



RAJARAJESHWARI

COLLEGE OF ENGINEERING

An Autonomous Institution
Under to VTU, Approved by AICTE, UGC & GoK

No. 14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru - 560074



ELECTRONICS AND COMMUNICATION ENGINEERING

NEWS LETTER

SAMPARKAVANI



Sri. A. C. Shanmugam
B.A. LL.B, FIMSA, FRCPS (Glasgow, U.K)
Chairman, RRG



Sri. A.C.S.Arunkumar
B.Tech (Hons), LMISTE,MIET., (UK),LMCSI,
President, RRG



Dr. R Balakrishna
Principal, R.R.C.E



Dr. R. Sunitha
Head of Department
ECE, R.R.C.E

VISION

Actualize high Quality Electronics and Communication Engineering professionals, showcasing Innovation, Research and Performance in the Frontier areas and capable of working in local, global, environment contributing for Societal development through sustainable Technology keeping high moral values.

PROGRAM EDUCATIONAL OBJECTIVES

- PE01:Able to take up career in the Electronics & Communication industries to contribute by innovative design and products to help society.
- PE02:Capable to work in team with good communication skills, leadership qualities and ethics.
- PE03: Professional empowering by taking up higher education or updating Knowledge in line with the changing trends of technology.

MISSION

- M1: To give strong fundamental and contemporary knowledge to Students with excellent curriculum and faculty.
- M2: Promoting Innovation and Research by creating ambiance by collaborating Industry & academia also involving them to do societal beneficial projects.
- M3: Imparting ethics to students through relevant practices.

PROGRAM SPECIFIC OUTCOMES (PSO)

- PSO1: Demonstrate the competency to analyze the real time problems related to Electronics and Communication industry and able to design and develop products with the cutting edge technology.
- PSO2: Demonstrate leader ship qualities to resolve the complex multidisciplinary engineering, societal challenges in the ethical manner.

EDITORIAL VOICE

We are delighted to share the latest edition of our department newsletter-"**SAMPARKAVANI**", which aims to connect students, faculty, alumni, and industry partners while highlighting our academic community's activities and achievements. This issue showcases significant events and milestones over the past academic period 2025-26 Even Sem, featuring technical workshops, expert talks, research activities, cultural events, and student accomplishments. The dedication of our students and faculty has led to notable recognition and success, fostering a spirit of growth and creativity. Our sincere gratitude goes to everyone who contributed to this newsletter and participated in departmental activities. We hope this edition provides an engaging overview of our achievements and strengthens our academic community's bonds. Enjoy your reading.

Prof. Chaithanya S

DEPARTMENT OVER VIEW

Department of Electronics & Communication Engineering have started in the year 2006-07 with a sanctioned intake of 60 students. The programme is approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Karnataka. In the academic year 2013-14 sanctioned intake is increased to 120 from 60 students and also started M. Tech Programs in “Digital Electronics & Communication Engineering” and “Communication Systems” in the year 2011 and 2014 with intake of 18. Department of Electronics and Communication Engineering has a research center approved by VTU, Belagavi in the year 2016.

The Department offers UG, PG and Ph.D. Programs under VTU. The program is accredited by NBA for the 2015 and 2019. There are a total of 23 faculty members. Many of them having more than 10 years of experience. There are faculty members with good amount of industry experience. The department is geared up to conduct National and International conferences in association with Springer, IETE and ISTE. The Number of workshops, Industrial visits FDPs, Seminars and Conferences conducted in the campus are increasing every year. We are also collaborating with industries such as Karnataka Hybrid Micro Devices, P-Thinks & Win global Tech, Apsis Solutions Pvt Ltd, Bangalore. Faculty and Student projects are proposed for VGST, KSCST and VTU funding. Our students have excelled sports such as Karate, Cricket and Kabaddi and participated in state level and University level. All the activities are held through professional societies like ISTE, IETE and Department club.

ABOUT ECE R&D CENTRE

Department of Electronics and Communication Engineering had the approved Research Centre by VTU, Belagavi in the year 2016. There are Five faculty members approved as supervisors in the department. Total number of students registered in the research centre is Ten and Four are completed the Viva Voce examination. About 08 of our faculty are pursuing Ph. D in our research center and other research centers. Faculty members of ECE are published 145 papers in reputed journals and International Conferences and also published 16 patents. Our faculty got the funding for the project proposals from AICTE, VTU TEQIP, KSCST, VTU and CSIR.

