VISION

To create professionally competent and ethically behavioural Electronics and Communication Engineers capable of working across the globe.

MISSION

- To impart quality education relevant to Electronics and Communication Engineering.
- To ensure the learning of latest technologies for career advancements in the relevant field.
- To instigate professional ethics, leadership qualities and societal service.

PEO'S

- To provide students with fundamentals and in-depth knowledge in electronics and communication engineering including theoretical knowledge, practical skills and problem-solving abilities.
- To train students in multidisciplinary areas to analyse, design and innovate solutions to real world problems leading to socio economic development.
- To inculcate individual, team work and leadership qualities by upholding professional and ethical values.

PSO'S

- Graduates will have strong foundation in communication, embedded systems, VLSI and electronic circuits.
- Graduates will be able to apply the knowledge of electronics and communication engineering to identify, formulate and solve engineering and societal problems with the aid of modern tools and techniques.
- Graduates will be able to work effectively in challenging environments by upholding ethical values in their profession leading them to become potential entrepreneurs.

E L E C T R O N I C A

PROGRAM OUTCOMES

1. **Engineering Knowledge:**
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis:**
Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. **Design/development of solutions:**
Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:**
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern Tool Usage:**
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The Engineer and Society:**
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and Sustainability:**
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of need for sustainable development.

8. **Ethics:**
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and Team Work:**
Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication:**
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. **Project Management and Finance:**
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. **Life-long learning:**
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

Rajeev Institute of Technology, Hassan

Department of Electronics & Communication Engineering



JUL - DEC 2021

ELECTRONICA

VOLUME 2 ISSUE 2

HOD'S MESSAGE

I am happy to announce that the Department of Electronics and Communication Engineering is releasing the Newsletter "ELECTRONICA" for the Second half of the Year 2021. It details about the various activities and achievements of our faculty members and students. I wish that, this will help in generating innovative and research ideas among faculties and students.

The department provides a good learning environment with a team of qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of team work. My best wishes to the editorial board and team for their excellent work of bringing six months of achievements at one place. I congratulate all the faculty members and students for their achievements.

~Dr. Aravind B.N



EDITORIAL TEAM

CHIEF EDITOR: DR. ARAVIND B N

ISSUE EDITOR: MR. ROHITH P

STUDENT EDITORS:
MR.ADEEB NAIYER & MS.THARA M C

STUDENT CORNER

- Ms. Revathi R P, Ms. Anusha P, Ms. Thara M C has participated in State Level Paper Poster Presentation competition held on 30th Sep 2021 at Sapthagiri College of Engineering, Bengaluru, in association with IETE Bengaluru.
- Mr. Shivaranjan H P, Mr. Abhay K P has participated in VTU Inter Collegiate Central Karnataka Zone Men Volleyball Tournament2021-22 held on 31st Nov to 1st Dec 2021 at SIT, TUMKUR.
- Mr. Vikas R has participated in Workshops on State level entrepreneurial event held on Dec 3rd and 4th of 2021 at FIGMA workshop at Malnad college of engineering, Hassan.
- Ms. Khushi A M has participated in Workshops on State level entrepreneurial event held on Dec 3rd and 4th of 2021 at FIGMA workshop at Malnad college of engineering, Hassan .
- Ms. Nischitha I S has participated in Workshops on State level entrepreneurial event held on Dec 3rd and 4th of 2021 at FIGMA workshop at Malnad college of engineering, Hassan .
- Ms. Vishmitha D has participated in Workshops on State level entrepreneurial event held on Dec 3rd and 4th of 2021 at FIGMA workshop at Malnad college of engineering, Hassan .

FDP

- Mrs. Lokeshwari H S has attended “Advances in Microwave Antenna Design using Full-wave Electromagnetic Solver”, organized by School of Electronics & Communication Engineering, Reva university, Bengaluru from 23/08/2021 to 27/08/2021.
- Mr. Ravi L.S has attended “AICTE Training and Learning (ATAL) Academy Online Elementary FDP” on "Faculty Development Programme on “VLSI - IP DESIGN Approach to SRAM compiler design” at GM Institute of Technology from 16/08/2021 to 20/08/2021.
- Mr. Ravi L.S has attended “AICTE Training and Learning (ATAL) Academy Online Elementary FDP” on "Developing Effective Research Skills" at PES College of Engineering from 09/08/2021 to 13/08/2021.
- Dr. Ravikiran H. K has attended Online Five days FDP on" FPGA based deep learning applications in signal Processing" organized by AICTE Training And Leaming (ATAL) Academy..
- Mrs.Ambika K has attended 5 days Online elementary ATAL FDP on "Design Thinking" at NITTTR, Chandigarh from 31/12/2021 to 04/01/2022.
- Dr. Aravind B N, Mr. Vishwanth B R and Mrs. Lokeshwari H S has attended Five Days Virtual FDP on “An Overview of Teaching Techniques in Basic Electronics and Communication Engineering” Organized by VTU-HRDC, VTU PG Center Muddenahalli, Chikkaballapur from 13/12/2021 to 17/12/2021.
- Mrs.Ambika K has attended AICTE-VTU joint online training programme on "An overview of teaching techniques in innovation and design thinking" by VTU-HRDC from 06/12/2021 to 10/12/2021.
- Dr. Ravikiran H. K, Mr. Ravi L.S and Mrs.Yogeshwary B H have attended 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 22/11/2021 to 26/11/2021.
- Mrs.Ambika K, Mrs. Manasa A and Mrs. Lokeshwari H S have attended 5-days Online FDP on "Inculcating universal human values in technical education" by AICTE from 25/10/2021 to 29/10/2021.

DEPARTMENT ACTIVITIES

Technical Talk on “System on Chip & its Applications”

The Department of E&CE, in association with IETE has conducted a Technical Talk on “System on Chip & its Applications” for 7th Semester Students on 11th December 2021.

The resource person was Mr. Kiran Kumar V H, Lead Engineer, Dalency Technologies, Bangalore.



