



RSR RUNGTA COLLEGE OF ENGINEERING & TECHNOLOGY

Rungta Knowledge City

Kohka - Kurud Road, Bhilai (C.G.)-490024

Recognized by AICTE, New Delhi and Affiliated to CSVTU, Bhilai.



Strategic Plan (2021-2030)



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About us

RSR Rungta College of Engineering & Technology, Bhilai (RSR-RCET) was established in the year 2007 has a long standing for over a decade has systematically emerged as a hub for quality education through its teaching-learning processes, competent faculty members, state-of-the-art infrastructure and committed efforts on research & innovation, having a tangible impact on rural societal development. Over these years, RSR-RCET has become as synonym for 'Quality Education' in the state of Chhattisgarh focusing more on rural development and social upliftment through quality education in various domains such as Engineering, Technology and Management. The journey has been quite challenging yet very successful. Meanwhile, the RSR-RCET has developed its Strategic Plan for 2021-30. The majority of the goals envisioned in the plan will be achieved.

We are very happy to put forward this Strategic Plan of the RSR-RCET for the period of 2021-30. It precisely articulates our aspirations to emerge as the highly valued multidisciplinary and student centric engineering and management Institution.

We believe that with the support of dedicated efforts of all the stakeholders, RSR-RCET in the upcoming five years will scale up to greater levels of excellence and merit in the higher education not only in the state of Chhattisgarh but also at the national and global level.

Vision:

To constantly upgrade potential through education.

Mission:

- **To improve quality and capacity of admissions.**
- **To uplift skills sets through Value Added Courses, Industry interaction and curricular activities.**
- **To provide adequate resources and motivation for higher studies and develop Entrepreneurs.**
- **To produce the best employable students.**
- **To foster research environment in collaboration with Reputed Institute and Industries.**



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Quality Policy

“A center of excellence with quality infrastructure imparting value based education on par with international standards by adopting modern training methodologies and fulfilling the expectations of students and parents towards continual improvement in education and placement. Utmost care is taken to maintain all types of accreditations.”

Core Values

Respect:

Showing respect is a very important component of both personal identity and interpersonal relationships. To get respect could be considered a basic human right. Furthermore, respect moves us to understand the unique contributions of every person in the society as well it leads us to value diverse perspectives. Hence, in our college practicing this value would play a pivotal role.

Excellence

Excellence is a talent or quality which surpasses ordinary standards. It is also used as a standard of performance. At our Institute we strive to develop higher benchmarks by exhibiting quality in staffing, facilities, programs, and services by promoting continuous improvement and encouragement in interdepartmental collaboration among students as well as faculty.

Accountability and Transparency

In our institute we endeavor towards developing an atmosphere where every member takes responsibility for personal and professional growth. We often assess and enhance our policies to establish and impart characterized and explained objectives which ensure that our work increases the value of the college and society. We believe in having complete transparency at all levels of hierarchy to promote a healthier working and learning atmosphere to students as well as faculty.

Encouragement

Encouragement helps our students to develop critical thinking, effective communication, ethical decision making and social obligation. In addition to that through encouragement our institute is able to produce a highly productive staff which will help us to achieve our organizational goals and vision. Hence, we as an Institute work in the direction of a motivated environment for staff and students.

Leadership

Leadership motivates the people to a higher level of performance through their strong human relations. Leadership is an important function of management which helps to maximize efficiency and to achieve



