHOP ON KTM Engine Explore “Mr. Engine” in association with 'KTM'

The Department of Mechanical engineering organizes workshops every year to spread the knowledge to the local community by the guest lectures and hands-on experience. A workshop can introduce a new concept, spurring participants to investigate it further on their own, or can demonstrate and encourage the practice of actual methods. Especially for people who work together, a workshop can help to

create a sense of community or common purpose among its participants. In the row, a two-day workshop was organized by the Department of Mechanical engineering on 5th and 6th January 2018 in the presence of our eminent chief guest Dr. Bruse Rolphine Rose, Prof – Anna University - Tirunelveli. The gathering was welcomed by student Visalakshi, third year Mech. Two sessions were planned to be conducted on the same day to facilitate the students to gain knowledge in their specific areas of interest. KTM Engine Tuning Workshop is a motor sports focused training, to understand the engine performance maps, behavior, performance technicalities, tuning on PE standalone systems, manifold design, common errors and how to walk around them. KTM is a leader in the motorcycle industry, with riders on KTM motorcycles winning numerous championships around the world. Aim of the workshop is to provide state-of-the-industry motorcycles, training aids, tools and more to prepare students for successful careers in the motorcycle industry.



During the training session, Day 1 training covered the Engine selection Duke 390 vs CBR600 (Power and torque curves, Track layout and requirements), Understanding Duke 390 stock performance curves (Duke on the dyno), Intake manifold design (Restrictor design, Intake manifold runner length and volumes). Day 2 session concentrated on Stand-alone ECU options (Power Electronics).

Mechanical Engineers who are looking to develop engineering projects on drones can take up this course to understand the innovative technology from basics. By doing this mechanical workshop you will practically learn the concepts behind the engine control unit, sensors, and actuators and you will also learn to assemble & dismantle IC engines so as to know the internal working mechanisms. Thus, the workshop concluded with the Vote of Thanks by student Ms. Sinuja, III Year Mechanical.





## FACULTY DEVELOPMENT PROGRAM ON PROGRAMMING IN PYTHON 3.0

Department of Computer Science and Engineering conducted a Faculty Development Programme on Programming in Python 3.0 for faculties of various colleges. The program began with inauguration session in the Opulent Hall which was presided by the Principal, Head of the Computer Science Department Prof. Sahila Devi, Prof. Vasudevan, Faculty of Computer Science (Resource Person), and other department faculties and students.

Session 1, started by Prof. Vasudevan after inauguration. The topics covered laid the foundation towards learning advanced concepts of Python based on Anna University syllabus such as Introduction to Python and Installation procedures, Python variables, Python I/O operations, Conditional and looping statements, Pygame, Data Structures using Python. Session 2 covered the following topics, Text Processing using NLTK Approach, File Handling, Data analysis using python.

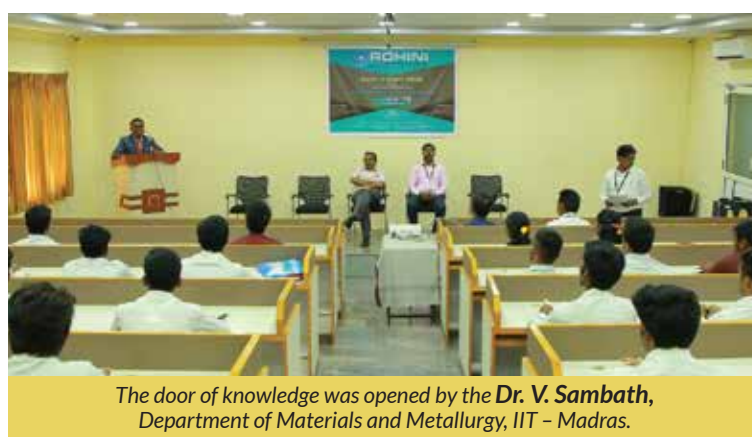
Prof. S. Vasudevan conducted the training session. Training material covered topics on “How to run Python codes (Python 3.6 in Windows 7), Basic data structures, math operation, String, Basic Python data structures, Function in Python, Advanced python concepts, Overview of File Handling: Concepts of file system, process and how they work together in the operating system, File searching & Sorting in Python, Process concepts, Overview of Python, Animations using Python.”

While most of the attendees - largely faculty members from various colleges and graduate students - had some coding experience, almost none of them were well versed in using the various Python packages. Participants used our college computers to get a hands-on experience of Python, allowing everyone in the workshop to run the same code but select datasets of their own choice. The advantage of attending this FDP is that the participants get all the book materials, software and lab program materials so that they can continue to use them after this FDP. Certificates are provided to all faculty members. Trainer enjoyed working with the training groups, stating, “It's always fun to get out there and teach python to a group of enthusiastic faculty and students. And they absolutely were.” Overall, participants had very positive feedback. Looking forward to do more Python FDP in the future.”

## ARMS- “ADVANCED RESEARCH IN MATERIALS SCIENCE”

On 5th February 2018, Department of Mechanical Engineering organised a seminar on “Advanced research in Materials Science”. Mechanical engineering is a very broad field of engineering that involves the application of physical principles for analysis, design, manufacturing, and maintenance of mechanical systems.

The Board of Directors, Resource Person Dr. V. Sambath, Department of Materials and Metallurgy, IIT – Madras were present on the dais. The gathering was welcomed by student Bala Murugan of third year Mechanical, Presidential address was given by respected Principal Dr. R. Rajesh, the chief guest was introduced by Dr. S. Indran, Head of Mechanical Engineering.



The door of knowledge was opened by the **Dr. V. Sambath**, Department of Materials and Metallurgy, IIT – Madras.

The interdisciplinary field of materials science, also commonly known as materials science and engineering, involves the discovery and design of new materials, with an emphasis on solids. The intellectual origins of materials science stem from the enlightenment, when researchers began to use analytical thinking from chemistry, physics, and engineering to understand ancient, phenomenological observations in metallurgy and mineralogy.

To discuss the advancements in the field of Materials Science, these seminars has taken the initiation to gather information through experts both from academic and industry. The Materials Science seminar serves as good platforms for the student's community to meet experts with each other and to exchange thoughts. The workshops and symposiums started as an investigative meeting with an underlying mission to prepare students to differ controls with the aptitudes and capabilities required to diverse disciplines with the skills and competencies needed to face the challenges of a quick evolving world. Keeping pace with quickly developing thoughts and advances through quality session has been the fountainhead of the development of this seminar. The seminar focused on ability to apply knowledge of mathematics, science, and engineering, an ability to identify, formulate, and solve engineering problems, an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. The Mechanical Engineering seminar series provides an unparalleled opportunity to an individual to increase the depth of his scientific knowledge. The seminars are held every week, and also offer an ideal platform to initiate inter-disciplinary work cutting across boundaries The department maintains a very vibrant academic atmosphere through various academic initiatives. There is a regular stream of visitors to the department, both for long term and short term, resulting in collaborative research, interactions and seminars.

## A ONE-DAY NATIONAL LEVEL TECHNICAL WORKSHOP ON “3D PRINTING”

Rohini College of Engineering and Technology, the Department of Mechanical Engineering organized “A National Level Workshop on 3D Printing” on 11.08.2017 for Mechanical Engineering students. Department of Mechanical Engineering takes pride in providing experiential learning processes at the grass root level through 3D Printing Technology. It aims at revolutionizing the classrooms by making students aware of this futuristic technology.

The Board of Directors, Chief Guest Dr. S. Rajkumar, Head, Department of Mechanical Engineering, Anna University, Tirunelveli graced the occasion. Student Visalatchi of III Mechanical Engineering delivered the welcome address and introduced the Chief Guest. The Principal delivered speech on “The importance of 3D printing to the Engineers”. He congratulated the Department of Mechanical Engineering for organizing this workshop and welcomed the participants. The opening remark was made by Dr. S. Indran, Head of Mechanical Engineering, Convener of the workshop.



Chief Guest **Dr.S.Rajkumar**, Head - Dept. of Mechanical Engineering, Anna University, Tirunelveli graced the occasion. with his thought provoking speech.

Chief Guest Dr. S. Rajkumar, Head - Dept. of Mechanical Engineering, started the session with the introduction on 3D Printing highlighted the key features of 3D Printing. He explained the basic principle involved in 3D Printing, evolution of 3D Printing. 3D Printing refers to processes in which material is joined or solidified under computer control to create a three-dimensional object with material being added together (such as liquid molecules or powder grains being fused together). 3D printing is used in both rapid prototyping and additive manufacturing (AM).



Session 2 started with the Hands-on session on using Sketchup basic Geometrical shapes & a customized mini project; Demos of Tinker CAD, Open SCAD, Designing Code, various types of 3D Printers. He started the session with Live demo of Printing, STL principles, Print Bed Calibration, Object placement. The 3D Printing workshop is first of its kind in the arena of creativity; computerized manufacturing techniques designed especially for students to advance learners. Several students from other colleges participated and got benefited from this workshop.

Certificates were distributed to all participants. This workshop on 3D printing helps the participants to understand the design, functioning and operation of a basic 3D Printer. The Resource person and the Principal congratulated the organizing committee and the participants for making the workshop a grand success one.

