

VISION 2030

INSTITUTIONAL STRATEGIC PLAN 2016-2030

K.L.E Society's Raja Lakhamagouda Science Institute (Autonomous), Belagavi (RLSI) inaugurated by Sir C. V. Raman, the Nobel Laureate, has a rich academic history of 88 years spanning over three generations of students. *Character building through Quality Science Education* being the Mission, the Institute has established its distinctive approach towards this comprehensive vision by *Imparting Education for Global Excellence*, while equipping students with knowledge and skills in their chosen stream, inculcate values, identify hidden talents, provide opportunities for students to realize their full potential and thus shape them into future leaders and entrepreneurs.

The Institution authorities, staff and students believe that the true essence of empowerment lies in creating sustained forms of emancipation by generating lasting opportunities. Today the College is able to position itself as a reputed educational entity in fields ranging from academics, social service, sports and cultural programs by providing access to quality education for all. Keeping in view, the national and international priorities, the institution has initiated the process of reviewing its academic programs as well as the contents of the course curricula. The positive outcomes are achieved by designing the curriculum to meet the global needs and through teaching-learning methods blended with ethical values.

Since its establishment, the Institute has been supported by the scholarly teachers who committedly worked to fulfil its Mission. Over the years, the Institute has, expanded and grown by leaps and bounds and its alumni have excelled themselves all over the world.

RLSI, Belagavi is proud of its long tradition and rich legacy, but what has remained and will continue to remain constant is its focus on excellence in education and service to the society. The Strategic Plan aims at providing the institution a Vision and direction for the next few years and strategizes for collective efforts to realize the plan. The key pillars that will help RLSI to achieve the Strategic Plan encompasses Academic Growth, Infrastructure, Innovation and Research, Institutions Social Responsibility and Holistic Development of Students.

Through the VISION 2030, RLSI is committed to nurture its dedicated faculty and aspiring students as well as investing in best-in-class infrastructure and facilities. The strategic roadmap also envisions to create Innovative and Entrepreneurial ecosystem in the institute and to provide platform for quality Alumni engagement.

The Strategic Plan 2016 - 2030 document will serve the purpose of aligning all the stakeholders of RLSI towards a set of common goals so that the sum total of collective efforts and achievements is much more than the individual contributions. The Strategic Plan shall be the guiding light for RLSI to realize the goals to be a benchmark for higher education institutions in India.

The Process

The advantages of autonomy of the institution have been optimally capitalized through the enrichment of the curricula. The departments and committees have contributed in making the curriculum relevant with the required skill-sets and self-learning modules. The activities such as workshops/discussions with experts in the academics have been consulted in the process of upgrading the syllabus. The initiatives in this regard include introduction of CBCS with enhanced academic choices, and integration of projects, internships, human values, skills and competency and entrepreneurial components in the curriculum for developing the expertise in the fields of interest and the holistic development of the students.

The observations recorded by the NAAC peer team during the third cycle of accreditation have been taken as a guiding strategy while drawing the institutional Perspective plan. The post accreditation Perspective Plan of the institute was drawn from 2016 to 2030. The strategic action plans for every year have been prepared in the beginning of each academic year considering the quality indicators of NAAC and also the prospective plan of the college. All the stakeholders of the Institute have contributed to prepare the Perspective plan.

VISION

“To Impart Education for Global Excellence”

MISSION

“Character Building Through Quality Science Education”

OBJECTIVES

- To inculcate in the students a spirit of inquiry, develop abilities of analysis and reasoning, and hence, to obtain verifiable results from observed facts
- To create healthy atmosphere for the advancement of culture, and also for all-round personality development of the youth
- To sensitize the students through value-based education to imbibe human values, patriotism and the optimum utilization of human resources
- To motivate the science undergraduates for higher education and research
- To create scientific basis through the basic science to pursue professional courses
- To provide quality science education to support technology
- To impart continuously updated-advanced knowledge to the students
- To expose the students to need-based courses and subjects relevant to the demands of the time

