School of Computer Science and Engineering

WHERE IDEAS IGNITE MINDS

RV UNIVERSITY

Go, change the world

प्रज्ञा: ★ धीरा:

an initiative of RV EDUCATIONAL INSTITUTIONS
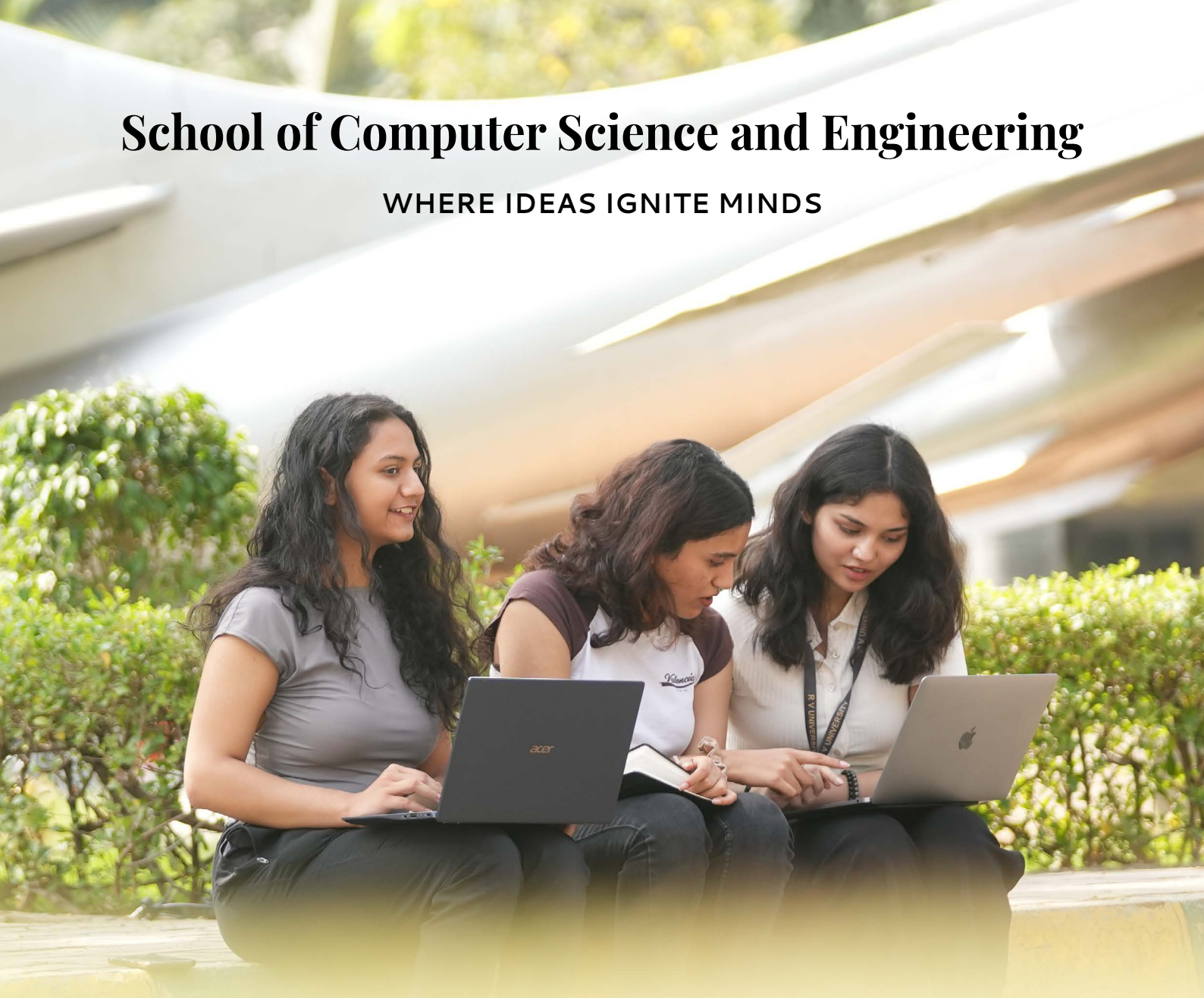
About RV University

RV University (RVU) is a new-age University for liberal education based in Bengaluru. RVU has been established by Rashtreeya Sikshana Samithi Trust (RSST), which has over eight decades of legacy of excellence in higher education. RVU is a State Private University under the RV University Act, 2019. It has received all Regulatory approvals from the Government of Karnataka as well as University Grants Commission (UGC).