## ROHINI STUDENT RECOGNIZED FOR WORLD RECORD IN ETHICAL HACKING

Second year Electrical and Electronics Engineering students R. Merbin and K. Nadarajan made World Record in code hacking conducted by Wiki-techy & Microsoft research community group, Chennai with the theme of “Ethical Hacking & Security and prevention Techniques”. This workshop covered the topics like Hardware Level Hacking & Security Prevention, Website Hacking & Security Prevention, Web server Hacking & Security Prevention, Virus Creation / Antivirus Creation, Mobile Hacking with its Prevention, Whatsapp Hacking With its Prevention. It is a world record workshop with hands on practicals by world top most hacking experts. It's a part of world record events.





## A ONE DAY

# WORKSHOP ON APPLICATION OF REMOTE SENSING

On 24.01.2018, MIRAS Techshop' 18 - Department of Civil Engineering in RCET conducted workshop on "Applications of Remote Sensing". Board of Directors, Chief Guest Dr. Satheesh Herbert Singh, M.Sc, Ph.D (Project Consultant) presided over the function.

The gathering was welcomed by student Aby Alexander, final year Civil Engineering and Chief guest was introduced by Akhil Alexander, final year Civil Engineering. The resource person Dr. Satheesh Herbert Singh presented his experience in the field of Remote Sensing. He insisted on the importance and the application of Remote Sensing. This workshop focussed on Resource Exploration, Environmental Study, Land use, Site Investigation, Archaeological Investigation and Natural Hazards Study. In practice, remote sensing is the standoff collection through the use of a variety of devices for gathering information on a given object or area. In remote sensing, information transfer is accomplished by use of electromagnetic radiation (EMR). EMR is a form of energy that reveals its presence by the observable effects it produces when it strikes the matter. EMR is considered to span the spectrum of wavelengths from 10-10 mm to cosmic rays up to 1010 nm, the broadcast wavelengths, which extend from 0.30-15mm. This application area included regional planning and site investigation, Terrain Mapping and Analysis, Water Resource Engineering. It also explained about how remote sensing could become a valuable resource of input data to GIS for Civil Engineers in the future.

More than 100+ students participated from other colleges and got benefited. Certificate was distributed by Principal Dr. R. Rajesh and thus the workshop was concluded by student Ms. Nivetha, final year Civil Engineering by thanking the supporting pillars for making this workshop successful.



## DEPUTY INSPECTOR GENERAL S.BABU VENGATESH REVEALS

# "THE PRIME CONDITION OF HIS SUCCESS – THE GREAT SECRET"

To make classes more approachable and appealing to students Department of Electrical and Electronics Engineering organized a Guest Lecture on "Secret of Success". Guest speakers have become an important part of the educational experience for students. They expose students to real-world life experiences from the position of someone who has been there. The Guest Lecture and Success Series talk aims to let students learn from industry experts who share their experience in their respective fields and their advise on how to become successful.

The event started by lighting the lamp of wisdom. Chief guest was introduced by Dr. Mathu Suresh, Head of Department, Science and Humanities. The guest lecture aimed at inspiring the students, the chief guest Deputy Inspector General S. Babu Vengadesh, Indian Coast Guard Station, Tuticorin spoke of his real-world experience of current market trends and the challenges faced by him to succeed in his life.

In his presentation, he shared his secrets to success .He insisted the below mentioned points for students to achieve their Goal."How you think is Everything, Decide upon your true dreams and goals. Take action, Never stop learning, Be persistent and work hard, Learn to analyze details, Focus your time and money. Don't be afraid to innovate, deal and communicate with people effectively, Be honest and dependable". The session captured the realities of corporate illustrations. The class was overwhelmed at the amount of learning. The young energetic engineers for the future had loads of fantastic questions on what they can do to make the world a better place.

## INAUGURATION

# TARCET (Technical Association of RCET)

Rohini college of Engineering & Technology would like to extend an activity under "TARCET" to fulfil the thirst of the corporate by updating the students' knowledge on recent trends and technologies. The Inauguration ceremony of TARCET held at the Opulent Hall on the function initiated with the valuable presence of the Chairman, the Vice Chairman, the Managing Director, the Principal, the Chief Guest, the TARCET Head and The Heads of various departments. Thameena, student of II Year ECE delivered the welcome address.



Followed to that the Principal gave the presidential address in that he stated that "The TARCET is like the stepping stone which helps students to get the required technical job by updating their knowledge. It also acts as a bridge between the employer and employee and also it helps in getting the job as per employer's requirements". He also

stated that "Updated technical knowledge is the most important selection criterion which is taken into consideration by various companies while fulfilling their recruiting requirements. Being weak at technical skills can lead to a student losing his/her chance to get the dream job".

After that Dr. Indiran, The Head of TARCET & Mechanical Department was given the Introductory speech about the importance of a Technical committee in an Engineering college. Next to that, The Chief guest Mrs. Masha Nazeem, Inventor & CEO of Masha Innovation Center illustrated a presentation about her Award winning projects and her achievements. She also demonstrated the projects of various Inventors from school level to college level. Her exemplary knowledge shows



For the betterment of student, a MOU was signed with Masha Innovation Centre in order to ignite their minds with recent technology.

our students an example about **"A person without required skills can bring disaster to the company because of lack of experience and skills to tackle to the challenging environment that the employee has to face while performing his duties"**. Hence she concluded her talk by insisting students to use every opportunity to enrich their knowledge by providing extended cooperation. The event ended by the thanking note given by Jeni Sussana, student of III CSE.



After the chief guest speech, RCET signed a MOU with "Masha Innovation Centre".

The purpose of MOU was to share knowledge and capability in the specified areas for mutual benefits, to become trusted partners in the area of knowledge enrichment, to collaborate, share information and technology, to develop the required skills and intend to create a centre of excellence to support this collaborative effort and to improve the creativity and innovation among the students. The experts from Masha Innovation Centre would help the RCET students to convert their ideas into reality. On the same day, Dr. S. Indran, The TARCET Head assigned some of the faculties and students from various department as TARCET Coordinators and TARCET members. The TARCET Coordinator will guide and motivate the students to participate in various events like paper presentation, mini projects and other technical events.





# “INNOVATIVE PROJECTS TO CHANGE THE WORLD”

## ROHINI PRODUCT DEVELOPMENT CENTER

The Product Development center in Rohini college of Engineering and Technology is a central facility available with the Mechanical Engineering Department, first floor of Mechanical Engineering block wherein all the students of the department (UG & PG), research scholars and faculty can work with their innovative ideas to give a product to our society. The students are encouraged to learn, practice and apply the knowledge gained into their research areas. Initially this facility is introduced mainly for PG students (Project Work) to evolve concepts and convert it into a complete product. RPDC is air conditioned and furnished with 30 networked systems with uninterrupted power supply, internet and projection facilities.

## COCONUT / PALM TREE CLIMBING MACHINE

Our final year UG students are developed an innovative product for Coconut / Palm Tree Climbing Machine and delivered to a former in the year 2018 under the guidance of the department head Dr. S. Indran. The main goal of this project is to minimize human efforts required for coconut tree climbing, and the most important to provide safety to the climber. The time for climbing a tree has been reduced.

Nowadays in city areas climbers are not available because of that the wastage of coconut increasing day by day. Also these matured coconuts are not innocuous for human if we are not harvest that it can be harmful to the human. Coconut is one of the cash crop in India. India is one among the top players of coconut producers in the world. The plantation and harvesting of coconut plant is a time taking process. Traditionally this job is taken up by the socially and economically backward people in India. As the literacy rate increases and India is growing economically, there are several high paid jobs which people move to. It also a risky job in which an accident might be fatal in some cases. Without proper insurance coverage, this could be a blow to the entire family if the climber is the lone person to earn and take care of the family. It is also found that, people engage in this job for several years develop issues related to their skin.

Better solutions have to be identified to harvest coconuts since the job is risky in nature. So that, our final year students taken up this as an idea to develop an innovative product. The conventional way of harvesting is by climbing the coconut tree can be evaded by this product. If the climber climbs on tree and falls from the height of 90 feet then downright he will die. So we conclude that this machine can be used in future and this agricultural product will be a boon for the formers.



## HYBRID SOLAR AND WIND ENERGY SYSTEM

Our final year Mechanical and Electrical and Electronics Engineering students of RCET are jointly working with a World level project on “Hybrid Solar and Wind Energy System” in collaboration with the National Institute of Wind Energy (NIWE) and supported by KST Wind Engineering India Ltd, under the authority of the Ministry of Renewable Energy, Govt. of India. To apply advanced techniques in this project recently scientist from 20 different countries visited the college campus and congratulated the students for their efforts.



## AIR GUN

A New Innovation by Rohini College Student for the Benefit of Farmers



S.P. Sivalingam final year student from Mechanical engineering Department has invented an Air Compressing Gun with the help of Dr. S. Indran, Head of the Department and with the guidance of his professors to protect the crop field from wild animals like wildboar and monkey for the benefit of farmers with the minimum cost.

When the student was saying about the device, the new

device will be used to evacuate single animal. The bullets used in this device has of some tree hard seeds reinforced clay in it. By using these kind of bullets the animals will not be injured and new trees will be grown by the seeds in the bullets. He also has made a new device to evacuate group of animals with the use of LPG gas instead of compressed air and more number of seed bullets.

Dr. S. Indran, Head Mechanical Department has informed that the cost for manufacturing this device is Rs.260/- and it will be for sales at Rs.300/- for farmers. Arrangements will be made to sell the device in public.