ECE Department has Centre of Excellence in Wireless Sensor Networks and Product Design. Students are encouraged to do innovative and product-based projects related to advance technologies and encouraged to publish papers in the International & National conference and journals. We have adopted integrated teaching-learning practices. Workshops, symposiums & Technical Seminars are organized on regular basis. Our students have received best paper awards in the conferences. Students are counselled according to the industry & academics requirement, encouraged to have hands on exposure.

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ALUMNI TALK ON INTRODUCTION TO AUTOSAR

Resource Person: Mr. Manoj P G, Embedded Software Developer, Bosch Global Software, Bangalore

Date: 11th April 2026

Time: 10:45 AM to 12:30PM

Venue: Dr.Satyendranath Bose seminar Hall, Department of ECE RRCE.

Coordinators: Prof. Chaithanya S, Prof. V Sreepathi

The Department of Electronics and Communication Engineering organized an insightful Alumni Talk on “Introduction to AUTOSAR” on 11th April 2026 by Manoj P G alumina of 2018 batch, currently working as an embedded Software Developer, Bosch Global Software Technologies, Bengaluru, for the second-year ECE students.

The session introduced students to AUTOSAR (Automotive Open System Architecture) and its role in modern automotive software development. Mr. Manoj explained key AUTOSAR components, Embedded C programming, and hardware-software integration through practical examples. He encouraged students to build hands-on projects using Arduino and strengthen their coding skills. The session concluded with an interactive discussion and valuable career guidance in automotive embedded systems.



ALUMNI TALK ON FPGA-BASED VERIFICATION AND VALIDATION IN MODERN VLSI SYSTEMS

Resource Person: Miss Varna V Nadiger, Independent Verification and Validation Engineer.

DRDO, Bangalore

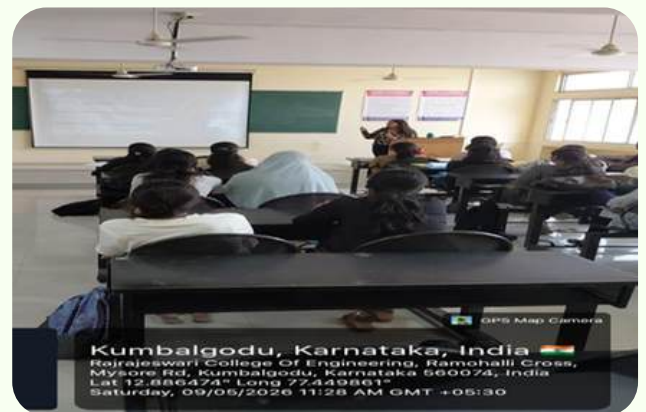
Date: 9th May 2025

Time: 10:45 AM to 12:30PM

Venue: Dr.Satyendranath Bose seminar Hall, Department of ECE RRCE.

Coordinators: Dr.Vani S Badiger

Miss Varna V. Nadiger, an alumna of the 2018 batch and an Independent Verification and Validation Engineer at DRDO, Bengaluru, delivered an expert talk on "FPGA-Based Verification and Validation in Modern VLSI Systems" for second-year ECE students. The session covered FPGA architecture, VLSI verification, hardware validation, and industry practices, providing students with practical insights into FPGA-based design, testing, and prototyping. It enhanced their understanding of real-world VLSI applications and inspired them to explore careers in VLSI and Embedded Systems.



ELCOM-X 2026

NATIONAL LEVEL TECHNICAL SYMPOSIUM

Date: 6th May 2026

Time: 10:30 AM – 12:30 PM

Venue: Dr. Sathyendranath Bose Seminar Hall, ECE Department, RRCE

Chief Guest: Mr. Mr. Sagar Chakraborty

Technical Alliance Manager, Technologies Global Pvt. Ltd., Bengaluru

Coordinators: Dr. Deepika J, Dr. Haritha K S, Prof. Suresh M

Organized By: Department of ECE, Rajarajeswari College of Engineering

ELCOM-X 2K26 Successfully Conducted at RRCE. The Department of Electronics and Communication Engineering, Rajarajeswari College of Engineering (RRCE), successfully organized “ELCOM-X 2K26” – a National Level Technical Symposium on 6th May 2026 at Dr. Sathyendranath Bose Seminar Hall, RRCE Campus.

