



SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.



Strategic Plan



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Strategic Plan

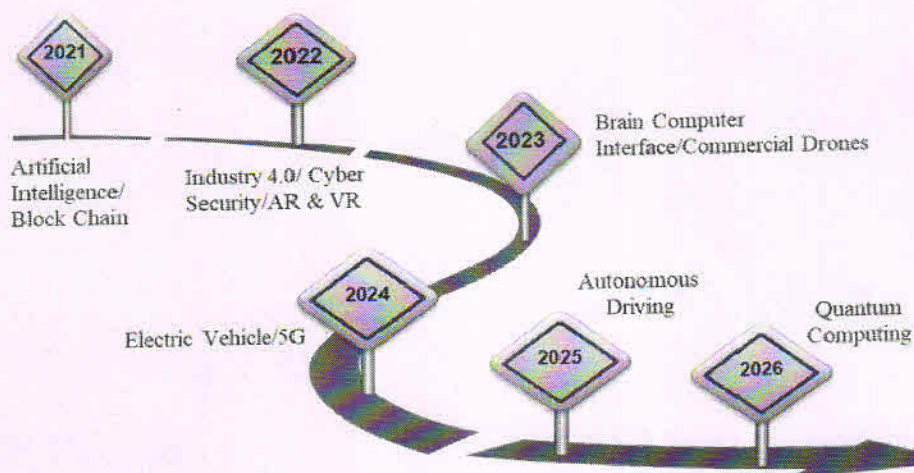
Sri Ramakrishna Engineering College established in the year 1994 by SNR Sons Charitable Trust, Coimbatore is an Autonomous Institution since 2007. The Vision and Mission of the institution are to develop into a world class Technological University consisting Schools of Excellence in various disciplines and to provide all necessary inputs to the students to grow into knowledge engineers excelling in domain knowledge both practice and theory. In order to achieve this vision a strategic roadmap has been planned for the institution with the 5 year perspective and is to develop the institution as one of the best industry linked institutions with a clear focus on emerging technologies.

The areas of emerging technologies focused include – Artificial Intelligence, Block Chain, Cyber Security, Commercial Drones ,Brain Computer Interface, Electric vehicles, Autonomous vehicles, 5G and Quantum Computing.

The strategic plan for industry connect, research and innovation, institutional social responsibilities and Alumni Engagement are presented below

1. Strengthening Industry Connect

The roadmap is projected as below



Target

- To respond to the demands of industry problems/research on cutting edge technologies.
- To Connect for industry collaboration in new technologies with joint certifications leading to student internships
- To establish network of key stakeholders including Universities and start-ups.
- To strengthen the interdisciplinary team with strong competency in research and emerging technology.

Action plan

- A course on Digital technologies to be conducted for all engineering students with faculty competency group and industry experts as resource persons through Collaborative Innovation Centre.
- To obtain faculty sabbatical immersion opportunity in the industries pertaining to their competence.
- To obtain internship opportunities and provide endowment to the students involved in industry projects and innovations.
- A minimum of three MoU's /NDA's per year for collaborative research and industry consultancy.
- Enhancing the faculty competency in different domains with the objective of completing atleast two online certifications per year.

2. Development of Research and innovation as a Culture

The horizontal integration of Science, Technology and Innovation goals into institutional policies helps to achieve sustained Research, Innovation and Extension (RI&E) accomplishments. The key parameters that govern the RI&E ecosystem are: research investment and funding, research promotion policies, researcher density, publication output, IPR and technology transfer, and congenial environment (for products & startups). Certain elements are crucial in developing RI&E as a culture and

there are robust strategies for promoting RI&E, innovation ecosystem, nurturing human resources and domestic research, reducing brain drain, synergizing research activities. The following are the proposed action plans and targets in alignment with the research and innovation as a culture.