The Award for new innovations in Engineering colleges at Kanyakumari District has been given to the student S.P Sivalingam by the District Collector Mr. Sajjansingh R. Chavan. Rohini college Chairman Shri. K. Neela Marthandan, Vice chairman Dr. N. Mohan Neela Judith, Managing Director Dr. N. Neela Vishnu and the Principal Dr .R.Rajesh has congratulated and honoured the student and the Professor of Mechanical Engineering department.

## PIZZA DELIVERY ROBOT

While technology may innovate at lightning speed, Rohini is also moving in that same pace. RCET students participated in “Kumari Skill Summit 2017” organised by the Department of Employment and Training, Govt. of Tamil Nadu. This event inaugurated by our former District Collector Mr. Sajjansingh R Chavan and Mr. R. Charan IAS held at University College of Engineering, Nagercoil. From Rohini various students participated in that event, among that our ECE students C. Maggie Shagulin, B. Priya Hassini, S. Bhagavathi, S. Uma, S. Nisha and G.Sridevi presented a project “PIZZA Delivery Robot”.

They explained that “Many robots and androids were helped to make human lives easier. The robot can also detect the movements of multiple objects and assess distance and direction too. Robots can be guided by an external control device or the control may be embedded within. Robots may be constructed to take a human form but most robots are



machines designed to perform a task with no regard to how they look. For all the praise the machines received, the rise of the robots made people uneasy. The robot uses cameras and sensors to carry pizzas to hungry customers”. They also explained about working principle, methodology and application of the robot in the real world. This project created a big attention among all and they won First Prize and a medal from the dignitaries. The awarded students were chosen to participate in “State Level Technical Summit” on behalf of Kanyakumari District.

The Chairman Shri. K. Neela Marthandan, the Vice Chairman Dr. N. Mohan Neela Judith, the Managing Director Dr. N. Neela Vishnu and the HOD’s of all departments congratulate the students for their achievements.



RCET celebrates its College Day

## RIPPLE 2018

### with Passion and Gusto

**R**ipple 2018 - Annual College Day for RCET-ians that happens once in a happy year. This annual day celebration makes the student smile and cheer up with full of joy and entertainment. RIPPLE '18 and DJ Night is a study-free day, filled with fun, frolic and amusement day. The building was decorated with light that gave a dimension to the building and the campus. Decorations produced a stunning effect making the exterior take a different appearance once the harsh flood of daylight has gone.

On this occasion, several awards were given to the deserving students. Best Academic Performer, Best House Award was given to Violet Team in Sports Yuddhame' 18, Overall championship award in Fine Arts Competition Sizzle '18, Final year Toppers 2017, Rank Holder in University Exam, Best Performer for Faculty and Student.



The honourable Chairman Shri. K. Neela Marthandan, Vice Chairman Dr. Mohan Neela Judith, venerable Managing Director Dr. N. Neela Vishnu, Principal, Dr. R. Rajesh, Special Guest Mr. John R.D. Santhosam, Fast Track Mahila Court Chairman Permanent Log Adalat and Respected Head Master of Thoppur Hr. Sec. School, Kumarapuram, Mr. Kishore distributed the prizes and congratulated the students on day one.

The evening session Light Music and DJ Night was made memorable by DJ Nina Surete from Poland. Rohini College of Engineering and Technology students and staff, forgot the worldly pain and pleasures and submerged themselves in celebrating the DJ Night.

The second day celebration started with a formal meeting followed by Lamp Lighting, a tribute to Goddess mother Saraswathi, by the Board of Directors, respected Chief Guest Dr. Ra-mesh, Deputy General Manager IPRC, ISRO-Mahendragiri. He shared his experience and the career opportunity available in ISRO. Principal Dr. R. Rajesh



presented the Annual Report 2017 appreciating the achievement of the students and their innovative knowledge.

The celebration of RIPPLE 2018 started with a classical performance. The annual college day had a filmy touch, as Kollywood actresses Oviya, Music Director G.V. Prakash and Mirchi Vijay, a great Igniter, a Radio Jockey were present and added colors to the event.

The two days celebration was an amalgamation of mellifluous music, dazzling dances and thought provoking skits and fashionable fashion show. Master of Ceremony for the event are Aisha (ECE), Latha (EEE), Abith(ECE), Jimson(EEE), Manjunath(CIVIL), Thameena(ECE). The two day celebrations were coordinated by Student Committee members.

Parents and guests had a glint of pride in their eyes as they watched the mesmerizing performances of the young students. Both, staff and students enjoyed the DJ Night and Ripple 2018(the Annual Day) to the fullest, and really appreciated the event put forward by the Fine arts Committee.



## SIZZLE 2018

### Never Stop Exploring

The inauguration of Sizzle 2018 organized by the Fine Arts Committee of RCET that took place in the month of January 2018.

The respected Chairman, venerable Managing Director Dr. N. Neela Vishnu, College Principal Dr. R. Rajesh, Heads of all departments presided over the function. The two-day fest was attended by more than 1000 students from all departments. Students participated in more than 18 different competitions. The highlights were events like the Photography contest, Nail Art, Scrap Art, Pencil Sketching, Instrumental Music, Group and Solo Song, Group and Solo Dance and other Off Stage Events like Essay writing, Elocution, Story and Poem Writing held in different locations based on the convenience of the student.



Other popular events included Ad MAD, Bouquet Making, Rangoli and Fashion Show competitions. Principal said, "We want to take SIZZLE 2018, the two-day Cultural Fest to a level where it would be a brand among all colleges in TamilNadu. We have constantly strived over the years to include diverse events so that students can participate and make it a grand success." The event was diligently organized by the Students Coordinators of Fine Arts Committee.

And this way, a beautiful interaction reached its logical conclusion. We cannot end this summary without mentioning the commendable effort and meticulous planning of the Student Coordinators Mr. Aby Alexander of final year Civil and Ms. Reghu Nandhini of final year ECE.

## GRADUATION DAY

### University Rank Holders were felicitated

The Opulent Hall filled with amazing people coming from different background, bringing along not only their unique culture and personality, but also their aspirations and desires.



Chief Guest **Dr. Ngesa Ezekial Mushi**, Researcher in the University of Dar es Salaam, Tanzania empowered the graduands to reach greater height.

Graduation Ceremony was presided over by the Honorable Chairman, Managing Director, Principal, Heads of various Department and Distinguished Chief Guest Dr. Ngesa Ezekial Mushi, Researcher in the University of Dar es Salaam, Tanzania. He is well known for his highly remarkable contribution and achievements in the Department of Mechanical Engineering. The keynote address was given by Principal. Prof. Aarthi, Head of the Department of

Training and Placement welcomed the gathering.

**"Make the Impossible Possible"** These inspirational words were from the Chief Guest. He also defined the caliber and mindset of the Engineering graduates. He extended a warm welcome towards the gathering and assured the students, that the journey of engineering course will be exciting as they would be enabled to transform ideas into devices. He also emphasized on learning, effective utilization of time, development of novel ideas, innovation, research, inter disciplinary approach to stay productive. Congratulated the students and told them that the graduation was the culmination of a long and challenging but ultimately rewarding journey. His speech greatly empowered the graduands to reach greater height. Followed to his address, degree certificates were presented to the students by the Chief Guest in the presence of Honorable Chairman, Managing Director, Principal, Heads of the Departments and respected parents.



RCET takes the pride in receiving 12 University Ranks. Their hard work and dedication was recognized and appreciated by the Management. Wishing the students the meeting ended by National Anthem.



# SPARKLES 2017

a dash of exotic beauty and color to RCET

## INTER SCHOOL CULTURAL FEST

The respected Chairman Shri. K. Neela Marthandan, Vice Chairman Dr. Mohan Neela Judith, venerable Managing Director Dr. N. Neela Vishnu, respected Principal, Heads of Departments presided over the function. Mrs. Nagammal, Headmistress of SMRV School, Vadesery inaugurated the fest, emphasized the need for students to nurture their talents till they reached perfection.



The two-day inter-school cultural competitions were held in our sprawling premises, in which over 2700 students from across the State participated. The competitions are conducted in three Level like Sub-Junior (Grade I 6<sup>th</sup> to 8<sup>th</sup> std), Junior (Grade II 9<sup>th</sup>, 10<sup>th</sup> Std) and Senior (Grade III 11<sup>th</sup>, 12<sup>th</sup>) categories, and eminent persons from the respective fields were selected as Judges. Competitions like Solo Dance, Singing, Elocution (both English and Tamil), Thirukurral Recital, Quiz, Fancy Dress, Drawing, Clay Modeling, Scrap Art were held. The contests conducted simultaneously in different venues had enthusiastic participants.

The highlight of SPARKLES is that it will provide a platform for students from classes VI to XII to showcase their skills in various fields, from Fancy Dress, Dance to creative writing. Children dressed in bright hues added colour to the contest and vied for



attention with their performance. The pageant show of the school children won a wide round of applause from the audience.



Overall Championship was awarded their winning shows the best practice of the Management, being inculcated to

their Students, their tireless effort has made the students achieve more. Enormous response from children, parents and teachers to the State-level Event.



