

RAJARAJESWARI COLLEGE OF ENGINEERING

AN AUTONOMOUS INSTITUTION

UNDER VTU, APPROVED BY AICTE, UGC & GOK



TECHNISHAD-26

COMPUTER SCIENCE AND ENGINEERING



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



Dr.D.Kirubha
Professor & Head
Dept of CSE

VISION

To produce competent professionals who drive research, foster, innovation and develop technologies that address global challenges and inspire future generations.

Program Educational objectives

PEO1: Enable graduates to excel in higher education, conduct impactful research and succeed in careers or Entrepreneurship in Computer Science and Engineering.

PEO2: Ensure Graduates develop the skills and mindset to continuously adapt to evolving technologies and acquire new knowledge.

PEO3: Cultivate professionalism and ethics in graduates, enabling them to contribute to societal progress and technological advancement.

Program Specific Outcomes

PSO1: Investigate Complex problems across various domain, applying appropriate computational technique to systematic design solutions and evaluate their effectiveness.

PSO2: Apply software engineering principles to design and develop high quality, innovative software systems, utilizing contemporary and emerging information processing technologies.

Dear Readers,

It is my pleasure that we are reaching you regularly through the bi-annual Newsletter "TECHNISHAD" of Computer Science and Engineering by sharing our view, vision and disseminating information about our achievements and activities. We believe that this newsletter for 2025-2026 will serve as a window showcasing the complete profile of Computer Science and Engineering and its achievements, progress made and curricular activities during the stipulated period. At CSE, we're dedicated to creating an environment that will improve the nation's infrastructure while standardizing new products and technology. We look forward to your continued support and suggestions to further improve the Newsletter.

Mission

M1: Provide Extensive technical education to produce trained professionals and Entrepreneurs.

M2: Establish a knowledge environment for progressive research by imparting industrial-based skill development courses on the growth of modernized environment.

M3: create and develop innovative skills by collaborating with industries to generate solutions for societal impact with moral standards.

M4: To instill lifelong learning, adaptability and resilience, equipping students to thrive in fast-evolving fields and continuously advance technology.

Best Wishes and Warm Regards,

Dr. D. Kirubha, HoD, CSE
Prof. Yeshaswini.R, Asst. Prof. CSE

Department Over View

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering, accredited by the National Board of Accreditation (NBA), has consistently demonstrated academic excellence, research strength, and strong industry alignment since its establishment in 2006. The department maintains an impressive average academic result of 85%, reflecting effective teaching–learning practices and a robust mentoring system. With a commendable placement rate of 80% and 100% internship opportunities, the department ensures comprehensive career readiness and industry exposure for its students.

The department fosters a strong research culture. Faculty members and students have collectively contributed to more than 700 research publications in reputed National and International Conferences and Journals. The department is currently executing funded research projects worth ₹1.05 Crore, demonstrating its capability in securing competitive research grants. Additionally, the department has produced more than 100 patents and contributed over 25 book chapters, reflecting its commitment to innovation and intellectual property development. To strengthen practical learning and industry readiness, the department has established Advanced AI and IoT Laboratories under Centers of Excellence (CoE) in collaboration with leading organizations such as Honeywell, Capgemini, and Infosys. The department also houses a dedicated IoT and Cloud Computing Lab, enabling students to work on real-time applications in smart systems, networking, cyber security, and cloud platforms. The presence of an AICTE IDEA Lab, equipped with modern prototyping facilities including a 3D Printer, promotes innovation, product development, design thinking, and interdisciplinary project work. The department also supports entrepreneurship and industry-driven research through its MSME Centre.

ABOUT CSE R&D CENTRE

Department of Computer Science Engineering had the approved Research Centre by VTU, Belagavi in the year 2016. There are 5 faculty members approved as supervisors in the department. 9 Faculties are pursuing Ph. D in our research center and other research centers. Totally 101 papers are [published in reputed journals and 17 papers in International Conferences and also 25+ patents published every year. Our faculty got the funding for the project proposals from AICTE, VTU TEQIP, KSCST, VTU and CSIR. Through collaborations with ICT Academy, the department regularly conducts CSIR activities, workshops, expert lectures, training programs, and Faculty Development Programs. It actively participates in the IIT Bombay Spoken Tutorial Project. A significant number of students and faculty members have successfully completed NPTEL courses and various online certifications. The department maintains multiple MoUs with industries and organizations, ensuring continuous interaction, internships, collaborative training, and industry-relevant skill enhancement. Advanced laboratories including AI, IoT, Cloud Computing, AICTE IDEA Lab with 3D printing facilities, industry-supported Centers of Excellence, certification initiatives such as NPTEL and IIT Bombay Spoken Tutorial, and consistent placement and internship achievements, the Department of Computer Science and Engineering stands as a

¹ **dynamic, innovation- driven, and industry-oriented center committed to producing competent and globally competitive professionals.**

Seminar on “How Technical Skills and Internships Impact Your Placements?”