The event was inaugurated by Mr. Sagar Chakraborty, Technical Alliance Manager, Technologies Global Pvt. Ltd., Bengaluru. The symposium witnessed enthusiastic participation from students and faculty members, featuring various technical events, innovative ideas, and interactive sessions.

Congratulations to all the prize winners and participants for making the event a grand success.



INDUSTRIAL VISIT

Date: 07.04.2026

Venue: BHEL–Electronics Division (EDN), Bengaluru, Karnataka

Coordinator: Dr.A.M. Prasanna Kumar Professor, ECE Department

Participants: Students of VI Semester A & B section

Students of the Department of Electronics and Communication Engineering visited BHEL–Electronics Division (EDN), Bengaluru On 7th April 2025,, to gain practical exposure to industrial electronics, power electronics, and advanced manufacturing technologies. The visit included demonstrations of testing facilities, IGBT-based traction systems, and control & instrumentation technologies, followed by an interactive Q&A session. The industrial visit enhanced students' technical knowledge and understanding of real-world engineering applications.



INDUSTRIAL VISIT

Date: 13th April 2026

Venue: Industrial Visit to ISRO U R Rao Satellite Centre, Bengaluru

Coordinator: Dr.A.M. Prasanna Kumar Professor, ECE Department

Participants: Students of IV Semester A & B section

Students of the Department of Electronics and Communication Engineering visited ISRO U R Rao satellite Centre, Bengaluru On 13th April 2025, An educational visit to ISRO provided insights into space technology, satellite and rocket systems, space missions, remote sensing, and their real-world applications. It also enhanced our understanding of scientific research, innovation, and career opportunities in the field of space science and engineering.



UNIVERSAL HUMAN VALUES

Date: 16/06/2026

Venue: ECE Dept.

Coordinators: Prof.Dhaneshwari Modi,Prof.Akshatha B G

Participants: Students of IV Semester A & B section



The Department of Electronics and Communication Engineering (ECE) conducted a Universal Human Values (UHV) Poster Presentation activity for IV Semester students. The event encouraged students to creatively present the importance of human values, ethics, and social responsibility while enhancing their communication and presentation skills.

CONGRATULATIONS

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (KSCST) FUNDED PROJECT

Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore (Government of Karnataka) sponsored Final Year Projects at RRCE ECE dept for the Academic Year 2025-2026, under Students Project Proposal-SPP: 49th Series.

BRAIN WAVE CONTROLLED ELECTRIC VEHICLE POWERED BY SOLAR ENERGY



Dr. DEEPIKA J.



Dr. HARITHA K
SIVARAMAN



ANANYA P GOWDA



BHUMIKA M



I VASANTHI



KUSHALIGOWDA KG

IMPLEMENTATION OF A LIGHTWEIGHT CHACHA20 ENCRYPTION -DECRYPTION CORE ON SPARTAN-7 FPGA



DR. SUNITHA R



PREETHU J M



RAKSHA M



ROHITH S



VAISHNAVI H M

AI POWERED TRAFFIC MANAGEMENT SYSTEM USING YOLO



Dr. HARITHA K SIVARAMAN



Dr. DEEPIKA J.



KUSHAL B



ANOOP B PATEL



AMANMAHARATHI



CHANDANA V S

IMPLEMENTATION OF A HYBRID 64-BIT VEDIC MULTIPLIER USING SPARTAN 7



DR. SUNITHA R



DR. RANGAIAH L



DAKSHITH K S



LIKHITH H



AMITH ASHOK K



BHOOMIKA P

CONGRATULATIONS

Proud Achievement – MSME Idea Hackathon 5.0



सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL & MEDIUM ENTERPRISES



DR. SUNITHA R



PREETHU J M



THANISH GOWDA A R



RAKSHA M

The Department of Electronics & Communication Engineering proudly congratulates **Dr. Sunitha R (HoD & Mentor)** and the student team comprising **Ms. Raksha M, Mr. Thanish Gowda A. R., and Ms. Preethu J** on securing an **MSME Idea Hackathon 5.0** grant of **₹14.50 Lakhs** from the Ministry of MSME, Government of India. Their innovative project, "MeshGuard: Secure Mesh-Based Surveillance for Isolated Infrastructures," was selected under the RRCE-MSME Business Incubator, recognizing its potential to address real-world security challenges through advanced and sustainable technological solutions. This prestigious achievement reflects the department's unwavering commitment to fostering innovation, research excellence, and entrepreneurship among students. The grant will support the further development and implementation of the project, enabling the team to transform their innovative idea into a practical solution with significant societal impact. The department extends its heartfelt congratulations to the mentor and the student team and wishes them continued success in their future endeavors.

