

**ROHINI COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

**ELECTROVISION  
2k19**

**Electronics and Communication  
Engineering  
Newsletter**

**Academic  
Year 2018-  
19(ODD)**

## **From the Desk of the Chairman**



Dear All, “Learning gives creativity, creativity leads to thinking, thinking provides knowledge, knowledge makes you great” - Dr.A.P.J.Abdul Kalam.

These words by - Dr.A.P.J.Abdul Kalam perfectly describe our aim at Rohini College of Engineering and Technology. Beyond providing a sound education, we wish to provide our students a holistic learning experience for life. Our aim is to teach students to LEARN, not just STUDY. Hence, we strive to travel beyond the boundaries of mere books. We have realized that the future is abstract and unknown but the youth in our hands are real and can be molded. Engineers play the most vital and important role in nation building. They create new inventions using best engineered technologies to make human life more comfortable, secure and productive.

In modern times, nations which have rich engineering and experienced technological domains are flourishing economically and are providing better lives to their people. We have excellent potential to grow in diversified areas and excel in Engineering and technological fields. We need enormous number of engineers and managers to write next story of success. We have identified the needs of modern engineering, technology for modern age students, with a vision and mission accompanying transparency, accountability and accessibility which keeps us abreast. I can proudly say that Rohini College of Engineering and Technology is the most modern and sophisticated multidisciplinary institution, imparting quality education and providing a wide and varied arena for the staff and students to showcase their academic and extracurricular talents. With relentless efforts, the college aspires to orchestrate the students' potential for the enrichment and progress of society by equipping them with technical expertise and soft skills. Students are encouraged to build their character through well disciplined training along with sports, physical and spiritual development activities. Students are also given ample opportunities to broaden their horizons academically. Teachers play a key role in the education and also in student's life. Our well qualified and experienced Teaching faculties guide the students to hone their talents to excel in this competitive world. I am proud to say that once our students step in; they step out with self-confidence and knowledge to face all future endeavors with full conviction. Fly in the plane of Ambition, Land in the Airport of Success, The luck is yours the wish is mine. May your future always shine, Good Luck.

Cordially,

**Shri.K.NEELA MARTHANDAN**

Chairman, Rohini Groups

## **Managing Director's Message**

Dear All, Endorsing creativity and stirring innovation are two of the vital elements of a successful education and Newsletter is the perfect amalgamation of both. It harnesses the nifty energies of the academic community and refines the essence of their inspired imagination in the most brilliant way possible. Hence, I am delighted to know that Newsletter of ECE Department "Electro Vision" is ready for publication. I take this opportunity to congratulate the editorial board for bringing out this Newsletter, which in itself is an achievement considering the effort and time required. May all the students soar high in unexplored skies and bring glory to the world and their profession with the wings of education!

Best Wishes,  
**Dr.N.Neela Vishnu**, D.Lit.,

Managing Director,  
RCE  
T.

## **Chief Financial Officer's Message**

Dear All, It is a matter of great pride and satisfaction to bring out the News Letter "Electro Vision" released from the Department of ECE. I am confident that this issue of Department News Letter will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities. A News Letter is like a mirror which reflects the clear picture of all sorts of activities undertaken by the Department and develops writing skills among students in particular and teaching faculty in general. I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in stipulated time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort.

With Best Wishes  
**Dr.V.M.BLESSY GEO**, Ph.D.,

Chief Financial Officer

## **Principal's Message**

Dear All, It gives me great pleasure, as a Principal of this college, to say a few words about Rohini College of Engineering and Technology. Any Institution, if it aims at reaching greater heights, needs to have clearly spelt Vision and Mission. Our college has set its Mission as to impart Quality Education to all the people, thereby developing the nation as a whole. Our long term vision being to achieve greater heights in the field of education by providing an opportunity to each and every individual to choose the right path, realize the value of education and achieve their goals by adding values through quality education. We give more emphasis to the overall molding of every student through quality education and In-plant training, right from the initial stage of education. The pleasing and peaceful environment in which the college is located, favors the students in focusing more on their studies. Well equipped laboratories and work shop with most modern and sophisticated instruments/machineries are provided to impart state-of-the-art education to the students. Ample opportunities are being provided to the students in Personality Development and other extracurricular activities. Well qualified and experienced teaching faculty is provided to impart quality education to the students. The placement cell has a vital role in placing the students in the reputed companies. With all these facilities in place and with the right attitude of the Management, The students who continue education in this esteemed Institution would be greatly benefited in future. Good Luck

Best Wishes,

**Dr.R.RAJESH, M.E.,  
Ph.D.**

Principal , RCET.