## YUVA 2K18 - Unveil Creativity

A TWO-DAY

## STATE LEVEL INTER-COLLEGIATE CULTURAL FEST

The stage was set, the hopefuls were ready and the day dawned - bright and fresh reflecting the spirits of our students and then a two-Day State Level Inter-Collegiate Cultural Fests "Yuva 2K18" organized by Rohini College of Engineering & Technology was inaugurated at The Grand Arena on 9th & 10th March 2018.



The minute one set foot on The Grand Arena, one could feel the vibrancy. Outside the auditorium, as you saw various students dressed colourfully, it set the mood for the celebrations. The tone of decorations was very festive as you entered. The dais had been decorated with the august presence of distinguished guests Chairman Shri. K. Neela Marthandan, The Vice Chairman, Dr. N. Mohan Neela Judith, The Managing Director, Dr. N. Neela Vishnu, The Principal Dr. R. Rajesh, The Chief Guest Mrs. M.S. Rintu Selvam, MD SP Group - SP Mall and the department Heads. Soon, The Chairman Shri. K. Neela Marthandan arrived and declared the festival open with the lighting of the lamp along with other esteemed persons on the dias.

Then, Astami Suresh, Student of First Year ECE, welcomed the gathering and the students welcomed the dignitaries by presenting blossoming bouquets of flowers to them, one to one. Next to that Ragu Nanthini, student of Final Year ECE introduced the Chief Guest. Then the presidential speech was given by our Principal Dr. R. Rajesh. He encouraged the students with his warm and motivating words, also expressed that it is his dream to see events like this take place more often, at the campus of Rohini. After that, The Chief Guest Mrs. M.S.Rintu Selvam, Managing Director of SP Group, SP Mall, Krishnankovil congratulated the college management for organizing such a mega event. She expressed hopes of achieving many more such laurels to the Institute in the future. Following the formal program, various events such as Indian & western Group dance, Solo dance, Mime, Instrumental music, Indian & Western Solo singing, Duet singing, Rangoli, Face painting and Event photography were held at different venues simultaneously.



The fest witnessed an increased number of participants from 34 colleges There were more than 1600 registered participants for all the above events for the two days. The key note address delivered by Dr. Selvapriya Saravanan, Obstetrician, Gynecologist Infertility & fetal medicine Specialist. She gave a wonderful motivational talk about Mind, Man and Mask. The winners won trophies and certificates. Overall Championship trophy was distributed by Dr. Selvapriya Saravanan, Obstetrician, Gynecologist Infertility & fetal medicine Specialist. Overall the fest ended up on an enthusiastic thanking note it was enjoyable and a learning experience for all of us. We cannot end this summary without mentioning the commendable effort and meticulous planning of Prof. Sahila Devi, The Fine Arts Convener, The Head of Computer Science Department.

## YUDDHAME 2018 INTRA COLLEGE SPORTS MEET

Yuddhame 2018, an Intra College Sports Meet. RCET celebrated Sports Day in a grand manner at the college premises on 02.02.2018. Playing sports is a favourite activity for many people around the world. It provides us with enjoyment and also freshens up our mind.

The event commenced at 10.00 am and continued till 6 pm. This was followed by Inaugural Speech by Principal. The event started by hoisting the flag by the chief guest Mr. A. Britto Joy, International Technical Official Athletics Level 1. The Chairman lit the College Olympic Torch and handed it over to the champion of the college. The champions took the Olympic Oath. Then the Chief Guest declared the Sports Meet Open. The Chief Guest took the Salute from the cadets and then



the oath ceremony was held. The Chief Guest in his address cherished the students for their performance in March past and appreciated the students for punctuality and their interest in sports activities. He gave a motivational talk to the students with the flurry of real life illustrations and the anecdotes of the freedom fighters. He advised the students to never give up and always have high self-esteem. He further said, "Inner beauty of the heart is reflected in the outward appearances".



He quoted incidents that took place in the life of Mr. Thomas Alwa Edison and conveyed the message of "Simple living, high thinking". He concluded his speech with the saying "Winner never quits, quitter never wins".

Thereafter, events of the day started and all the students actively participated in various events with full sportsman spirit. In the afternoon, few events for the staff of RCET also were conducted. The valedictory function





# SOCIAL RESPONSIBILITY

## LET STUDENTS REBORN AS RESPONSIBLE CITIZEN

### BLOOD DONATION CAMP

The NSS unit of Rohini College of Engineering and Technology organised a blood donation camp in collaboration with Rotaract Club on February 23<sup>rd</sup>, 2018. The camp began at 10.00 a.m. with a short inaugural function where in Dr. S. Caroline Geetha, Blood Bank Medical Officer, Kanyakumari Government Medical College Hospital, Asaripallam and Rtn.S.Kamaraj, President, Rotary Club of Nagercoil, Rtn.S.Senthil Kumar, Managing Trustee, Sreeram Cancer Trust, Nagercoil, Rtn. Chidambaran Pillai, Secretary, Rotary Club of Nagercoil was given a floral welcome.



Dr. S. Caroline Geetha expressed her gratitude to the NSS unit of our college for its continuous endeavour in this regard. She also stressed on the growing need of blood in the state and commended the young volunteers for their noble act. The Camp was inaugurated where 300 volunteers

came forward to donate blood during the camp which included teaching & non-teaching staff, students donors. At the end, 160 units of Blood was collected. The blood donors were given energy drink after donating the blood in order to re-energize themselves. The blood donors were provided with a blood donation certificate card by Rotary Club of Nagercoil. The camp concluded at around 2.30 p.m.

This was the second camp conducted by the NSS unit for this academic year. The first being conducted on 8<sup>th</sup> August 2017 where in 78 volunteers donated blood.

The blood donation camp was coordinated by Dr. N. Senthil Vel Murugan, Associate Professor / Department of Mathematics, Mr. Nagarajan, Assistant Professor / Dept. of ECE, Mr. Loganathan, Assistant Professor / Dept of Mechanical Engineering.

### A SEMINAR ON YOUNGSTER'S CONTRIBUTION TO THE SOCIETY TODAY

Each age group in society has its own role and this is important in many different ways. Youth as a description of a sector of society has many definitions depending on the perspective being used. For the purposes of this discussion youth will be considered to be the stage of life involving transition into adulthood: approximately age 18 to 25. Young people are often considered to represent the future as they bring new ideas and energy to add to the pool of knowledge that currently exists. They can bring enthusiasm and vitality which can lead to new discoveries and developments that can benefit society or even the world at large. Considering this in mind Rotaract Club of Rohini organized a seminar on



Guest Speaker **Mr. John R.D Santhosham, B.A, B.L, District Judge, Mahila court Chairman, Permanent Lok Adalat, Nagercoil** addressing the gathering.

"Youngster's Contribution in the Society Today". The event started with the presence of Dignities of Rohini and honourable Chief Guest Mr. John R.D Santhosham, B.A, B.L, District Judge, Mahila court Chairman, Permanent Lok Adalat, Nagercoil. The seminar was started with Tamil Thai Vazhthu and lighting lamp. Mr. Naveen prabhakar, student of final year EEE gave the Welcome Address. Next to that respected Principal gave the Presidential Address. He stated that **"Young people are the one having key to engender change"** and he added Youth are the hope of tomorrow. They are one of the most energetic segments of the nation and thus there are high hopes from them. After Principal Speech our honourable Chief Guest Mr. John R.D Santhosham began his speech by highlighting the current scenario of Society. He also stated that there are several factors that push the younger generation to commit crime such as Lack of Education, Unemployment, Power Play, General Dissatisfaction towards life and Growing Competition. With the advancement in technology that has led to the advent of various gadgets, the lifestyle and overall attitude towards life has changed, although the youth has the power to make a nation. Finally he concluded with proper guiding of young minds we can make a responsible youth. If the youth of a country are educated and willing to go the extra mile to effect positive change, miracles can happen. It was very much useful to the students and the staff. Ms. Rama lakshmi, department of ECE proposed the vote of thanks. The programme was ended with National Anthem. The seminar was well organized by convenor Dr. N. Senthil Vel Murugan, The Head of Rotaract club, RCET.

### SEMINAR ON GOODS AND SERVICE TAX

Conducted by Rotaract Club Of Rohini College Of Engineering And Technology

Rotaract Club of Rohini College of Engineering and Technology conducted a seminar on 'GOODS AND SERVICE TAX' Inside the Tranquil and Ebullient Environment. The Seminar was conducted in The Opulent Hall on 14/07/2017 in order to remove the lack of clarity on anti- profiteering rule Goods and Service Tax (GST) from July 1 onwards. The purpose of this awareness programme is to provide and update the students about "GST Act".



Seminar was presided over by Mr. M. Baskaran, Rtd. Deputy Commissioner, Commercial Tax Department, Dr.N.Neela Vishnu, Managing Director, Principal. The Guest Speaker and the Managing Director undoubtedly gave the presentation under three phases, the Introduction or Overview of GST, advantages of GST, the emphasis of GST towards economic development. He also said "The introduction of Goods and Services Tax (GST) would be a very significant step in the field of indirect tax reforms in India. By amalgamating a large number of Central and State taxes into a single tax, it would mitigate cascading or double taxation in a major way and pave the way for a common national market."

He concluded his presentation saying "GST would Transform India from Political Union to Economic Union". At the end of the presentation, the students and faculty were invited to freely ask their doubts and express any practical difficulties faced or envisaged. The doubts expressed and questions posed were ably answered by the officers present.