Congratulations to the mentor and the student team on this remarkable achievement!

STUDENTS ACHIEVEMENTS



Congratulations to Our Students on Winning the Best Paper Award

The Department of ECE, RRCE, proudly congratulates Harsha G N, Balaji T, Kiran N Swamy, Ajay K N, for receiving the Best Paper Award at the Advances in Computing Systems Communication and Networking (ACSCON-2026), organized by ACS College of Engineering, Bengaluru, on 29–30 May 2026. The award-winning paper, titled "Solar Powered Electric vehicle with a Battery Swapping System", was presented under the guidance of Chaithanya S. Congratulations to our students on this remarkable achievement!



Ashwini G, Kavana, D. G. Poornima, Lakshmi, from the Department of Electronics and Communication Engineering, RajaRajeshwari College of Engineering, secured Second Place in the "Ujval Manah" competition during IMPULSE 2026, organized by the Department of Electronics and Communication Engineering, SJB Institute of Technology, in association with IEEE SJBIT Student Branch, held on 26th & 27th March 2026. The department congratulates them on this achievement and wishes her continued success in future endeavors.

congratulations Ashwini G, Kavana, D. G. Poornima from ECE winning consolation prize in state level symposium ACSTRONICS -2K26 Organized by ACS College of Engineering Bangalore

STUDENTS ACHIEVEMENTS

Student Participation in Workshops, Hackathons, Ideathons, and Certification Programs

The Department of Electronics and Communication Engineering proudly acknowledges the active participation of Students in various Workshops, Hackathons, Ideathons, and Certification Programs conducted by reputed institutions during the academic year 2025–26. Their enthusiastic involvement reflects the department's commitment to innovation, technical excellence, and continuous learning.

Workshop

Title	Date	Participants	Organized By
Gen AI for Business Innovation	19–29 March 2026	Srushti B Jagade, G R Niveditha, Lochan S, Harsha M, Sudarshan	IIT Mandi HCl Foundation

Hackathons

Title	Date	Participants	Organized By
Agentic AI	12–13 March 2026	L M Anusha, Harsha M, Dhiraj Sharma MS, Sudarshan, Mithilesh C, Jahnvi K, Ashwini N	—
Astrava – 24-Hour Innovation	6–7 March 2026	Abhishek KS, Dhamini C, Meghana MB, Likitha DU	Dr. Ambedkar Institute of Technology
Gen AI Forge	22–27 February 2026	Kusuma V, Dhamini C, Likitha DU, Vamshi Krishna, Gagan GD, Meghana MB, Apeksha, Abhishek KS, Ganesh SR	SmartBridge & NASSCOM FutureSkills Prime
TATVA'26	25–26 March 2026	Anjali KH, Dharshini S	BNM Institute
ArtPark CodeForge	—	Vikas HS	Indian Institute of Science, Bengaluru

Ideathons

Title	Date	Participants	Organized By
TechSprint	24 Dec 2025 – 31 Jan 2026	Tharun BS	Dr. Ambedkar Institute of Technology
Ujjval Manah by Impulse	26–27 March 2026	D G Poornima, Kavana K, Ananya R	SJBIT
Celestai	23–25 April 2026	Sanath	Dayananda Sagar University
Ecospark	Apr 11, 2026	Topik Mulla	K S Institute of Technology
Luminus	2026	Jeevan S R	RNS Institute of Technology

Certification Programs

Course	Duration	Participants	Organized By
Python for Beginners	9 February – 13 June 2026	Harsha J, Harini R, Tanvi P T	National Institute of Electronics and Information Technology
Battery Management System	16 March – 16 April 2026	Subrahmanya M Bhagwat	Pantech eLearning Pvt. Ltd.
ESD ARM Cortex-M4	1–30 March 2026	Sanath	Pantech.ai & WarriorsWay