RLSI - SWOC Analysis

Institutional Strengths

- Visionary, supportive and proactive Leadership
- An 88 years old institution with rich legacy
- Autonomous Status
- Spacious and adequate infrastructure
- Ideal learning ambience
- Rich learning resources including digital resources
- Competent, qualified Faculty and dedicated faculty
- Highly disciplined students
- Adequate ICT infrastructure for teaching and learning
- Various avenues for holistic development of Students
- Academic autonomy boosts faculty to be more creative and explore the potential

Weaknesses

- Space for Expansion in the present Heritage campus is limited
- Declining grant-in-aid to the College by the State Government
- Lack of coordination among multiple regulators
- Researches seldom culminating in patents and products
- No Grant-in-Aid appointments from State Government

Opportunities

- To create Innovation and Entrepreneurial Ecosystem
- Opportunity for Community-oriented programmes
- Opportunity for Incubation centre and Startups
- Openings in the digital mode of learning- online courses
- Enhancing networking with institutions of eminence
- Increased Alumni-engagement for institutional development, placement and collaborations

Challenges

- Establishing Industry-Academia linkage
- Resource mobilization for infrastructure augmentation and research from beyond Government and UGC
- Creating more space for Academic and cocurricular interaction
- Realizing research outcomes in terms of products and patents
- Establishing international collaborations and exchanges
- Upgrading the skills of the students to industrial requirements
- Imparting employability skills and reducing global skill gap

NAAC Recommendations for Quality Enhancement of the Institution (Third Cycle)

- Introduction of more interdisciplinary, multidisciplinary, innovative and job oriented professional courses like Animation, Business Analytics, Fashion Technology, Language Translation, Communication, Clinical Nutrition and Dietetics, IPR etc.
- Organizing Workshops/Conferences in emerging areas
- Taking steps to fill all teaching positions with permanent teachers so that student- teacher ratio be reasonable
- Research culture needs strengthening, Faculty to obtain Minor/Major Projects from UGC, DAE, DST, CSIR, BRNS, ISRO, DRDO, etc.
- Research Centre to be established and MPhil/PhD courses to be introduced
- College should seek for CPE status
- Technology Business Incubator for Entrepreneurship development
- Independent Language Laboratory to be established for communicative skill development
- Dedicated internship with 2-4 weeks industrial/institutional hands-on experience research projects needs to be undertaken for students
- Campus to be made Wi-Fi

RLSI STRATEGIC PLAN OVERVIEW



VISION 2030

1. RLSI aims to become an “Institute of Choice for Science Education & Innovation” by 2030.

Goal I: Perform well in Accreditations, Recognitions and National, International Rankings

Strategy I: To be considered as Institute of Choice for Science education by performing well in NIRF India Rankings, obtaining highest grade in NAAC re-accreditation by 2023.

Strategy II: To be an ISO certified institution by 2025.

Strategy III: To be one among the best Autonomous Institutes in State by providing Academic flexibility and Student centric approaches.

Goal II: Improving Students Diversity in the Campus

Strategy I: Admit at least 5 students from other States of India every year.

Strategy II: Focus on International Collaboration for Student Exchange by 2030.

2. Improve Human Resource Management through continuous professional and capacity development programs for faculty, staff and students.

Goal I: Recruit, develop and retain excellent faculty.

Strategy I: Recruitment will be purely on merit-base by giving preference to candidates with Ph.D. and NET/SET.

Strategy II: Faculty will be provided with continuous professional development programs for tech-enhanced teaching and to update their professional skills.

Strategy III: Support and encouragement will be extended to all the faculty to participate in Research activities and ensure Ph.D. Qualification.

Goal II: Enriching Student Learning Experience & Holistic Development of the students.

Strategy I: Creating pedagogical innovation, integrated and student-centric training.

Strategy II: Confidence Building and Skill enhancement training programs for the students.

Strategy III: Students will be exposed to social realities, experiences and extension activities to obtain service learning.

Strategy IV: By instituting Innovation Cell/Entrepreneurship Development Cell 2021. Students will be exposed to innovation, entrepreneurship, start-ups and hackathons for imbibing innovative expeditions.