### WOMEN SAFETY AND THEIR EMPOWERMENT

In order to really bring women empowerment in the Indian society, it needs to understand and eliminate the main cause of the ill practices against women where Rotaract Club of Rohini plays a vital role to change the old mind set against women among students because they are the future of India by organising a One day Seminar in "Women Safety and their Empowerment through Digital



And Financial Literacy" on 13-09-2017 at Opulent Hall. The Seminar was started with a Prayer song and after that welcome address was given by Mr. Jimson Cardoz of Third Year EEE, Our Principal addressed the gathering. Next to that, The respected chief guest Ms. Deepak Ramola, Founder of Project FUEL, who collects life lessons from people all over the world and turns them into interactive and

performance activities, to pass on the learnings and Ms. Sristi Bakshi, Founder of CrossBow Miles who is a real change maker whose purpose and actions are ruled by the philosophy of Zen started the sessions about their experiences they have got from each person's life teaches them. At FUEL & CROSSBOW MILES, life lessons are continuously collected, documented, thought about deeply and then turned into performance activities. Both organizations seek to build a community of young adults who live, learn and share in order to make meaningful psycho-social and emotional contribution to their lives, and the society at large. In their keynote address they said they will attempt to break rigid gender moulds and address a wide range of issues, including dowry, rape, hygiene and education. And also stated that most women they have met do not know what an FIR was. They kept blamed about the government but make no effort to change the state of affairs. **"Empowering women is to make them independent in all aspects from mind, thought, rights, decisions, etc by leaving all the social and family limitations"**. It is to bring equality in the society for both male and female in all areas. Women empowerment is very necessary to make the bright future of the family, society and country. Women need fresh and more capable environment so that they can take their own right decisions in every area whether for themselves, family, society or country. They concluded with in order to make the country fully developed country, women empowerment is an essential tool to get the goal of development. Finally Ms. Jeni Susanna, third year student of CSE delivered Vote of Thanks.



## NATIONAL VOTER'S DAY CELEBRATION IN RCET

The National Voter's Day was celebrated in RCET Campus, with full zeal and enthusiasm. Rotract Club of Rohini has taken this initiativeness to celebrate National Voter's day in the College as per the directions of Election Commission of India (ECI).

Respected Principal Dr. R. Rajesh highlighted the aim of celebrating the voters' day and its historical importance. He also impressed upon the students to take active part in carrying the message of real

democracy to every nook and corner of the district. The voter's pledge was read out which was recited by large number

of students and faculty members. Apart from this the NSS Volunteers and NCC cadets of the college took part in

the rally organized by District Election Officer. He also appreciated the participation of staff for raising

awareness about the voting process as well as the importance of election procedure

Dr. N. Senthil Vel Murugan, Associate Professor, Dept of Mathematics & Coordinator delivered a

detailed talk on electoral participation, and educated the students about the role played by them

in the transformation of political setup. He also spoke on the various eligibility criteria of voters.

Speaking on the occasion, Prof. Loganathan, Assistant Professor said that it is the duty of every

citizen to cast his or her vote, and that election was the hallmark of a democratic society. In order

to maximize the electoral enrolment of college students, a committee has also been constituted

under the convenership of Dr. N. Senthil Vel Murugan. The programme started with introductory

speech by Dr. N. Senthil Vel Murugan students from all semesters participated and came to know at

length about the importance of voter's day, Indian democracy and the need of young voters to

participate in the electoral process. Heads of Departments also spoke on this occasion. The

programme concluded stressing upon young voters to enrol themselves in the electoral rolls and

exercise their voting rights.



## ROAD SAFETY AWARENESS PROGRAM

Rohini realize that the youth must be taught Road Safety. There are many accidents occurring nowadays and also a few on the road towards Kanyakumari. Rotaract Club of Rohini organized a two Days "Road Safety Awareness Programme". The Programme was hosted by Dr.N.Shreenath, IPS, Superintendent of Police, Kanyakumari and Mr. Selvam, Inspector of Police on 11-01-2018 & 12-01-2018 respectively. He addressed the rules and regulations to be followed when driving a vehicle. He highlighted the importance of wearing helmet and the need of Insurance policy. The children in the school are being taught about Road safety along with the health education classes. Following topics were covered throughout this programme such as Various Traffic Signals, Traffic Rules, Road Traffic Legislations, Motor Vehicles Act 1988, Offences and penalties, Using Helmets while driving two wheelers and fuel consumption.



The rally was taken out as part of this programme, which commenced on January 11 in Kanyakumari District, and January 12 in Anjugramam, with this year's theme being 'Safety is not just a slogan; it's a way of life. More than 200 students and 30 faculties under Dr. Senthil Vel Murugan, Head of Rotaract Club reached out to the public and campaigned on road safety. The rally was flagged off from Kanyakumari and Anjugramam. The campaigners carried placards highlighting the importance of road safety and fatal risks caused by vehicles. The road safety unit students also emphasized the vehicle drivers to follow traffic signals, speed regulations, avoiding drunk and drive and overloading. The rally proceeded through the thoroughfares of the town and culminated at the starting point where a valedictory function was held.

## ENTREPRENEURSHIP AWARENESS CAMP

To create awareness among faculty and Engineering students about various facets of entrepreneurship as an alternative career option as also to highlight the merits of pursuing such an option, Entrepreneurship Awareness Camp, known as EAC is conducted by the Rotaract Club of Rohini with the aim objective of planting the seed of entrepreneurship in young minds. To start EAC with the motto "Be Your Own BOSS", consider this as the fastest step for budding entrepreneurs. The camp is held on March 17, 2018 at Opulent Hall, RCET. The event was commenced by Er. S. Rathinam, Center for Environment and Development. The respected Principal described in detail about the program. Mr. Shawlvn student of third year addressed the gathering.

The chief guest shared his experiences and encouraged the students to do hard work and to learn from their mistakes to become a good entrepreneur. Covering basic topics such as role play, group

discussion, mock interview, business plan presentations etc. His ice breaking sessions make the participants aware about Entrepreneurship policies, scope, resources, government funding and make them efficient in business communication, soft skill development, make them confident and bring out the entrepreneurs within them. He quoted his trials, tribulations and initial failure in the field. "Every difficulty is a new opportunity, this approach of mine that has made me shine as a businessman", he said while talking about his plethora of entrepreneurship ventures. He then addressed the various queries put forth by the students and cleared all their doubts. The event has evidenced huge and active participation from the students. The event was ended with a thanking note from Ms. Divya from third year CSE.

## EYE SCREENING CAMP

National Service Scheme cell of Rohini College of Engineering & Technology organized Eye Screening Camp on March 2<sup>nd</sup> 2018. The presence of the Revered Personalities filled the function with grace. The programme started with Tamil Thai Vazhthu and Rotary Prayer, Ms. Visalatshi,



pre-final year student of Mechanical Engineering welcomed the gathering. The Principal gave the Presidential Address. Respected Principal Dr. R. Rajesh addressed that "The primary objective of the camp and to detect vision problems such as refractive errors and squint eyes, and to take proper care of the eye sight of the students". After that the dignified members from Bejan Singh Eye Hospital, motivated the students with

his enlightening words. They stated that "The Right to Sight—Refractive errors were a priority within the global initiative for the elimination of avoidable blindness. Most of the children having uncorrected refractive errors in rural area have poor access to the eye hospitals. Also, the children usually do not complain of their poor vision upfront. Due to lack of awareness amongst the parents and school teachers only a handful of cases are detected at an early stage where appropriate treatment was helpful. The affordability of the spectacles was an issue among school going children where it is required the most".

The Doctors from Bejan singh Eye Hospital addressed the gathering. They said that when the vision problems were detected at the early stage, it could be easily corrected. They also mentioned that under the "Eye care for million children" many children, students are was offered counselling to them regarding cataract surgery, eye glasses and medicines.

Many students and faculties from our college participated in Eye Screening Camp and got suggestion from eye specialist. Ms. Anjali student of third year, Department of Civil Engineering proposed Vote of thanks. Rohini National Service Scheme cell members arranged the programme in successful manner.

## WORLD CANCER DAY - AWARENESS PROGRAM

World Cancer Day is marked on February 4 to raise awareness of cancer and to encourage its prevention, detection, and treatment. World Cancer Day was founded by the Union for International Cancer Control (UICC) to support the goals of the World Cancer Declaration, written in 2008. The primary goal of the World Cancer Day is to significantly reduce illness and death caused by cancer by 2020. For the same World cancer day - awareness program was conducted on 4<sup>th</sup> February, 2016 in our institute.



On 06-02-2018 Rotaract Club of Rohini conducted a one day Seminar by Mr. Senthil Kumar, Director, Sree Ram Cancer Trust, Nagercoil was held at Opulent Hall. The Event was coordinated by Dr. Senthil Vel Murugan, The Head, Rotaract Club of Rohini. Various students had participated in the seminar.