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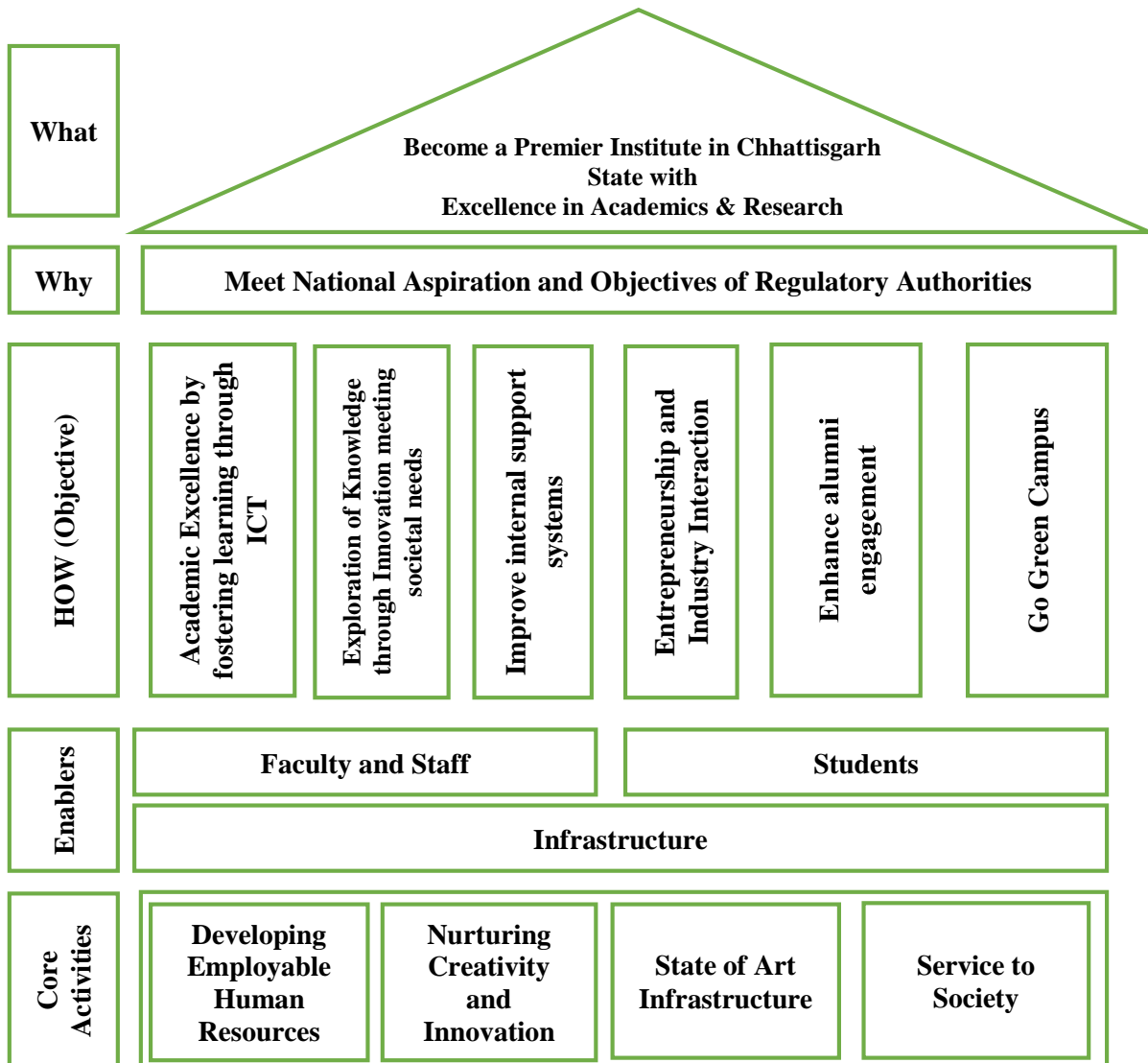
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organizational goals. In fact, leadership is an essential part and a crucial component of effective management. At our institution we mold our students as leaders who excel in addressing the challenges of 21st century. Furthermore, in our students we cultivate critical thinking, creativity and joy of lifelong learning to serve the society with whole heart and soul boldly.

STRATEGIC PLAN 2021-30





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STRATEGIC PLAN 2021-30

Goal 1: Academic Excellence by Fostering Learning Through ICT

Values-based Education creates a strong learning environment that enhances academic achievement and develops students' social and relationship skills that last throughout their lives. The positive outcomes are achieved through teaching-learning methods blended with ethical values and cross domain research in cutting edge technologies. This leads to the all-round personality development of the students. It also provides social capacity to students, equipping them with social and relationship skills, intelligence and attitude to succeed at every aspect of their lives. A high quality of academic excellence can provide value-added experience for the students.

