

VISION

To create professionally competent and ethically behavioral 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.

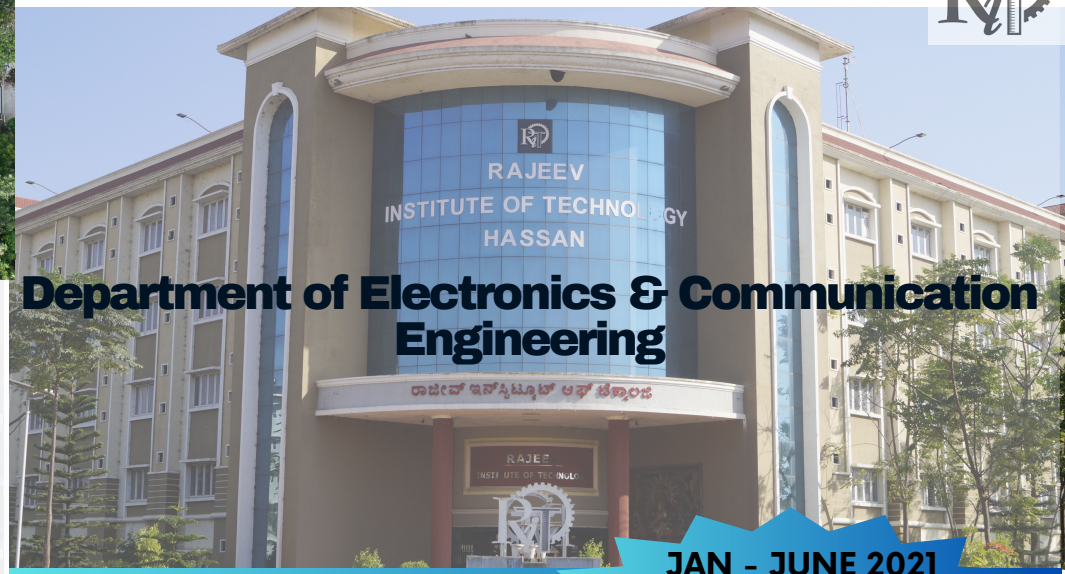
PSO

- 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.

PEO

- 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.

Rajeev Institute of Technology, Hassan



Department of Electronics & Communication Engineering

JAN - JUNE 2021

ELECTRONICA

VOLUME 2 ISSUE 1

HOD MESSAGE



I am happy to announce that the Department of Electronics and Communication Engineering is releasing the Newsletter "ELECTRONICA" for the First 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

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EDITORIAL TEAM

CHIEF EDITOR: DR. ARAVIND B N

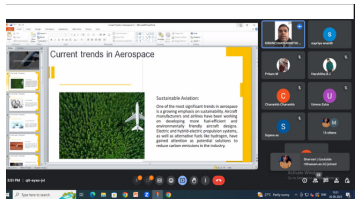
ISSUE EDITOR: MRS. AMBIKA K

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

DEPARTMENT ACTIVITIES

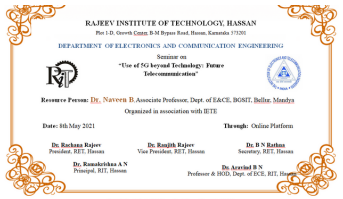
Webinar on Current Trends in Aerospace" by Mr. Kiran Chakravarthi S, Design Engineer, SB Digital Automation, Munchun , Germany on 15th May 2021.





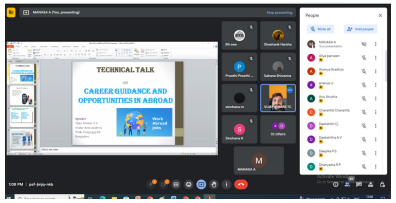
Seminar on "Use of 5G beyond Technology : Future Telecommunication" on 8th May 2021. The resource person was Dr. Naveen B, Associate Professor, Dept. of E&CE, BGSIT, Bellur, Mandya.





Technical talk on "Career Guidance & opportunities in Abroad" T on 9th January 2021. The resource person was Mr. Kiran Chakravarthi S, Design Engineer, SB Digital Automation, Munchun, Germany.





FACULTY ACHIEVMENTS

- Dr. Aravind B N, Dr. Yashwanth N and Mrs. Yogeshwary B H has been granted with patent on **"Decentralized Data Storage and Processing Method for Automatic Wireless Network Authentication in an IoT System"** by the **Indian Patent office.**
- Dr. Ravikiran H K has been granted with patent on "**An efficient ROI bases Hybrid Progressive Medical Image Transformation & Reconstruction"** by the **Indian Patent office.**
- Dr. Aravind B N has published Book "**Arduino for Beginners : Basics to IoT" BUUKS, Publisher**

FDP

- Mr. Ravi L.S ,and Mrs. Lokeshwari H. S have attended **"Five Days National Level Workshop on Academic & Research Writing"**, Organized by **Department of ECE, ATME College of Engineering, Mysuru from 25.03.2021 to 31.03.2021**
- Dr. Ravikiran H. K has attended Five days FDP on **"Electrical & Computer Engineering"** organized by **AICTE Training And Leaming (ATAL) Academy at Mahendra Engineering College Autonomous from 22.2.2021 to 26.2.2021**

STUDENT CORNER

KSCST FUNDED PROJECT



Programmable low cost UV-C and sanitizing room disinfecting ROBO for controlling pandemic infection using IoT at VTU, Belagavi Presented by Lavanya, Nagaveni, Priyanka and Ramya under the guidance of Mr.Vishwanath B R.

PROJECT EXHIBITION

Ms.Kavyashree S G participated in National Level IEEE Project Exhibition held at GSSSIETW, Mysuru

FACULTY PUBLICATIONS

- Dr. Yashwanth N and Mrs. Yogeshwary B H " Sensor Node Localization and Visualization in Underwater Sensor Networks " International Journal of Advanced Scientific Innovation (IJASI), Vol 1, Issue 2, pp 1-6, 2021
- Dr. Ravikiran H K "Pyramid based Progressive Transmission System with Hybrid Compression Scheme for Medical Images " Springer Nature Computer Science, Vol2, Issue 3, pp 155, 2021

NPTEL COURSE

Mr. Rohith P successfully completed the course **" Introduction to Research".**



DR.YASHWANTH N

PH.D AWARDEES



DR. RAVIKIRAN H K