About the School of Computer Science and Engineering

The School of Computer Science and Engineering (SoCSE) focuses on making students ready for the future global careers through strong CS foundation with hands-on skills, specializations in disruptive technologies and 21st century skills such as problem-solving, critical thinking, communication, innovation, creativity, and entrepreneurship. This is achieved through project-based learning, international internships, interdisciplinary skills through various minors, community-based learning and focus on portfolio building and mentoring for leadership through learner analytics.

FROM THE DEAN'S DESK

Dr. Shobha G.

Dean, School of Computer Science and Engineering

The School of Computer Science and Engineering (SoCSE) is dedicated to providing comprehensive programmes that equip students with essential 21st-century skills, including learning, literacy, and life skills. The curriculum is carefully designed to prioritise fundamental concepts while incorporating advanced topics, ensuring that students develop a strong foundation upon which they can build their knowledge and expertise.

Our School emphasises on fundamental concepts, encourages research and innovation, offers minors from other schools, provides specialisations in allied fields of Computer Science with research centres, and fosters a vibrant range of student led student clubs preparing students to become leaders and innovators in the rapidly evolving field of Computer Science. Graduates emerge with a well-rounded education, practical experience, and a strong foundation for success in today's interdisciplinary workforce.

Design your own curriculum

CS, ENGINEERING AND HUMANITIES CORE

· Mandatory courses covering all foundations in CS
· Exploring Science
· Engineering Explorations
· Mathematics

SPECIALISATIONS AND ELECTIVES

· AI, Machine Learning and Data Science
· Full Stack Application Development in Cloud
· High Performance Computing
· Metaverse, AR/VR and Gaming
· Networks, IoT and Cybersecurity

MINORS

· FinTech
· Innovation, Entrepreneurship and Product Design
· Robotics and Industrial Automation
· AI for Good
· Graphics Design and Visualization
· Undergraduate Research/ Co-op
· Can opt of minors offered by other schools as well

LEADERSHIP & 21ST CENTURY SKILLS

· Structured Innovation
· Entrepreneurial Mindset
· Technical Communications
· Leadership and Happiness + many more
· Performing Arts
· Community Engagement

How do we imbibe 21ˢᵗ Century Skills

EXPERIENTIAL LEARNING

- Activity-based learning
- Asynchronous courses

INTERDISCIPLINARY KNOWLEDGE

- Design your own curriculum
- Integrated Learning

HOLISTIC LEARNING

- Life skills
- Harmony and wellbeing

COMMUNITY BASED LIFELONG LEARNING

LEARNER ANALYTICS

- Personalized plan
- Portfolio
- Mastery-oriented evaluation

Why the School of CSE?

Focussed on imparting 21ˢᵗ century skills through experiential, holistic and portfolio-building learning rather than exam-oriented, rote learning

Guide on the Side model of pedagogy to build impressive portfolios

Learn and Earn from 3ⁿᵈ semester onwards

Advisory Board with eminent academicians, industry leaders and entrepreneurs to drive the vision of the department

Best faculty having in depth hands-on and theoretical knowledge

Curriculum supports interdisciplinary studies with minors from other schools

Curriculum includes internships and study abroad during the final year

Smart classrooms, activity labs and Hardware labs to support experiential learning

PROGRAMMES OFFERED

UNDERGRADUATE PROGRAMMES

Four year programmes

- **B.Tech. (Hons.)** Computer Science and Engineering
- **B.Sc. (Hons.)** Computer Science
- **B.C.A. (Hons.)**
- **B.C.A. (Hons.)** Software Product Engineering (Powered by Kalvium)

Specialisation for B.Tech. (Hons.), B.Sc. (Hons.) and B.C.A. (Hons.)

