

Parivartan

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY



You will find that everything at NIET is single mindedly focused on addressing student needs. We are clear that it is our responsibility to help our students to realize their goals in an increasingly competitive world. We have consistently produced excellent results and NIET alumni can be found at premier organizations in India and overseas. From academic excellence to leadership qualities, a nurturing environment to cutting - edge infrastructure, NIET offers everything one needs to succeed professionally.

Dr. Om Prakash Agarwal
Managing Director
Noida Institute of Engineering & Technology



NATIONAL CONFERENCE [RIECE-2K14]

Department of Electronics & Communication organized a two day National Conference on 10-11 October 2014 to highlight the trends and technologies and to promote research in the field of electronics.

The primary goal of this conference is to offer an excellent opportunity and platform for dynamic interaction amongst professionals academicians and researchers together to share their knowledge and ideas for development and advancement for technologies. About 60 papers were presented by the various participants.



Vision of the Department

To prepare the students for global competence, with core knowledge in Electronics and Communication Engineering having focus on research to meet the needs of industry and society.

sustainable and inclusive technology relevant to the industry and social needs.

Empower students to become skilled and ethical entrepreneurs.

To promote and adapt professional development in a perpetual demanding environment and nurture the best minds for the future.

Mission

To become dynamic and vigorous knowledge hub with an exposure to state of art technologies for connecting world.

To train students to take up innovative projects in group with sustainable and inclusive technology relevant to the industry and social needs.

To provide in depth knowledge of Electronics and Communication Engineering ensuring the effective teaching learning process.

To train students to take up research projects in group employing

Program Educational Objectives (PEOs)

PEO-1: To have excellent scientific and engineering breath as to comprehend, analyse, design and solve real life problems using state-of-the-art techniques.

PEO-2: To lead a successful career in industries or pursue higher studies or entrepreneurial endeavours.

PEO-3: To effectively bridge the gap between industry and academics for effective communication skill, professional attitude and a desire to learn.



Event organized by ECE Department

S. No.	Name of Event	Organizer
1	Cognitive Radio	ECE Department
2	TRI State Logic	ECE Department
3	Research & Innovations in Electronics & Communication Engineering (RIECE-2K14)	ECE Department
4	Measurement of Signal	ECE Department
5	TCS Seminar	CMC Department
6	Innovations at AMDOCS	CMC Department
7	Monolithic & Hybrid Circuit	ECE Department

Research Papers Published by ECE Department

1. Devendra Pratap, Satyendra Sharma, "Propagation Characteristics and Modelling for Network Design and Planning" International Journal of Electronics, Electrical and Computational System, Vol. 2, Issue 1, January 2014.
2. Jitendra Kumar Saroj, Kanika Jinadal, Satyendra Sharma, "Transimpedance Amplifier Based on Inductive Peaking Techniques for Broadband Data Transmission" International Journal of Electronics, Electrical and Computational System, Vol. 3, Issue 3, May 2014.
3. Sushil Kumar Pachauri, Suvendra Sahoo "Design and implementation of High Performance Dynamic Memory Controller" Advance in Electronic and Electric Engineering Volume 4, Number 6, pp 617-622, 2014.
4. S. K. Gehlot, Ravendra Singh, "Trajectory estimation of a moving charged particle – An Application of Least Square Estimation (LSE) Approach" International conference on Medical Imaging, m- health and Emerging Communication Systems, 2014.
5. O.P Mahela, A.R. Gautam, S. Singh, R. N. Mahia, "A double input SMV controlled DC/DC buck-boost converter for solar PV/wind energy sources" IEEE conference on Recent Advances and Innovations in Engineering 2014.



Program Specific Outcomes (PSOs)

The Program Specific Outcomes of UG in Electronics & communication Engineering are:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science and electronics & communication engineering to work effectively in the industry based on same or related area.
2. **Design/ development of solutions:** Use their skills to work in modern electronics & communication engineering tools, software and equipments to design solutions for complex problems in the related field that meet the specified needs of the society.
3. **Individual and team work:** Function effectively as an individual, and as a member or leader of a team by qualifying through examinations like GATE, IES, PSUs, TOIFEL, GMAT and GRE etc..

MESSAGE FROM EDITORIAL BOARD

Welcome to another issue of **Parivartan**. Here we are again with you through this newsletter. Some changes have been suggested by senior faculty members regarding the publication. We are working on the suggestions and shall try our best to incorporate these in coming issues. A team of students is being prepared to assist the editorial board. Some new columns shall be added to pep up the outlook of this newsletter. We welcome your valuable comments and suggestions which may be mailed to parivartan.ece@niet.co.in.

Happy Reading

Editor

Mr. Jitendra Kumar Saroj



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