Strategies:

1. Curriculum Enrichment and Value Addition

Being an affiliating College the HEI has insignificant role in curriculum designing and development. However, measures have been taken for Industrial certificate Course, Value added courses and activities sensitizing students to cross-cutting issues such as gender, environment and sustainability, human values and professional ethics, development of creative and divergent competencies.

2. Pedagogy and Delivery Modes

The day to day classroom delivery is through modern pedagogy evenly balancing the traditional methodology. The classrooms are equipped with the required infrastructure to facilitate the new modes of delivery. The faculty are trained on the ICT methodologies and continuous apprise of the same is provided through conduct and participation in faculty development programmes, workshops and seminars. An exclusive teaching/ learning center is in place to support faculty teaching, student learning and communication. E- learning / online learning will be encouraged in addition to the traditional class room teaching-learning practice. Faculties and students are encouraged for NPTEL- SWAYAM Certification.



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Metrics / Measures

Key Result Areas	Measures
Curriculum Enrichment	Industrial Certificate Courses
	Courses focusing on Skill development and Employability
	Value Added Courses
Learner Centric Curriculum Delivery	Academic Plan as per OBE & Academic calendar
	Quality projects
	ICT utilization / Pedagogy Tools
	Online Self learning Resources
	Industry exposure through Internships
	Workshops/FDPs on Pedagogy/Technology
	Learning Management System
Smart Classrooms	Multimedia and support equipment
	E-Learning Facilities.
Laboratories	Periodic maintenance and up gradation
	Virtual Laboratory
	Additional Design and open ended experiments

Goal 2: Exploration of Knowledge Through Innovation Meeting Societal Needs

The Institute addresses and enhances students' imagination, initiative and practical skills and equips them to innovate and confidently cross the threshold of challenges. Added to the academic activity additional open ended experiments, Minor/Major Projects, Industrial Based Projects, Product Based Projects are encouraged. The innovative idea of students is transformed into reality by:

- Project Based Learning from minor to major levels involving processes and products.
- Enhancing projects allied with industries.

Metrics / Measures

Key Result Areas	Measures
Research Publications	Numbers of papers published in reputed National and international journals
	Numbers of papers presented in reputed National and international conferences
	Faculty as reviewers for reputed journals
Frontiers of knowledge	Operational Centers of Excellence
	Conferences/seminars/workshops conducted.
	MOUs with higher learning institutes in India & broad.
Patents and Book Chapters	IPR Workshops
	Number of Indian Patents
	Book Chapters



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Goal 3: Improve Internal Support Systems

The Institute has an effective Enterprise Resource Planning (ERP) system after streamlining all processes with the aim of improving efficiency and transparency of operations. The number of technical staff in the departments will be increased, including senior staff with higher qualifications. The Institute will provide additional administrative staff to departments to manage routine work such as, arranging admissions and examinations, maintenance, recording minutes of meetings, as well as specialized activities such as publishing newsletters, maintaining website and engaging with industry and alumni.

The Institute will enhance the purchase section to provide greater support for facilitating purchases in a timely manner. A conference/FDP/STTP course support cell will be set up to help arrange conferences/ FDPs/STTPs. The Institute will provide adequate staff and online systems to enable maintenance of the estate and buildings at a higher standard.

Action points

- Simplify systems and processes with a modern ERP system.
- Appoint and empower departmental managers to support and co-ordinate purchase, maintenance and administration in the Department.
- Conduct annual satisfaction survey.
- Service orientation and training for staff, service response and online complaint systems.
- Establish improved faculty orientation and mentorship programme for new faculty members.
- Create a conference organizing support cell as a part of CEP.

Metrics/Targets

- Reduction in average processing times
- Continuous improvement on satisfaction survey scores
- Tracking and reduction in complaint redressal times

Goal 4: Entrepreneurship and Industry Interaction

The Institute aims to create an ecosystem for deeper collaboration with industry in several modes, including consultancy, sponsored research projects, technology transfer and continuing education. Measures are taken to transform classroom learning to a problem based experience. The idea to



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innovate is encouraged through the Innovation Competition and the best idea is rewarded. Infrastructure is provided to implant the ideas. Young technocrats get opportunities to exploit their full potential by setting up their own ventures thus becoming "job generators" rather than "job seekers". Strategy to provide a platform to business Start-ups to develop the innovative ideas into commercially viable products.