The event started in presence of Dignitaries and Mr. David Bright, final year Mechanical welcomed the gathering. The Principal gave the presidential address by stating that "All the efforts done by the WHO, United Nations, governmental and non-governmental health organizations towards making the strategy to fight against cancer as well as distributing the real message". The Chief guest started his speech by the causes and treatments including its precautionary measures by uniting all the people on global basis. He also gave some new strategies as well as implement some new programs which help to aware more people about this disease. In his keynote address he also stated that the people suffering from the cancer were hated by the normal people in the society and behaved like an untouched person. There were various other social myths related to the cancer that normal people thought that they would got cancer if they would touch or live with the person having cancer. He made an Inspirational Speech to remove such type of the social myths related to the cancer. Finally he concluded with a tag line "We can. I can.", World Cancer Day 2018 will explore how everyone – as a collective or as individuals – can do their part to reduce the global burden of cancer. Ms. Santhiya student of final EEE delivered thanking note.



## LEO CLUB INAUGURATION

Leo clubs encourage youths to develop leadership qualities by participating in social service activities. National Service Scheme cell of Rohini College of Engineering & Technology initiate a Leo Club on 02-03-2018 at Opulent Hall. The event inaugurated with the Revered management and Honorable Chief Guest “LION. M. A. Sundara Rajan District Gevron 344 – B4 Lion Club International”. Mr. Anandhu from Department of Computer Science delivered the Welcome Address. Our esteemed Principal Dr. R. Rajesh addressed the gathering and said that “Traditional community - based Lions clubs continue to be our largest source of new club development. This club option offers flexibility to reach new groups of people and serve a variety of communities. To bring a community together, give them the opportunity to make a difference and enable them to see great things happen by chartering a new Lions club”.



After that Chief Guest LION. M. A. Sundara Rajan started the speech by “Leo Clubs were a youth organization and the word ‘Leo’ stands for Leadership, Experience, Opportunity.” He also added that the members from Leo Club conducted various projects in the fields of health care, elders, children, differently abled, literacy and education, and self-development. Their main role is to conduct projects with another Leo club, sponsoring Lions club, or with an outside organization. Leo clubs were sponsored by Lions clubs and comprise an official program of Lions Clubs International. The Lions Club as a whole, focuses on addressing humanitarian needs, improving eye care, supporting youth and providing disaster relief. LEO Club was the largest youth club of voluntary character in the world, present in 140 countries with over 160,000 members. He concluded that “Where there’s a need, there’s a Lion.”

Leo Club members are addressed as “Leos”. Leos also offer financial, psychological and moral support to cancer patients and their families. The little differences we make is what keeps our life going”. After his Speech he inducted LEO club members by distributing badges to the President, Officers and members. The newly inducted president Rohini Leo Club gave a speech on the activities of the club. The programme ended with Vote of thanks by Mr. Arshad, final year student of EEE.

## INTERNATIONAL DAY FOR DISASTER RISK REDUCTION



Rohini is also a part of service organisation which inaugurated International Day for Disaster Risk Reduction and Youth Red Cross Society on 10/10/2017 at opulent hall. The Red Cross Society is a worldwide, well known, universally accepted, admired and internationally identified humanitarian service organization.

The International Day for Disaster Reduction is a day to celebrate how

people and communities are reducing their risk to disasters and increasing the awareness of the importance of disaster risk reduction. Also, this is a day to urge all citizens and governments to be part in efforts to establish communities that will make more disaster - resilient nations.

The event started with the presence of dignitaries and in presence of chief guest Mr. Sajjansingh R. Chavan I.A.S., our District Collector, Mr. A.R. Ragul Nadh I.A.S Adl. Collector, Dr. S. Suresh, Joint Director, TNSRLM and Vice President IRCS, Mrs. R. Janaki R.D.O Nagercoil & honourable Chairman Ms. Abitha Shameena, student of second year ECE delivered the welcome address. The Principal addressed the gathering. The 2017 theme is “Mission Zero affected People by 2030”. It seeks to raise global awareness about effective actions, policies and practices taken to reduce disaster risk in order to save the livelihood of the people.

He also stated that “Youth represent a substantial part of the membership of Red Cross for its humanitarian commitment. Young volunteers can make a significant contribution to meeting the needs of the most vulnerable people within their local communities through Red Cross youth programme. Red cross is the biggest, independent non-religious, non-political, non-sectarian and voluntary relief organization treating people equally all over the world”.

He handover the session to the Chief Guest, a vibrant personality Mr. Sajjansingh R. Chavan I.A.S., and District Collector & President of Indian Red Cross Society. He started his presentation by “Creating an awareness on the care of their own health and that of others. He also continued that the understanding and acceptance of civic responsibilities and acting accordingly with humanitarian concern, to fulfill the same. He promoted the best practices at the international, regional and national level across all sectors, to reduce disaster risk and disaster losses”.

Seminar was conducted on Climate Change Adaption & Disaster Risk Reduction 2017 in Session I by Mr. Y. Davidson, Project Officer (CBDRM, DRDA, K.K.Dist) and Sendai Framework & Climate Change adaption by Mr. A. Suresh Kumar, National Society Council Member in session II. Several other events like Paper presentation, Drawing competition, Elocution, Essay writing were conducted for the school students Mr. Jebin, final year CSE delivered vote of thanks. The event ended with National Anthem. Dr. N. Senthil Vel Murugan, Head of Youth Red Cross coordinated the function.

## INTERNATIONAL WOMEN’S DAY CELEBRATED IN RCET

*Celebrating the Elegance of Women hood*

The Women Empowerment Committee of Rohini College of Engineering and Technology celebrated “International Women’s day 2018” in a grand manner on 8<sup>th</sup> March at the Opulent Hall. The programme commenced with the Tamilthai vazhthu. The Welcome address was given by R. Priyadharshini, II year CSE. The Annual Report was read by Dr. E. Sree Devi, Chairperson.



The guests Ms. Masha Nazeem, Young Scientist, Ms. Josephine Ginigo, M.Sc. Nursing were honoured by respected Principal. Women’s achievements were glorified and commemorated by our Chief Guest Ms. Masha Nazeem, Young Scientist. She explained with examples of how women were successful and how lucky women

were even with globalization, but she also pointed out to certain problems which women are facing



in society, like women getting molested, the falling sex ratios, school dropouts, child prostitution, unwanted dowry related death, and especially atrocity towards women. Our Guest of Honour talked about the triumph of women and their need to develop in every area. She urged the students to look within themselves and draw inspiration.

As a part of Women’s empowerment, the young girl achievers of RCET were

interviewed and recognized by Podhigai Channel. Dr. R. Rajesh, Principal felicitated the gathering. An interactive session with the dignitaries and audience was very nice. Prizes were distributed to the deserving girl students to motivate and revere their achievements. The programme was winded up by the vote of thanks given by the Women Cell Student Coordinator of ECE.

## ROHINI'S MASSIVE RESCUE OPERATION OAKHI CYCLONE

The deep depression over the Comorin area has intensified into a cyclone. The cyclone intensified into a cyclonic storm causing heavy rainfall in the southern parts of Tamil Nadu and Kerala. Torrential overnight rain, accompanied by squally winds, lashed this district, uprooting scores of trees and affecting on the particular day. The administration of Kanyakumari district has asked



people not to venture out, even as educational institutions remained closed.

With concern about possible contamination, the management of RCET organized a disaster relief camp in Kanyakumari. The waters marooned large parts of the district for several days and rescue efforts were hampered by the lack of electricity and mobile connectivity, but Rohini created multiple rescue camps across Kanyakumari. The students and faculties arranged purified drink-

ing water and food for people all around the affected villages. The volunteers made new friends, formed teams and stayed on their feet. They formed teams to do real-time surveys of the affected areas and they distributed food, picked up trashes.

Going to college isn’t all about academics. Rather, the college experience helps shape a student’s perspective about the community strengthens the sense of social responsibility, and this disaster enabled them to become well-educated social beings.



## AWARDS

### ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY: WHERE THE CRITICAL THINKING UNFOLDS

From early days, the term scientific breakthrough is considered as the success of ‘Scientists’, without giving any importance to engineers who have practically implemented the novel ideas. There are lot many who have been left behind without getting a place in the list of recognition. Even though, these engineers possessed a lot of potential, their contributions in bits and pieces were restrained. As the constructivist pedagogy started gaining prominence, we have many unleashing ideas in every nook and corner Shri. K. Neela Marthandan, Chairman, Rohini College of Engineering and Technology (RCET) who has adopted this strategy long back is now feeling proud at advancing the knowledge base of the students. Chairman of RCET Shri. K. Neela Marthandan has been recognised for his valuable contributions to the engineering education.

## EXCELLENT INSTITUTION IN PROFESSIONAL DEVELOPMENT AWARD 2017-2018

RCET take its pride to receive **Excellent Institution in Professional Development Award** for the academic year 2017-2018 in recognition of the best Overall Performance in the field of Technical Education. The awards were presented at a ceremony hosted by ISRPM, Kuala Lumpur, Malaysia.

Considering the history of RCET since its establishment, the college has filtered itself from the count of numerous engineering institutes through its emphasis on transformational learning. Though, it looks like flattering, that is not the case as the college possesses stories in this regard. Recently, the final year Mechanical and Electrical students jointly worked on a world level project in collaboration with the National Institute Project. The project was in collaboration with the National Institute of Wind Energy (NIWE) and supported by the KST wind engineering India Ltd, under the authority of the ministry of Renewable energy, Govt of India. Shri. K. Neela Marthandan, Chairman, Rohini College of Engineering & Technology proudly claims, “Through this project, the students have generated electricity from hybrid solar wind power plant for meeting the power needs of the college. 27 foreign scientists have visited our college to witness our student's effort.”