- AI, Machine Learning and Data Science
- Full-Stack Application Development in Cloud
- High-Performance Computing
- Metaverse, AR/VR and Gaming
- Networks, IoT and Cybersecurity
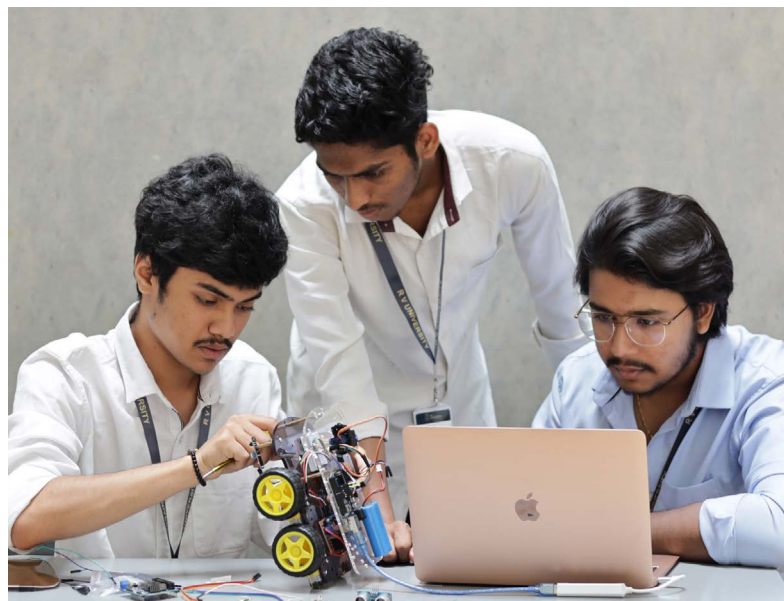
POSTGRADUATE PROGRAMMES

Two year programmes

- **M.Tech.** Computer Science and Engineering
- **M.Sc.** Computer Science

Three year programme

- **M.Tech. Data Science** (in collaboration with upGrad Campus) for working professionals

Ph.D.

Offered in Computer Science and Engineering and also in other multidisciplinary branches of science & technology.

COLLABORATIONS AND PARTNERSHIPS

BHARAT ELECTRONICS — QUALITY. TECHNOLOGY. INNOVATION.

OLD DOMINION UNIVERSITY

SEATTLE UNIVERSITY 1891

Capgemini

MIT-WPU — Dr. Vishwanath Karad MIT WORLD PEACE UNIVERSITY | PUNE — TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

shaale

UC RIVERSIDE

ZIROH Labs

HAL

aiTechPark — Connecting Insights with Individuals

Bryant University

upGrad Campus

Infosys Springboard

Mu Sigma

TATA STEEL

NeuraStasis

Spinteg

ARCHONET

mongoDB

SIENA

saima

ASYNCHEALTH

and many more.

Eligibility

10+2 or equivalent (CBSE, ISC, IB, Cambridge, State Boards and other Govt. recognised Boards) with minimum aggregate marks of 60%.

Selection Criteria

Based on the performance in RVSAT and RVU's Selection Process

Merit scholarships available

ADMISSION PROCESS

STEP - 01
Complete Online Application
Select the course and fill out the application form. Apply online
https://admissions.rvu.edu.in/

STEP - 02
RVU Selection Process
Complete the course-based selection process

STEP - 03
Selection Letter Issued
Subject to fulfillment of eligibility and admission process

STEP - 04
Programme Registration
On receipt of registration fee as specified in the selection letter

STEP - 05
Provisional Admissions Letter
Issued upon completion of the selection process

B.Tech. (Hons.) students can also apply through RVSAT and KCET
Register for RVSAT* – 2024
RVSAT is the national-level entrance exam for all UG and PG programmes of RV University
https://admissions.rvu.edu.in/

OR Apply through KCET:
See details at https://kea.kar.nic.in

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Scan to apply

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Mobile: +91 8951179896, +91 9513673778   **Email:** admissions@rvu.edu.in   **Website:** www.rvu.edu.in

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