STUDENTS ACHIEVEMENTS

NPTEL AND UDEMY COURSES

NPTEL

COURSE	USN	NAME	COURSE	USN	NAME
Leadership and Team Effectiveness	1RR23EC079	NISHA G	Python for Data Science	1RR23EC048	K L BHAVANA
	1RR23EC116	VIJAYA D		1RR23EC022	CHITHRA A
	1RR23EC084	PASALA MEGHANA		1RR23EC117	VIKAS H S
	1RR23EC111	TOPIK MULLA		1RR24EC410	VAMSHI KRISHNA C N
	1RR23EC050	KATAM VEERA RAVALI		1RR23EC032	DIVYA C
	1RR23EC057	KUNDAVARAM POORNITHA		1RR23EC087	PREETHI N
Embedded System Design	1RR23EC097	SANJANA DESAI		1RR23EC087	PREETHI N
	1RR23EC086	POOJA R		1RR23EC032	DIVYA C
	1RR23EC074	MITHILESH C		1RR23EC102	SHRUSTI B JAGADE
Waste to Energy Conversion	1RR23EC054	KAVYASHREE R		1RR23EC035	G R NIVEDITHA
CMOS digital VLSI Design	1RR23EC061	L M ANUSHA		1RR23EC002	ABDUL AZEEM
	1RR23EC065	M M CHANDAN		1RR23EC024	DARSHAN S
	1RR23EC045	JAHNAVI K		1RR23EC018	CHETANA T
Data Base Management System	1RR23EC093	SAJAN S		1RR23EC043	HARSHITHA S
Introduction to Internet of Things	1RR23EC105	SUDARSHAN		1RR23EC080	NITHIN B S
VLSI Physical Design with Timing Analysis	1RR24EC400	AFNAN PASHA			

UDEMY

Introduction to Python for Beginners	1RR23EC082	PARAMESHWAR	VSD-Custom Layout	1RR23EC031	DHIRAJ SHARMA M S
	1RR23EC075	MUKESH M P		1RR23EC084	PASALA MEGHANA
	1RR23EC111	TOPIK MULLA		1RR23EC111	TOPIK MULLA
	1RR23EC084	PASALA MEGHANA	VSD-Physical Design Flow	1RR23EC031	DHIRAJ SHARMA M S
The Complete Python Bootcamp from Zero to Hero in Python	1RR23EC120	VISHWANATH YADAV P S			

STUDENTS ACHIEVEMENTS

SPORTS



The Department proudly participated in the VTU Inter-Collegiate Cricket Tournament held on 23rd, 25th, and 30th April 2026 at RRMCH Cricket Ground. The college was represented by Dhanush K, Bharath Sai N, and Hari Krishna B V, who showcased commendable teamwork, sportsmanship, and competitive spirit throughout the tournament. Their participation brought pride to the institution and reflected the department's encouragement of excellence in both academics and sports.

Students Divya C, Parinitha A, Kavyashree K M, Nikitha R, and Prakruthi S R represented the Department of Electronics and Communication Engineering in the Kabaddi Open Tournament organized by Sapthagiri College. The tournament was held on 24 March 2026 at Sapthagiri NPS University. Their enthusiastic participation showcased teamwork, sportsmanship, and dedication to extracurricular excellence.



VTU State-Level Sports Meet

Hari Prasad Y K participated in the VTU State-Level Sports Meet held from 25/03/2026 to 30/03/2026 at KIT College, Tiptur.

He represented the institution in the 400 m Running and Long Jump events.

His participation reflected enthusiasm, sportsmanship, and dedication towards athletics.



VTU State-Level Baseball Tournament 2026

Kishore Gowda K S participated in the VTU State-Level Baseball Tournament 2026 held on 24/03/2026 at DBIT, Bengaluru.

He represented the institution with dedication and displayed commendable sportsmanship throughout the tournament.



STUDENTS ACHIVEMENTS IN ANUAL SPORTS

Students of our department — participated in the RRCE ANNUAL SPORTS MEET 2025-26 and they secured the runners up position in the KHO-KHO event. Their outstanding teamwork, decision and sportsmanship brought pride and recognition to the department of electronics and communication engineering. Heartiest congratulations to the team on this remarkable achievement.



Student of our department — NIKKHITHA — participated in the RRCE ANNUAL SPORTS MEET 2025-26 and SHE secured the SECOND position in the 100 meters women's tracks. Heartiest congratulations to the Nikhitha on this remarkable achievement.

NIKKHITHA and PRAINITHA A — participated in the RRCE ANNUAL SPORTS MEET 2025-26 and SHE secured the SECOND position in the 200 meters women's tracks. Heartiest congratulations to the Nikhitha and PRAINITHA A on this achievement.

STUDENTS ACHIVEMENTS IN ANNUAL SPORTS



Congratulations to Our ECE Champions!