## BEST ENGINEERING COLLEGE OF THE YEAR 2017

Reviewing the performance of the students and the contribution towards the societal Development. Higher Education Review committee ,Bangalore has awarded the best Engineering



College of the year 2017 to Rohini for its infrastructure, Quality of Education. A word of appreciation is always the right reward for the students and RCET has always been the best in doing this. The first and the foremost thing done in this regard is the provision of relevant platforms for the students to work on. TARCET (Technical Association of Rohini College of Engineering and Technology) helps students to

attend national and international level seminars, conferences and to conduct various researches under the guidance of renowned companies and Scientists. “The role of the faculties at most places are restricted to only teaching, but in Rohini, the role is expanded to carry out research activities in the college and provide an opportunity for the students to involve in such research activities,” opines Shri. K. Neela Marthandan, Chairman. This research-informed, practice-oriented program explores the students to current issues related to curriculum and pedagogy with a special focus on recent development in educational technologies.

Moving on after completing seven years of journey in this engineering education field, now the institute has set a goal to educate students from all over India and from other countries to transform the society and the nation as a whole.

Beyond providing a sound education, we wish to provide our students a holistic learning experience for life. With relentless efforts, the college aspires to orchestrate the student's potential for the enrichment and progress of society by equipping them with technical expertise and soft skills.

## HR CONCLAVE

RCET organised the first HR Conclave on October 21 at The Opulent Hall. The event brought together eminent professionals from the industry on a common stage where they shared their experiences and knowledge in the form of presentation to our final year students. In 90's the role of Human Resource Manager was more of a ‘Personnel Manager’ – probably the one that hires a candidate and releases the salary on-time. But in the last decade, the HR function has changed in this business world as ‘Future of workplace’. Talent and jobs which were a platform that seeks to engage industry leaders, corporate head hunters, employees and young graduates to discuss the latest in the job market. The Motive of this HR Conclave is to provide the students with the opportunity to interact with the business leaders, but also gave them a much-needed insight into Campus recruitment.



The morning session initiated with an auspicious Lamp Lighting ceremony along with the dignitaries. The Welcome address gave by Prof. George Mary Aarthi, The Head, Training & Placement. The Vice Principal & Association Head at RCET, Dr. E. Sri Devi said that the conclave is more about identifying problems in the field of HR and asking probing questions. She added that myths surrounding HR need to be busted. She added that the perception of HR is moving from being a purely qualitative domain to an analytical one. She ended her Presidential Address by adding many insights about Rohini Campus.

The event was inaugurated by each HR one by one, Firstly, Mr. Vedhanayakam.V, Manager Paytm, discussed about “Why Paytm as Payment solution?” He further discussed about How India's largest Digital Wallet works?. He emphasized on importance of Digital Wallet utilisation in this modern world.

Secondly Mr. Pandi Alaghu Raja.M, HR Manager, Jouve India gave an Icebreaking session about “How to create an employable talent?”. He added that with job market in deep doldrums, industry has understood that our education system needs to be revamped. His Interactive sessions made students to think about what are the skills needed to be improved to grow their career.

Thirdly, Mr. Praveen Raja. C.T, Executive Recruitment, Cognizant Technologies (CTS) gave an interesting talk about “Inside CTS – What CTS Expects?”. In his keynote address he highlighted how rapid changes in technology are influencing people and their workplaces. He mentioned how the field of HR has substantially evolved with time and has embraced technology for day-to-day activities of recruiting, skill development of employees and performance reviews. He further talked about the rising role of analytics in HR and how an overwhelming amount of effort goes into collation of data.

Mr. Mohammed Gafoor.H, Senior Developer, Paypal started the afternoon session he discussed about the “Evolution of Programming Languages” and How a non-IT student can learn a programming language easily?. He shared many online forums and a video presentation to remove the fear of students about programming languages.

Finally, Ms. Bhavani.N, Associate Recruitment manager, Tech Mahindra discussed about “Interview tips to our students”. She added that the challenges on the ground today are of interpretation skills, and of a student. She also discussed about the latest insights and approaches and draw out unique and “out of the box” answers to get recruited by top companies.

The event ended with a vote of thanks proposed by Prof. Vasudevan.S, AP - Training & Placement.



## TAMILNADU GOVERNMENT CONDUCTED SPECIAL MEGA JOB FAIR

### Private Sector Jobs

**M**ega Job Fair conducted by the Tamil Nadu Women's development corporation and Tamil Nadu District Development Board in Rohini College of Engineering & Technology on January 20, 2018. The job fair was conducted for all fresh & experienced candidates in Kanyakumari district. More than 40 main and big private companies participated in this mega job fair, planned to recruit 1500 personnel, according to Deputy Collector. He said that Arts & Science, BE degree holders were eligible to take part. He also said several industries had come in order to create more job opportunities. All types of companies had taken part in the job fairs held so far. The recruitments was categorised and made separately for candidates based on their qualification at the entry free fair. Sufficient stalls were made available for industries free of cost based on its requirements. Appointment orders had been given to selected candidates.



He concluded that employers and Job seekers can benefit from attending this job fair by gaining access to a large number of candidates in a one-stop environment. Job Seekers can meet the industry network and one can also learn about career paths that many others doesn't know.

The event was successfully organised with supportive role of students and staff of Rohini. DMMU-TNSRLM (District Mission Management Unit-Tamilnadu state Rural Livelihoods Mission), Kanyakumari District has recognised this imitativeness taken by the Management of Rohini and appreciated for creating a socially responsible community through education. Special buses were operated to the college from different parts of the district.

## A TWO DAY RESIDENTIAL RYLA PROGRAMME

**R**otary is a global network of 1.2 million neighbors, friends, leaders, and problem-solvers who see a world where people unite and take action to create lasting change across the globe and in ourselves. Rohini takes place a crucial role not only in education but also in improving societal activities by encouraging students to be more effective servant leaders. Rotary Club Of Nagercoil Town, organised Two Days Residential RYLA Programme On 7<sup>th</sup> March And 8<sup>th</sup> March of 2018 at "The Grand Arena" auditorium of Rohini College of Engineering & Technology.



The First Day started with the august presence of the Chairman Shri. K. Neela Marthandan, the Vice Chairman Dr. N. Mohan Neela Judith, the Managing Director Dr. N. Neela Vishnu, the Principal Dr. R. Rajesh and the Chief Guest Rtn. G. Selva Shunmugam, Chairman, RYLA. The event started with Lamp lighting ceremony where the Dignitaries lit the lamp and started the program with an auspicious prayer. Ms. Shilpa Suresh of third year Computer Science department delivered the welcome address. Next to that respected principal Dr. R. Rajesh inaugurated his

speech by stating all the important features of RYLA and "How RYLA helps to serve mankind?". After that the respected chief guest Rtn. G. Selva Shunmugam, Chairman, RYLA started his speech with the changes in the era leads to the changes in the requirements and so there will be mismatch and this creates new challenges. we need to harness the benefits at the same time should provide nourishments to the society. So if we don't take care of the deficiency the Indian growth story will die down.

The First session "The Ice Break : Motto of RYLA" started by Rtn. S. SenthilKumar, Director, Youth Service. His ice breaking session was an effective way of starting a training session or team-building event. As interactive and often fun sessions run before the main event, it helped students get to know each other and made the students to know the purpose of the event. Next to that Rtn. Dr. M. Sukumaran, Ph.D delivered a motivational talk about the importance of communication.

The afternoon session of first day conducted by Mr. Dinesh., B.E, MBA. He initiated his speech by presenting about Conflict Management and the alternate ways to solve a problem. After that a Group Discussion was conducted among the RYLarians, They gave some of the hot topics to discuss. Furthermore Dr. Chinnadurai Abdullah gave the keynote address about reaching success. Followed by Rtn. Dr. B. Nagalingam Pillai., Ph.D explained about Decision Making and "How to make quality decisions in one's life?". At last the talent show was conducted where all the participants took part in that. The second day started with a pleasant Yoga where Yoga was a perfect solution for college students because how they showed up on the mats was an indication of how they showed up in life. Rtn. Dr. Surendran., PhD conducted a seminar about Social Media – How to use it? He gave a talk about "How to use Social Media safely?". The next session was conducted by Rtn. Dr. Siva Kumar about "Youth and Hygiene". He said that good personal hygiene was one of the most effective ways to protect ourselves and others from many illnesses. His session was interactive and many students posed questions about personal hygiene.

In the valedictory function, the keynote address gave by Rtn. PDG. J. Navamani, The event ended by a thanking note gave by Ms. Abitha Shameena III Year ECE Student. This two days residential Ryla Programme gave the students a different perspective on the information's besides the information on the text book.

## THE GRAND ARENA

The new auditorium added another feather to the history of RCET

**W**ith a charmness, the eminent personalities of Rohini cut a ceremonial ribbon at our new auditorium " THE GRAND ARENA" .

Rohini College of Engineering & Technology has added yet another feather in its history, THE GRAND ARENA, auditorium was inaugurated in the presence of honorable Chairman Shri K.Neela Marthandan, esteemed Vice Chairman Dr. N. Mohan Neela Judith, venerable Managing Director Dr. N. Neela Vishnu, respected Principal Dr. R. Rajesh, admirable Chief Guest Shri. S. Pandiyan Director IPRC, ISRO Propulsion Complex, Mahendragiri and Heads of various departments on March 7, 2018 at a glittering function held on the Rohini campus where students and faculties of Rohini as spectators cheered, clapped and whistled. In extreme joy students flew confetti.