Training and mentoring to the students is given through Entrepreneurship Development Cell to realize the idea into application/ product at institute. Initial awareness on entrepreneurship is facilitated by conducting awareness camps, guest lectures, seminars, workshops, and skill development programmes.

The Industry Institute Interaction Cell proactively builds partnerships with industry in areas of strengths of the Institute. Collaboration with the industry is built through well-structured student internships and appointment of industry professionals as Visiting Faculty. A significant quantum of research will originate from problems identified as a result of the faculty's engagement with industry.

Metrics / Measures

Key Result Areas	Measures
Industry Collaboration	Industry Supported Labs
	Student Internships
	Knowledge exchange through seminars and workshops
	Faculty as Corporate Trainer
	Consultancy and Testing to industry
	Sponsored and funded collaborative research
	MOUs with Premier industries
Innovation and Entrepreneurship	Exclusive incubation facility
	Proactive participation of Students and Faculty
	Focus on Product development
Resources & Infrastructure	Exclusive facility for R&D
	Licensed Technologies

Goal 5: Alumni Engagement

Alumni have been key stakeholders in the Institute's evolution and growth. Alumni achievements have been a source of pride for the Institute and have contributed significantly in society. Plan for active alumni chapters in various cities in India and several initiatives from the alumni to support some of the Institute goals. Donations from the alumni will result in creation of new infrastructure (convention centre, innovation centre) and support towards student facilities and counseling. The



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Alumni Network will help the Institute in identifying and attracting young researchers and academics to faculty positions at the Institute. The Institute has Distinguished Alumnus. The Institute conducts several events to engage with alumni within India and around the world. A dedicated committee manages alumni interactions, supported by a new entity. The Institute will make efforts to enhance the engagement with all alumni. The focus will be on a two-way interaction.

The Institute is committed to lifelong involvement with all students who will continue to be part of RSR-RCET family even after they graduate. The Institute will build its engagement on adding value and support to the alumni in their careers and professions with specialized training, lectures, access to the latest research and help with networking. The Institute will welcome alumni visits to the hostels and departments and will provide opportunities for alumni to interface with students and faculty and participate in the research and educational activities at the Institute.

Action points

- Create an Alumni Centre at the Institute to support alumni visits, activities and engagement.
- Initiatives for supporting alumni needs for continued learning and career improvement. Lifelong Learning Modules targeted for Alumni.
- Multiple interaction modes such as, interaction between alumni and students, mentoring, interaction between alumni and faculty, alumni inputs for curriculum development, alumni support for student placements and internships enhance the innovation ecosystem at RSR-RCET.

Metrics/Targets

- Regularly alumni visit institute campus
- Good amount of networking events for alumni

Goal 6: Go Green Campus

The Institute is committed to grow sustainably and develop as a clean and green campus. The institute promote sustainable practices and maintain the flora and fauna of the campus. Time to time institution monitor, implement and enable the policies and initiatives. Initiatives will include smarter buildings, energy efficient appliances, increased use of renewable energy, improved solid waste and waste water management systems, increased recycling, and making the campus more pedestrian and cycling friendly. New innovative technologies for energy, waste management and water management will be showcased on the campus and their viability assessed.



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Action points

- Use of energy efficient equipment.
- Use of solid, liquid waste management.
- Monitor metrics by creating a network of sensors and report sustainability metrics.
- Significant use of water conservation resources and measures

Metrics/Targets

- Setup a cell which will monitor, implement and enable policies and initiatives of the Green Campus Committee
- Identify the alternate sources of energy and energy conservation measures, like solar energy based conservation and use of LED bulbs and tube lights, energy efficient equipments such as motion and occupancy sensors.
- Institution has solid, liquid waste management measures
- Provide alternate sources of water and water conservation measures, rain water harvesting system and water management system.