Heartiest congratulations to all the ECE students for their outstanding performance in the RRCE Annual Sports Meet 2025–26. Your hard work, dedication, and sportsmanship have brought pride to the Department of Electronics and Communication Engineering. We wish you even greater success in the future!

ECE Winners

Chidandagowda – 1st Place, 400 m Men's

Kavyasree K. M. – 2nd Place, 400 m Women's

Kishore – 2nd Place, Discus Throw Men's

Sravya P. – 2nd Place, Discus Throw Women's

Kavyasree K. M. – 2nd Place, Javelin Throw Women's

Shravya – 3rd Place, Javelin Throw Women's

The Department of Electronics and Communication Engineering proudly congratulates its students for their achievements at the RRCE Annual Sports Meet 2025–26. Their dedication, discipline, and determination resulted in excellent performances across track and field events, earning several podium finishes. These accomplishments reflect the spirit of teamwork, perseverance, and excellence, bringing great pride to the ECE department. We congratulate all the winners and wish them continued success in their future sporting and academic endeavors.

STUDENTS ACHIVEMENTS IN KALASOURABHA

KALASOURABHA 2K26 – ECE Department Shines at the Annual Cultural Fest

The Department of Electronics and Communication Engineering (ECE) proudly celebrates the outstanding achievements of its students at KALASOURABHA 2K26, the Annual Cultural Fest. Our students showcased exceptional talent, creativity, teamwork, and enthusiasm across a wide range of cultural and literary events, bringing laurels to the department.

ECE students secured the following prizes:

Vegetable Carving: Rashmitha C – 3rd Prize

Face Painting: ECE Department – 3rd Prize

Quiz: Abhishek & Ganesh – 3rd Prize

Anthakshari: Apeksha & Team – 3rd Prize

Dumb Charades:

1st Prize: Ganesh S R, Abhishek K S , Sharanappa J K , and Gagan G D

2nd Prize: Prakruthi S R (1RR24EC061), Prakruthi R (1RR24EC060), and Rakshitha



STUDENTS ACHIVEMENTS IN KALASOURABHA



Treasure Hunt: Nikitha & Team – 3rd Prize
Bhakasura: Abdul Azeem – 2nd Prize
Tug of War (Boys): ECE Department – 1st Prize
Pencil Sketching: Dhiraj Sharma M S – 3rd Prize
Gaming : Mohan & Team – 1st Prize
Duet Dance: Sowmiya & Team – 2nd Prize
Stand-up Comedy: Kishore Gowda – 2nd Prize
Mimicry: Kishore Gowda – 1st Prize
Photography: Renuka Prasad – 2nd Prize



These remarkable accomplishments reflect the talent, dedication, and team spirit of our students. The ECE Department extends its heartfelt congratulations to all the winners and participants for their outstanding performances and for making the department proud. We also appreciate the support and encouragement provided by the faculty members, whose guidance contributed to these achievements.

Congratulations to all the winners, and best wishes for many more successes in the future!

STUDENTS ACHIVEMENTS IN ANUAL SPORTS



Congratulations to Our ECE 4×100 Relay Teams!

Heartiest congratulations to our ECE Women's 4×100 Relay Team – Parinitha A., Kavyashree K. M., Tanvi, and Nikhitha R. – for securing First Place, and our ECE Men's 4×100 Relay Team – Chidandagowda, Ravi, Prajwal, and Ganesh – for securing Third Place at the RRCE Annual Sports Meet 2025–26.

Your outstanding teamwork, dedication, and determination have brought great pride to the Department of Electronics and Communication Engineering. We congratulate all the winners on this remarkable achievement and wish them continued success in their future sporting endeavors.

CONGRATULATIONS

"Congratulations to the Overall SPORTS Champions!

We proudly celebrate the remarkable talent, enthusiasm, and teamwork displayed by our students in securing the Overall Championship in SPORTS events. This achievement stands as a testament to their dedication, and vibrant spirit."



ECE – Overall Champions | RRCE Annual Sports Meet 2025–26

The Department of Electronics and Communication Engineering (ECE) proudly emerged as the Overall Champions of the RRCE Annual Sports Meet 2025–26, securing the highest points. This remarkable achievement reflects the dedication, determination, teamwork, and sportsmanship of our students. Their exceptional performances across track & field events, team games, and indoor sports showcased the true spirit of ECE. Every participant contributed with passion and perseverance, proving that success is achieved through unity, discipline, and hard work.