The event started with auspicious Lamp lighting ceremony. Dr. R. Rajesh, the Principal, RCET welcomed the gathering and said that it was the dream of our venerable Managing Director Dr. N. Neela Vishnu to extend services to students and it would become a platform for the students to exhibit their latent talents. He also added about the features of "The Grand Arena". The spacious auditorium which have the 600 seats, performance space with a multi disciplinary foyer. Acoustics were carefully considered due to the shape of the auditorium. The LED wall and lacquered plywood reflectors help to spread sound evenly, while also serving as design features within the otherwise red-hued auditorium. The soft, velvet touch of the wood cladding is a product of charring which provides a natural surface treatment. Clever use of sound system was designed by Pro Acoustics engineers and performed right out of the box. 3D Modelling of the auditorium was designed a system to cater to the requirement is another essential part of the design process. The architects designed an innovative foyer in the auditorium to provide a further informal space. He concluded with The Grand Arena is transforming the site into a new creative complex.



The venerable Managing Director Dr. N. Neela Vishnu, said that the auditorium would serve its purpose of hosting important University meetings, student festivals and host extra-curricular activities. Expressing hope that the student community would avail all of the facilities set up on the campus, he assured that he would continue to support the college programmes benefiting students. Sound Proofing, Acoustic Wall, High Quality line array speakers and subwoofers from BOSS, digital audio mixer and light mixer are the speciality of "The Grand Arena" to enjoy the output of each performance. Sound observant Materials and Acoustic treatment makes the room sound better during the event, by absorbing excessive ambience.

After that the respected Chief Guest Shri. S. Pandiyan Director IPRC, ISRO Propulsion Complex, Mahendragiri initiated the speech by posing a question" What are all the aftermath operations after engineering?" He explained the career opportunities of an engineer graduate. He motivated our students by giving details about doing higher studies, about attending civil services examinations and about being an Entrepreneur. He concluded his speech by saying that there were a lot of career opportunities available in ISRO. A student should always stay connected with their seniors and friends because they can provide you a breakthrough to pursue your dream job.

The keynote address was given by Dr. P.Ramesh, Deputy General Manager, IPRC, ISRO, Mahendragiri. Vote of thanks was delivered by Jeni Susanna, third year Department of CSE. The event ended with National Anthem.



# ACHIEVEMENTS OF ROHINI 2017-18

"Optimism is the faith that leads to achievement. Nothing can be done without hope and confidence."

Rohini is full of optimized people where faculties and students achieved a lot which are mentioned below.

**Dr. S. Indran, Associate Professor & Head, Department of Mechanical Engineering** participated in a convention on "Innovative Technological Scientific Research Strategies in Science, Engineering and Medical Technology" organized by Innovative Scientific Research Professional, Malaysia held at The Universiti Teknologi MARA, Malaysia. He received "**Innovative Technological Research & Dedicated Teaching Professional**" award for his leveraging professional activities. High level delegates from our college visited the Universiti Teknologi MARA, Malaysia to discuss further ways to strengthen the relations between Rohini and them.

**Prof.G.K. Jabesh Samuel, Associate Professor, EEE & Placement officer** was honored as "**The Best Male Faculty Award**" from SIAA - South Indian ASDF Awards from the presenters of ASDF (Association of Scientists Developers and Faculties).

## UNIVERSITY RANKS

For the academic year 2016-17, our students achieved 12 University Ranks in Anna University UG & PG examinations. RCET produced 50+ university rank holders since inception.

## INTER-COLLEGE TECHNICAL COMPETITIONS

Rohini Students have proved that they are equal to our faculties, some of the technical achievements of our students are:

- The Department of Mechanical Engineering students participated in Paper presentation, CAD modelling, Project Expo, Paper plane, Poster presentation in National level technical symposiums conducted by different engineering colleges distinctively VV College of Engineering, PSN Engineering College, Rajas Engineering College, SCAD college of Engineering & Technology and secured 24 first prizes, 13 second prizes, 4 third prizes, 41 prizes on the whole.
- Final year Mechanical student Sivalingam presented his project in District level Project expo. It was selected as a best project and was awarded by the District Collector Mr. Sajjansingh R. Chavan, Kanyakumari.
- The Department of Computer Science & Engineering students participated in technical competitions like Paper presentation, technical quiz, software debugging, Project Expo, Web designing conducted by various engineering colleges namely Noorul Isalm University, DMI college of Engineering, CSI Institute of Technology, St.Xavier's Catholic College of Engineering, Dr.Sivanthi Adithanar College of Engineering, Arunachala College of Engineering, VV College of Engineering and won 22 first prizes, 19 second prizes and 5 third prizes, overall 46 prizes.
- Civil Engineering students showed up their talents in many National level technical Symposiums conducted by colleges like James Engineering College, KNSK College of Engineering, VV College of Engineering and attained 11 first prizes, 6 second prizes and 7 third prizes in various events like Paper presentation, CAD modeling, Puzzle Hunt, Model making, Code cracking, Brick bond, Parachute Gliding, overall 24 prizes.
- The Department of Civil Engineering Students won 1st prize for Model making in an event conducted by Revenue Administration, Disaster management & Disaster Mitigation department, Kanyakumari.

- The Department of Electronics & Communication Engineering students got 6 first prizes, 11 second prizes and 3 third prizes in various competitions like Paper presentation, Project Expo, Quiz in colleges namely Noorul Isalm University, DMI College of Engineering, Arunachala College of Engineering & Technology and they attained 20 prizes on the whole.

- Electrical & Electronics Engineering students won 15 first prizes, 12 second prizes, 4 third prizes in various technical events like Paper presentation, Circuit debugging, Device cracking, Project presentation conducted by Ponjesley College of Engineering, Noorul Islam University, Cape Institute of Technology, Arunachala College of Engineering.

## SPORTS

- Our college women Chess team secured 3<sup>rd</sup> position in Zonal Chess Tournament conducted by DMI College of Engineering.
- Our college Athletic team won 30 medals in Zonal Athletic meet conducted by Loyola Institute of Technology & Science.
- Our college cricket team secured 4<sup>th</sup> position in Zonal Cricket Tournament conducted by Rajas Engineering College.
- Our college Athletic team secured 4<sup>th</sup> & 5<sup>th</sup> position in Inter Zonal level meet conducted by Adhyanan College of Engineering, Hosur.
- Our college Kabadi team won 2<sup>nd</sup> prize in district level Kabadi Tournament and received Einstein Trophy.
- Our college men Throw ball team secured 4<sup>th</sup> position in Inter Collegiate Throw ball Tournament conducted by Einstein College of Engineering.

## FINE ARTS AND CULTURAL COMPETITIONS

- Winner in ROTAYUTSAV 2017 organized by Rotary Club Nagercoil and won 18 prizes in different events.
- Won 61 prizes for various events and also won Overall Trophy in CALIDA FESTA'17 an Inter Collegiate Cultural Fest organised by St. Xavier's Catholic College of Engineering on 19<sup>th</sup> & 20<sup>th</sup> December 2017.
- Won Championship in "District Level Non Classical Dance competition" conducted by VIRAMAMUNIVAR SPEAKER'S FORUM on 8<sup>th</sup> November 2017.
- Won 75 prizes and Overall Championship Ever Rolling trophy in NEMIC FEST 2018 on 23<sup>rd</sup> & 24<sup>th</sup> of February 2018 organized by Nesamony Memorial Christian College, Marthandam.
- Won Overall Championship (Cash Award) and 25 prizes in Aadukalam 2018 conducted by Annai Therasa Christian Labour Association of Kurusadi. Competed with Professional Dance Team.
- Participated and Won 65 prizes in various cultural events conducted by Kumari kalai kazhagam, Nagercoil.
- Won 8 prizes in Dance competition at ECHO FEST 2K17 organized by Noorul Islam College of Arts and Science on 14<sup>th</sup> & 15<sup>th</sup> of March 2017.
- Won 40 Prizes in various competitions organized by Rotary Club & Tupperware.
- Won 68 prizes in various events at MARFESTA'17 conducted by Mar Ephraem College of Engineering & Technology, Marthandam held on 13<sup>th</sup> February 2017.



**ROHINI**  
COLLEGE OF ENGINEERING & TECHNOLOGY  
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Kanyakumari Dist, Tamilnadu, E-mail : admissions@rcet.org.in, Website : www.rcet.org.in

## COURSES OFFERED

COUNSELLING  
CODE  
**4670**

### UG COURSES

- BE - CIVIL ENGINEERING
- BE - COMPUTER SCIENCE AND ENGINEERING
- BE - ELECTRONICS AND COMMUNICATION ENGINEERING
- BE - ELECTRICAL AND ELECTRONICS ENGINEERING
- BE - MECHANICAL ENGINEERING

### PG COURSES

- ME - COMMUNICATION SYSTEMS
- ME - COMPUTER SCIENCE AND ENGINEERING
- ME - THERMAL ENGINEERING
- ME - CONSTRUCTION ENGINEERING AND MANAGEMENT

### ADMISSION HELPLINE :

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