Date: 12th August 2025

Organized By: Department of Computer Science and Engineering, Rajarajeswari College of Engineering

Venue: CSE – 5th Floor Seminar Hall, RRCE Campus

Resource Person:

Mrs. Farheen Farhath – Co-Founder, Princeton Smart Engineers

- **Outcomes:** Gain practical insights on bridging academic learning with industry requirements
- Understand how internships shape your career prospects
- Learn how to stand out in placement drives
- How to build Resumes with placements and internships.strong

Faculty co-ordinator: Prof. Josna.O
Prof.Supraja M



Alumni Talk on “Engineering the future : Carrier Skills and the AI Evolution from ML to GEN -AI

Speaker: Mrs. Anusha , Assistant Professor, DBIT, Bangalore

Date: 3rd December 2025

Time: 11:00 A.M.

Venue: Seminar hall , 5th floor , RRCE



Outcome:

- To understand the transition from classical Machine Learning to Generative Artificial Intelligence.
- the role of AI in modern engineering solutions.
- identify essential technical, analytical, and soft skills required for future careers.
- To discuss the impact of Gen-AI on engineering education, creativity, automation, and decision-making.



Faculty co-ordinator: Prof. Josna.O
Prof.Supraja M

Student Development Programme on Machine Learning and Generative AI



Mrs. Srusti S Desmukh

RESOURCE PERSON : Mrs. Srusti S Desmukh

And Mr.Abhishek S Jamadar

Date: 24th November 2025 to 28th November 2025

VENUE : APJ Abdul Kalam Hall ,2nd floor, RRCE

Outcome:

- Do's and Dont's during interview.
- Understand why Technical skills matter in placements.
- role of internships to boost employability.
- How to choose right internships.
- understand the link between skills and internships.



Mr.Abhishek S Jamadar



Faculty co-ordinator: Prof. Deepika M
Prof.Supraja M

Mini Project Expo-2025

Chief Guest: Mr. Nanda Gopal , HOD ,Dept of CSE,

ACS College of Engineering.

Mr. Venkatesh, Asst Professor, Dept of CSE

ACS College of Engineering.

Date: 28th November 2025

Participants: 3rd year students,CSE

Venue: 5th floor lobby, RRCE.

Outcome:

- High Level of Technical competency displayed by graduating students. A Key result was to Strengthening industry-academic ties as evidenced by the presence of industry partners, several of whom expressed interest in further developing specific student prototype or offering internship opportunities.



Faculty co-ordinator: Prof. Ushashree
Prof.Supraja M



ROOTS and RESPONSIBILITY and FOOD FEST as a part of SCR Activity

Date: 28th November 2025

Time: 10.30 AM onwards

Venue: 5th Floor classrooms, RRCE.

Chief guest : Dr.D.Kirubha ,

HOD, Dept of CSE

Faculty Coordinator: Prof. Deepika. M

Prof. Ushashree N



Report Career Readiness Preparatory Session on “Bridge the Gap between Academia and Industry”

Resource Person: Ms. Shruthi K Murthy–
Wad & WILA| Expert in AI/ML &
Cybersecurity.

Date: 24th September 2025.

Faculty Coordinators:

Prof. Abubakkar Sithik. M,
Asst. Professor, Dept. of. CSE,
Prof. Sinchana,
Asst. Professor, Dept. of. ISE,

Venue: CSE Lab 5th Floor



Ms. Shruthi K Murthy

Key Highlights of the Session:

- Current IT Industry Trends & Technologies – Insights into the latest advancements shaping the tech world.
- AI, Generative AI, and Agentic AI Overview of emerging AI technologies and their applications.
- Career Opportunities in AI, GenAI, and Agentic AI Job profiles and technical skills required for a promising career in these domains.
- Cybersecurity & Ethical Hacking Fundamentals, job roles, essential skills, and globally recognized certifications for a rewarding career.
- Data Science & Business Analytics Career prospects and skills needed to excel in this rapidly growing field.