## **From the ECE HOD's Desk**

Dear all, At the outset, I would like to thank the Management and Principal for their continuous support and Guidance, Faculties and students for doing exemplary support and contributions in the department! It gives me immense pleasure to note that the editorial board brings out another edition of newsletter "Electro Vision". It is great to find students as winners and participants in co-curricular and extracurricular activities which certainly prove that our students are adequately equipped and possess necessary skill-sets to bring such laurels to the Institution and Department. The Department aims academic progression, skill development, inculcating research value, bringing out hidden talent of students as well as faculty members through activities like Guest lectures, Faculty Development Programmes, Research workshops, Technical Symposium, Mini-Project Expo etc., This newsletter is a medium to present the glimpse of such activities and achievements of the department in each semester to all the stakeholders. I am sure that by reading these pages you will get a bird's eye view about activities of ECE Department.

Best Wishes,

**Dr.S.MOHANALAKSHMI, M.E., Ph.D.**

**HOD / ECE, RCET.**

## **From the Editor's Desk**

It gives us great pleasure to bring you the first issue of "Electro Vision", the ECE department Newsletter of Rohini College of Engineering and Technology, Kanyakumari. The name and fame of an institute depends on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students. This magazine is a platform to exhibit the literary skills and innovative ideas of teachers and students "Electro Vision" presents the skills and innovative thinking of students and contributions of teachers. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We profusely thank the management for giving support and encouragement and a free hand in this endeavor. Last but not the least we are thankful to all the authors who have sent their articles. We truly hope that the pages that follow will make an interesting read.

Best Wishes,

Mr.P.BENESH SELVA NESAN, M.E., & Mr.C.K.MORARJI,  
M.E.,(Ph.D) AP/ECE, RCET.

## **DEPARTMENT VISION**

To promote Ethical and Innovative Electronics and communication engineers through excellence in teaching, training and research so as to contribute to the advancement of the rural society and mankind.

## **DEPARTMENT MISSION**

To impart high quality technical education and exposure to recent trends in the industry, to ensure that the students are moulded into competent Electronics and communication engineers.

To inculcate research capabilities and exemplary professional conduct to lead and to use technology in agriculture, industry and national security for the progress of our country.

## **PROGRAMME EDUCATIONAL OBJECTIVES (PEO)**

PEO 1: Graduates shall be able to lead a successful career by applying the Scientific and Engineering fundamentals to formulate and solve the real life problems.

PEO 2: Graduates shall be able to practice the ethics of their profession, consistent with a sense of social responsibility and aptitude for innovations as they work individually and in multi-disciplinary teams.

PEO 3: Graduates shall be receptive to recent technologies so as to excel in industry and accomplish professional competence through lifelong learning.

## **SEMINAR**

- A Seminar on “*Fundamentals of Nuclear Technology and Radiation Protection*” by Smt.Lakshmi Gopidas, Senior Technical Audit Engineer, KKNPP, NPCIL on 01.09.2018.

## **GUEST LECTURE**

- A Guest Lecture on “*Fourier Analysis of Discrete Signals*” by Mr.L.Arivazhagn, Junior Research Fellow, Karunya Institute Of Technology And Science on 08.08.2018.

## **ACHIEVEMENTS IN CURRICULAR ACTIVITIES**

- C Magi Shahulin of Third Year ECE got First Prize for Project Expo in RECTECH – FEST 18 held at Rajas Engineering College on 05.10.2018.
- S.Dayana Rose of Third Year ECE got Third Prize in paper presentation VV TECHNOZER 2K18 at VV College of Engineering.
- Ashisha H Jiji Sam & Abisha Darshini of Third Year ECE got Second Prize for Project Competition in ASPIRE-2

## INDUSTRIAL VISIT

An **Industrial visit to “Kaynes Technology”** Plot No:58, Sector 6, IMT, Manaser, Gurgaon – 122050, Haryana, Delhi, India was organized by the Electronics and Communication Engineering Department of Rohini College of Engineering & Technology on Thursday, 16<sup>th</sup> August 2018.



An **Industrial visit to “TECHNO Electronics & Instruments.”**, Coimbotore, Tamilnaduwas organized by the Electronics and Communication engineering Department of Rohini College of Engineering & Technology, Palkulamon Friday, 17th September2018. Thirty-SevenElectronics & Communication Engineering students and four faculties visited to TECHNO Electronics & Instruments to interact with the Electronics Industry to understand current market scenarios, latest mostdemandingtechnologies & criteria for selection etc.



## **VALUE ADDED COURSES**

Value added course on “Stability Analysis of Linear System using MATLAB” was delivered by Dr.Ahilan, Team Head & Trainer, Mindworkz Technologies, Nagercoil on 13/08/2018 for ECE students. He explores the role and applications of MATLAB in engineering field.

Value added course on “Embedded C programming” was delivered by Mr.S.Abishek Venkadesh, Chief Innovation Officer, Masha Innovation Centre, Nagercoil on 07/09/2018 for ECE students. He explained the difference between C and Embedded C, How to write embedded C program and explained the growth of Embedded C in Technical area.



Value added course –Photo shot