Target

- The faculty members to present their research findings and student project outcomes in reputed national and international conferences, and in indexed journals (either in Scopus or in WoS).
- A minimum of three research / review / perspective / communication / featured articles per faculty / per year with indexing in Scopus / Web of Science/ UGC care Journals.
- The improvement in the h-index at the institution level to improve by three every year
- Each department to promote interdisciplinary research by submission of collaborative research proposals with other departments in SREC- atleast 1 per year per department (totalling to 3 collaborative research proposals from the institution per year)
- Faculty members who have completed PhD to submit at least one competitive project proposal (concept note proposal / minor research project / major research project) per year to funding agencies
- Faculty members with PhD to obtain supervisor recognition within one year/two years of PhD and guide at least one research scholar
- Departments with full time scholars are to apply and to establish institutional fellowships for initial support and then, convert to research fellowship by funding agencies.
- Every department shall have a minimum of two institutional fellowships and look forward to increase the number of research scholars

- To ensure a minimum of 200 teams participating in Hackathons and innovative competitions organized by Government of India / Industries.

Action Plan

- Additional SEED money and fellowship for full-time research scholars to strengthen research, innovation and extension activities.
- The Research and Ethical committee to disseminate multiple options to present competitive proposals for funding from different agencies and SEED fund
- Dissemination of information about Hackathons and innovation competitions to all the students and faculty members through Ministry of Education approved Institution Innovation Council.

3. Expanding Institutional Social Responsibilities

Institutional Social Responsibility (ISR) is one of the mainstays of Sri Ramakrishna Engineering College and we as an institution believe that our role involves something more than simply imparting knowledge and skills to the students. To promote social service among the students for the creation of culture of social responsibility, voluntary actions are to be carried out such as identifying problems and developing solutions in the adopted and neighboring villages through myriad of activities like energy conservation, Environmental pollution, awareness programmes, health camps etc. by NSS,YRC, NCC,YOGA and other clubs. This addresses both competitive interests of students & welfare of the society so that they are responsible for the betterment of society and economy.

Target

- To implement customization of technology – **Unnat Bharat Abhiyan** projects towards community development with the scope for start-up in neighbouring villages.

- To conduct a minimum of seven awareness programmes on road safety, fire safety, **Swachh Bharat drive**, Environmental sustainability, Health and hygiene, etc.,
- To inculcate the importance of Science and Technology in the school children to prepare the future generation towards technological development in alignment with the visions of honourable prime minister **Make in India**
- To organize minimum of seven health camps per year in the neighbourhood and in adopted villages to achieve healthy society for a better quality of life.
- To work towards bringing out social entrepreneurs.

Action Plan

- In alignment with the mission of the institution to produce graduates with excellent character and personality with allied skills through UHV Courses.
- To mould them to be individuals caring for society and fellow human beings, through LIVE IN LAB in which students spend up to 2 weeks in villages understanding societal problems.
- NSS, NCC, YOGA and other clubs to increase the number of outreach and extension activities in the neighbourhood of the institution.
- To concentrate on empowering women and youth in skill development of the neighbourhood community making them self-reliant
- Customization of technology and technology development for the community development in adopted villages as part of course.

4. Alumni Engagement

The following target has been set for the next five years to improve the Alumni Engagement in the Institution.

Target

- To inaugurate alumni overseas chapters at Singapore, Australia and form Entrepreneur, Fine Arts & Sport chapters
- To revamp the SREC AA website with space for alumni products.

- To create a workspace for showcasing blogs of alumnus of their own experiences in their interested topic to create awareness.
- To formulate a strong entrepreneur connect in promotion of alumni business and support of start-ups.

Action Plan

- To improve interaction among the Alumni members and with the Institute by the way of organising reunions, meets and conclaves.
- To provide forums for the Alumni members to exhibit their products and expertise, further, give opportunity to promote their business and professional life.
- To implement Alumni Mentor/Mentee program to establish/ connect alumni to share their talents and skills with students and among alumni.
- To improve scholarships, placements and internships through alumni Network.


Director IQAC
Dr.K.Srinivasan

Dr. K. SRINIVASAN, M.E., Ph.D.,
DIRECTOR
 Internal Quality Assurance Cell
 Sri Ramakrishna Engineering College
 Coimbatore - 641 022


Chairperson IQAC
Principal

Dr N R. ALAMELU
PRINCIPAL
 Sri Ramakrishna Engineering College
 Vattamalaipalayam, N.G.G.O Colony (Post)
 Coimbatore-641 022.