Congratulations to all the winners, runners-up, participants, coaches, and faculty members for making ECE the Overall Champions. Your commitment and excellence have brought immense pride and glory to our department. Keep striving, keep inspiring, and continue reaching greater heights!

STUDENTS PUBLICATIONS

The Department of ECE proudly celebrates the research achievements of its students through publications in reputed journals and conferences, reflecting their commitment to academic excellence and innovation.

CONFERENCE PROCEEDINGS

1. Rangaiah, L., Ravikumar, J., Sanju, P., Sudarshan, S., & Sujay, S. (2026, May 4–5). Smart Alzheimer patient assistance system using face recognition and GPS tracking. In Proceedings of the International Conference on Next-Gen Engineering & Technology (ICNEXT-2026). C. Byregowda Institute of Technology, Kolar, India. ISBN: 978-93-5768-920-5.
2. Rangaiah, L., Apoorva, S., Harshitha, V. M., Kavyashree, D. R., & Maithry, S. Rao. (2026, May 29–30). AI-driven chaotic system for secure image encryption and decryption using Simulink. In Proceedings of the International Conference on Advances in Computing Systems, Communication and Networking (ACSCON-2026). ACS College of Engineering, Bengaluru, India.
3. Sunitha, R., Amith Ashok, K., Likhith, H., Bhoomika, P., & Dakshith, K. S. (2025, December 4). Design and implementation of hybrid 64-bit Vedic–Karatsuba multiplier using Verilog on Spartan-7. In Proceedings of the National Conference on Recent Innovations in Engineering (NCERIE-2025).
4. Sunitha, R., Preethu, J. M., Raksha, M., Rohith, S., & Vaishnavi, H. M. (2026, May 4–5). A ChaCha20 implementation on FPGA for secure 5G systems. In Proceedings of the International Conference on Next-Gen Engineering & Technology (ICNEXT-2026). C. Byregowda Institute of Technology, Kolar, India. ISBN: 978-93-5768-920-5.
5. Muruganandham., Jeevitha, Lavanya, K., Bindhu, B. C., & Darshan, D. (2026, May 4–5). Encrypted medical image compression using hybrid model analysis. In Proceedings of the International Conference on Next-Gen Engineering & Technology (ICNEXT-2026). C. Byregowda Institute of Technology, Kolar, India. ISBN: 978-93-5768-920-5.
6. Muruganandham., Sindhushree, H. L., Sneha, V. N., Spoorthy, S., & Yashaswini, B. V. (2026, March 25–26). AI and IoT enabled fall detection and prevention system for elders using wireless systems. In Proceedings of the International Conference on Advancement in 5G and Beyond Wireless Communication and Navigation Systems: Challenges and Opportunities (ICAWCNS-2026).
7. Prasannakumar, A. M., Aleemuddin, Rabiya Basri, & Syeda Kounain. (2026, May 29–30). Efficient low-cost automatic external defibrillator with GSM alert and GPS. In Proceedings of the International Conference on Advances in Computing Systems, Communication and Networking (ACSCON-2026).
8. Deepika, J., Ananya, P. Gowda, Bhumiika, M., I. Vasanthi, & Kushali Gowda, K. G. (2026, May 29–30). Brain wave controlled electric vehicle powered by solar energy. In Proceedings of the International Conference on Advances in Computing Systems, Communication and Networking (ACSCON-2026).
9. Deepika, J., S. Kishore, Sujith, R. S., Veeresh, & Nagaling Nemati. (2026, May 4–5). Voice controlled text-to-Braille converter for the visually impaired. In Proceedings of the International Conference on Next-Gen Engineering & Technology (ICNEXT-2026). C. Byregowda Institute of Technology, Kolar, India.
10. Loksha, K., Lahari Priya, R., Lavanya, R., Likith, B. P., & Aishwarya, H. P. (2026, May 4–5). Enhanced miner safety through smart helmets and real-time monitoring. In Proceedings of the International Conference on Next-Gen Engineering & Technology (ICNEXT-2026). C. Byregowda Institute of Technology, Kolar, India.

