

RVCE general info

PRINCIPAL

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R.V. College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST) a not for profit trust. The trust runs over 25 institutions and RVCE is the flagship institute under the trust. RVCE is today recognized as one of India's leading technical institution.

Departments of RV College of Engineering:

[Aerospace Engineering](#)

[Artificial Intelligence & Machine Learning](#)

[Biotechnology](#)

[Chemical Engineering](#)

[Civil Engineering](#)

[Computer Science and Engineering](#)

[Electrical and Electronics Engineering](#)

[Electronics and Communication Engineering](#)

[Electronics and Instrumentation Engineering](#)

[Industrial Engineering and Management](#)

[Information Science and Engineering](#)

[Master of Computer Applications](#)

[Mechanical Engineering](#)

[Electronics and Telecommunication Engineering \(Telecommunication Engineering\)](#)

[Basic Sciences](#)

Research at RVCE:

Materials & Manufacturing Engineering with additional capability for Design for Optimization of Manufacturing processes and production. The broad areas of materials worked include polymers, composites, wide range of nano materials (metals, ceramics and semiconductors) and amorphous materials.

Sensors, Networks and Communication(RF & THz)

Nano Science, Surface Engineering & MEMS

Data Mining/ Data warehousing or Business Intelligence, Cloud Computing,

Environment And Sustainable Technologies with a focus on Smart buildings and Smart Cities

Clean & Renewable Energy, Energy Efficiency & Management

Large Area and Plastic / Printable (Flexible) Microelectronics

Advanced Instrumentation

Highways and Transport technology

Institution Achievements / Recognitions

- [1. NIRF Ranking-2024](#)
- [2. IIRF Ranking-2023](#)
- [3. ARIIA - Atal Ranking of Institution on Innovation Achievements-2020-21](#)
- [4. R-World Institutional Ranking-2023](#)
- [5. Higher Education Review Magazine-2023](#)
- [6. Jal Urja Mitra - Accreditation-2024](#)
- [7. Recognition of Virtual Lab-Nodal Centre-2023](#)
- [8. QS-IGAUGE-2021-24](#)

Innovative clubs:

1) Ashwa Racing

- aims to contribute to society through quality engineering and to empower the Indian masses with sustainable mobility solutions and green mobility technology.
- platform for transformational skill development in the field of Mobility Engineering for students having its association with RV College of Engineering and various industry partners
- designs and builds formula-style race cars

2) Team Vyoma

- aero-design team of RV College of Engineering. Started in 2007, we are one of the leading student projects in India, having won many national and international competitions and awards such as the NASA Systems Engineering Award.
- Carry out cutting edge research for development of Unmanned Aerial Vehicles. Ignite inquisitiveness and interest in young minds in Aerospace Engineering and help them along that path. Represent our country in numerous International competitions like SAE Aero-design, AIAA Design Build Fly & IMAV.
- Mission- To develop state of the art technologies in the field Autonomous Robotics, to accelerate the growth of the Aerospace domain by conceiving a Societal Drone Era, to Carry out R&D in Unmanned Aerial Vehicles, to perform custom advanced missions for societal use.

3) Team Chimera

- India's premier student formula hybrid and electric team.
- Student Design Team involved in the design and development of formula style hybrid race cars
- the team has been consistently involved in research and development of hybrid and electric automotive technology.

4) Team Garuda

- aim to design, fabricate and test urban concept super-mileage cars with an objective to develop Sustainable, Green and Efficient technology for mobility by incorporating new technologies to accommodate alternative energy sources to make a car for the future
- have designed 7 prototype and 3 urban concept vehicles in the period of 10 years

5) Team Helios

- objective is to simulate real-world engineering design projects. Each team endeavours to design and fabricate an industry standard All-Terrain Vehicle (ATV).
- 6) **Project Jatayu**
- The vision of Project Jatayu is to design and develop Autonomous Unmanned Aerial Vehicles, that use the most recent advances in technology to create applications for the real world and society at large
 - The mission of Project Jatayu is to fulfill the vision by undertaking research and development in various fields encompassed, and to demonstrate their utility by participating in various competitions and events at the national and international levels.
- 7) **Team Astra**
- aim to create a platform for research and development in the field of robotics and automation to solve conundrums in the most economical and elementary ways.
 - actively participate in the various robotics events held across the globe
 - provide a platform for Interdisciplinary research and innovation in the field of robotics, with a focus on development of sustainable technology.
- 8) **Team Krushi**
- Team vision: To develop passion in engineering students to unfold innovative challenges in agricultural sector
 - Educate students about various technologies and concepts.
 - Train students to meet industry standards.
 - Motivate students to take up demanding encounters in agricultural sector.
 - Equip farmers with innovative equipment's to lessen the burden upon them.
- 9) **Team Antariksh**
- Involves intense research in the fields of astrophysics, astrodynamics and electronics
 - Working in close terms with ISRO, aims to build a fully functional nanosatellite
- 10) **Frequency club**
- aim at contributing to our society by working on the new age technology in both software and hardware domains mainly focusing on Artificial Intelligence, Machine Learning and its advances.
 - Fulfil the college's objective of bringing innovation to the fore and expanding our skill sets as engineers.
- 11) **Team Hydra**
- Objective: To deploy Automated Underwater Vehicle for surveying and navigation purpose
 - Focuses on development and fabrication of AUV, software and hardware implementation, underwater communication etc
- 12) **Entrepreneurship Development Cell**
- mission of developing the change makers of the society is achieved by organizing seminars, competitions, workshops, conferences and all putting students through the experiences of all that comes with it. These will impart the relevant skills to an entrepreneur, to anyone willing to take the step.
 - aims to make people realize the true sense and meaning of Entrepreneurship. The term is not only about creating a company, but is anything to do with innovating on your own idea

- envision ourselves to be the cultivators of tomorrow's leaders. Through the activities and workshops that we host, we give it our all to help people grow as successful managers and leaders; contributing to the growing startup ecosystem of India.

13) Coding club

- aims to establish a coding culture on campus, reaching every student passionate about coding. The club's motto is to Create-Build-Innovate.
- Conduct more coding competitions to reach every student on campus → Organize an event during the annual techno-cultural fest of RVCE, 8th Mile → Conduct workshops on areas of computer science like web development, application development, machine learning, IoT etc. → Contribute to open source projects, build websites and applications, provide technical support to organizations and various clubs on campus

14) Team Dhruva

- Dhruva is the astrophysics club at RV College of engineering that comprises an interdisciplinary team working towards understanding our universe better.
- host stargazing events, astrophysics-related coding competitions and engage in impactful discussions on latest observations made by the astrophysics community across the globe. We also believe in sharing our understanding with fellow astrophysics enthusiasts through our informative videos, blogs and journal

15) RVCE ham club

- Amateur Radio Club at R. V. College of Engineering
- RVCE Ham Club aims to rediscover the advantages and joy of short wave communication while making great strides to be of use to nation in Disaster Management efforts.