RSET
RAJAGIRI SCHOOL OF
ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Strategic Plan for Rajagiri School of Engineering and Technology

Strategic Pillar #1: Enriching Academics and Research

Action Item 1: Collaboration with Academicians/Industry

a. Continuous engagement with industries through regular interactions.
b. Organize workshops in collaboration with industry partners to explore and discuss emerging technologies.
c. Establish Memorandums of Understanding (MoUs) with esteemed industry, national, and international institutes to facilitate opportunities for consultancy, student internships, and collaborative projects.
d. Exchange programs for both staff and students with institutions are to be established to foster the development of expertise through collaborative learning and knowledge-sharing.
e. Progressively develop projects by incorporating successive batches.
f. Execute industry live projects aimed at tackling real-time issues.
g. Engage in collaborative research endeavours with prestigious institutions both within India and internationally.
h. Promote awareness about the industrial significance of the courses through presentations by experts from both industry and academia.
i. Engage in interactions with industry experts to offer valuable consultancy services.
j. Form partnerships with start-ups to incorporate and adapt cutting-edge technologies.

Action Item 2: Initiating New Programmes/Courses

a. Commence new programs as suggested by AICTE (All India Council for Technical Education).
b. Develop comprehensive 5-year integrated M. Tech programs.
c. Introduce programs for International Integrated PhD/Research studies.
d. Offer a diverse range of diploma, industry-oriented, part-time, evening, and interdisciplinary certificate programs and courses.
e. Provide a comprehensive 30-hour certificate course focusing on IPR, innovation, and entrepreneurship.

Action Item 3: Quality Publications/Patents

a. Engage in collaborations with esteemed government technical bodies and institutions for projects and product development.
b. Disseminate research outcomes through publication in indexed journals and patent filings.

Strategic Pillar #2: Build on excelling Human Resource

Action Item 1: Enhancing Leadership Qualities

a. Partner with socially relevant government projects, research organizations, and esteemed institutions for collaborative initiatives.
b. Enable the provision of industry-focused training sessions for faculty and technical staff to enhance their skills and knowledge.
c. Encourage faculty members to actively participate in industrial advisory boards, fostering valuable collaboration and industry-academic synergy.

Action Item 2: Pedagogical Methods

a. Incorporating self-directed learning capabilities within a hybrid teaching approach to empower students' independent educational journeys.
b. Provide faculty with training conducted by experts in pedagogy and mentoring techniques to enhance their teaching and guidance skills.
c. Implement technological platforms such as MOODLE for blended learning in alignment with the National Education Policy (NEP) guidelines.
d. Create department-level MOOC courses to expand online learning opportunities for a broader range of students.
e. Consistently organize faculty development programs to foster continuous professional growth and innovation among the teaching staff.

Strategic Pillar #3: Moulding Students into Eminent Professionals

Action Item 1: Creative Minds

a. Encourage and support endeavours related to entrepreneurship and innovative business ventures.
b. Engagement in both state and national technical and non-technical events to foster learning and networking opportunities.

Action Item 2: Innovative Ideas

a. Take part in collaborative research projects that span multiple disciplines, promoting interdisciplinary knowledge exchange and innovation.
b. Recognize and address pressing societal issues through proactive problem-solving and impactful initiatives.

Action Item 3: Sound Practical Skills

    a. Instil the concept of moving "From Design to Product" as a fundamental approach within the learning environment.
    b. Establish affiliations with professional societies to foster continuous learning and industry connections.
    c. Facilitate the promotion of internships within relevant industries to provide valuable practical experience for students.

Action Item 4: Mentoring

    a. Arrange sessions where alumni share their experiences to provide valuable insights and guidance to current students.
    b. Measures to encourage the development of emotional quotient.
    c. Utilise a multi-faceted approach to effectively identify learning disabilities and implement timely corrective interventions.

Strategic Pillar #4: Quality Intake and Promising Career

    a. Conduct awareness programs led by engineering professionals and organize exhibitions showcasing school students' engineering projects to introduce school students to potential careers in engineering.
    b. Incorporate technical modules into school curricula to actively foster the development of higher-order thinking skills among students.
    c. Conduct career orientation programmes to provide valuable insights into various professions, helping students make informed decisions about their future career paths.
    d. Conduct awareness programmes and targeted coaching to provide necessary guidance and skills for excelling in competitive exams and pursuing higher studies.
    e. Establish active networking channels with alumni to enhance opportunities for higher studies, internships, and job placements, creating a valuable bridge between current students and successful professionals.

Strategic Pillar #5: Instilling Societal Responsibilities and Ethics

    a. Engage in socially relevant activities and collaborative projects with Local Bodies to develop a commitment to community welfare and facilitate meaningful contributions toward addressing local challenges.
    b. Offer technical skill enrichment programmes in schools to equip students with practical and applicable knowledge and prepare them for real-world challenges and opportunities.
    c. Create tailored hardware and software solutions for differently abled individuals to enhance accessibility and inclusivity and empower them to engage with technology effectively.

d. Conduct awareness programmes focused on ethical practices to cultivate a culture of integrity and responsibility, both within the organization and in its external interactions.

Strategic Pillar #6: Augmenting Infrastructure and Sustainable Campus

Action Item 1: Research Facilities

a. Establish cutting-edge research facilities that facilitate advanced scientific exploration and innovation by utilizing funding resources from the industry.
b. Establish incubation facilities to nurture entrepreneurial ventures by providing essential resources, mentorship, and a conducive environment for innovative ideas to flourish.

Action Item 2: Measures to reduce waste and conserve energy

a. Adoption and deployment of environmentally friendly activities to demonstrate a commitment to sustainability and contribute to reducing the ecological footprint.

Strategic Pillar #7: Enhance Visibility of the Institution

a. Regularly assess performance and implement corrective measures to ensure continuous improvement and the attainment of desired outcomes.
b. Engage in ranking surveys and upholding high standards in accreditation to showcase the institution's dedication to excellence and its commitment to providing quality education.
c. Establish a robust alumni engagement framework, including alumni chapters, mentoring opportunities, internships, placements, and meet-ups to foster a strong network that benefits both current students and graduates.
d. Reflect the department's expertise through its active involvement in consultancy activities, where practical knowledge is applied to address real-world challenges.
e. Inviting academicians and experts from renowned institutions to conduct talks and workshops to enrich the learning experience by providing diverse perspectives and up-to-date insights.