STUDENTS PUBLICATIONS

CONFERENCE PROCEEDINGS

11. Chaithanya, S., Ajay, K. N., Balaji, T., Harsha, G. N., & Kiran N. Swamy. (2026, May 29–30). Solar-powered electric vehicle with a battery swapping system. In Proceedings of the International Conference on Advances in Computing Systems, Communication and Networking (ACSCON-2026).
12. Chaithanya, S., Sagar, N. M., Tejas, P. V., Vijay Kumar, M. N., & Praveen Patil. (2026, May 4–5). Design and simulation of physical layer of Peripheral Component Interconnect Express protocol. In Proceedings of the International Conference on Next-Gen Engineering & Technology (ICNEXT-2026).
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Dr Anitha S	Introduction to Machine Learning
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Dr. Haritha K Sivaraman	Education for Sustainable Development
Dr.Vani S Badiger	Enhancing Soft Skills and Personality
Chaithanya S	CMOS Digital VLSI Design
Ajay M	Biomedical Signal Processing
Santosh Chavan	Biomedical Signal Processing
Amudha S	CMOS Digital VLSI Design

ALUMINI VOICE



Varun T R

BE-ECE(2020-2024)

Design Verification Engineer

Delancey Technology Private Limited

My journey at RajaRajeswari College of Engineering has been truly transformative, filled with invaluable learning experiences and personal growth that have shaped who I am today. The college provided me with an exceptional foundation to discover my interests, push my boundaries, and evolve both academically and as an individual. The faculty members at RRCE are extraordinary - they go beyond traditional teaching to become true mentors and guides. Their dedication to helping students understand complex theoretical concepts while bridging them with practical, industry-relevant applications has been remarkable.

I am profoundly thankful for the nurturing and inclusive atmosphere that transformed into professional ready to take on real-world challenges. It didn't just provide me with technical knowledge and skills, it also instilled fundamental values such as collaboration, determination, integrity, and adaptability - qualities that continue to guide me in my professional journey. The experiences, friendships, and lessons learned at will remain with me forever.

I am grateful to the Department of Electronics and Communication Engineering at Raja Rajeshwari College of Engineering for giving me the opportunity to share my experience as an alumnus. The department provided me with a strong academic foundation and helped me develop both technical and professional skills. The faculty members were knowledgeable, supportive, and always encouraged us to learn beyond the classroom. Their guidance and mentorship played an important role in my academic and career growth. The knowledge and confidence gained during my engineering journey motivated me to pursue M.Tech in VLSI Design and Embedded Systems and have also helped me in my professional career.

I am currently working as a System Engineer at Infosys. I sincerely thank the faculty, department, and college for their constant support and guidance. I am proud to be an alumnus of Raja Rajeshwari College of Engineering and wish the department continued success in the years ahead.



Pavan M

BE-ECE(2020-2023)

Software Developer

Infosys

I am honoured and grateful for the opportunity to share my reflections as an alumnus of the Department of Electronics and Communication Engineering. Initially, I perceived Electronics as an exceptionally complex and challenging discipline. However, this perception transformed profoundly after joining the program, largely due to the exemplary pedagogy and mentorship of the faculty members. The department is distinguished by its team of highly skilled and experienced professors who imparted robust foundational knowledge in the core domain—an outcome that every aspiring student rightfully expects from an academic institution. Beyond academic instruction, the faculty demonstrated unwavering support across all dimensions of student development. The institution fostered an environment that encouraged experiential learning, allowing us to learn from our missteps while providing the guidance necessary to achieve our goals.

I am pleased to share that I secured placement at KEJ IT Solutions Pvt Ltd, an emerging organization specializing in IT consulting and services. I extend my sincere gratitude to my professors, the department, and the college for their instrumental role in my professional journey. I wish the institution and its forthcoming graduates continued success and the very best for the future.



Mohammed Tahir Hussain

BE-ECE (2020-2024)

Software Development Engineer in Test

KEJ IT SOLUTIONS PVT LTD

Looking back at my four years in Department of Electronics and Communication Engineering, the professors stand out the most. They took the time to actually explain concepts instead of just rushing through the syllabus, and a lot of what they taught still comes in handy in my work today. The labs were solid too. I remember during a few of our practical sessions, a bunch of us would quietly turn it into a race, whoever got the code working first or finished writing observations quickest would just grin and lean back while the rest of us scrambled to catch up. It wasn't ever serious competition, just that fun little push that made even a regular lab session feel less like a chore.

The department also had good people around, classmates and seniors who'd help out when needed, which made things a bit easier during the tougher project deadlines.

Overall, it was a good four years. Wishing the department and the students all the best.



Nishanth K

BE-ECE (2020-2025)

Lead - R&D

Fubotics Private limited