Strategy V: Placement of students will be fine-tuned to meet the aspirations of the students and expectations of employers.

Goal III: Ensuring transparency and efficiency by enhancing e-governance strategies in administration and student services.

Strategy I: Implementation of e-governance in Administration, Admission, Finance and accounts by 2018.

Strategy II: Implement Digital evaluation and ERP for LMS and teacher-student activities by 2022.

3. Implement and strengthen academic programs that are responsive to the Vision and Mission of the Institute.

Goal I: Expand the capacity to offer unique Undergraduate & Postgraduate Programmes

Strategy I: Analyze the trends/feasibility to start new academic programs and modify curriculum to the changing world by 2020.

Strategy II: Identify and implement programs and value-added courses for skill development and entrepreneurship.

Strategy III: Train and implement the Outcome Based Education (OBE) in curriculum and syllabus by 2020.

Strategy IV: Promote students and faculty participation to obtain certificates by taking on line courses like SWAYAM, NPTEL and MOOC etc.

4. Enhance Institutional infrastructure to enable effective Teaching-Learning

Goal I: Enhance the infrastructure and facility in tune with changing technological needs

Strategy I: Construction of New BCA Block with all State-of-the-art facilities by 2022.

Strategy II: Establish new Computer lab with ICT facility by 2021.

Strategy III: Establish Language Lab with necessary facilities by 2021.

Strategy IV: Establish Dhanawantari Medicinal Garden by 2020.

Strategy V: Enhance the internet connection bandwidth and Wi-fi to support the 4G and future communication technologies by 2019.

Strategy VI: More than 80% of the classrooms of the institutions will be converted ICT-enabled by 2021.

Goal II: Enhance sustainable, energy-efficient and eco-sensitive infrastructure and facility in tune with changing technological developments

Strategy I: Plans to augment the waste water treatment towards zero discharge by the Chemistry laboratory by 2020.

Strategy II: Enhance the renewable energy sources by deploying Solar panels on all the buildings and become self-reliant by 2030.

Strategy III: More than 90% of Lighting and other electric requirements to be converted to LED lighting, inverter AC and other energy-efficient devices by 2019.

5. Innovation, Research and Entrepreneurial Ecosystem Development

Goal I: Improving physical resources and infrastructure for research input.

Strategy I: Establish Research & Development Cell with Research Promotion Policy by 2019.

Strategy II: Institute Seed money for research by 2023.

Strategy III: Research Centre Recognition from the Parent University by 2020.

Strategy IV: All efforts shall be taken to avail Research Funding from Government and Industry collaborated projects.

Strategy V: Every Department shall establish collaboration with at least one industry / research institution by 2025.

Strategy VI: Consultancy initiatives including training and infrastructure will be strengthened by 2025.



PRINCIPAL
R.L. Science Institute
BELAGAVI-590001

THE NEP 2020 & RLSI PERSPECTIVE PLAN 2030

The National Education Policy 2020

With the release of the New Education Policy (NEP-202), the year 2020 became historically significant for education in India. For any institution to move forward, a fresh strategy was inevitable. Soon after the NEP was published, the Institute has organized many workshops and brainstorming sessions about NEP-2020 and its implications. There was no doubt that we needed to revise and reorient ourselves. It was consistently decided to consolidate the results gained during the 4-year period (2016 - 2020) under VISION 2030, and cast a new perspective plan for the period 2020-2030.

The main focus of NEP-2020 regarding higher education is to transform Higher Education institutions into large multidisciplinary Universities, Colleges, and HEI clusters/Knowledge Hubs, each of which will aim to have 3,000 or more students by 2040. There was an explicit encouragement for faculty and institutional autonomy and a call for diversification of programmes. There was also a restatement of the Vision for Higher Education and a clear spelling out of the expectations about new courses and revamping of present curriculum, pedagogy, assessment, and student support for enhanced student experience. The NEP-2020 has opened before us new opportunities as well as challenges.

The New Education Policy pushes for diversification and expansion in all dimensions. We evaluated the college on the NEP parameters and brainstormed upon the way forward. Expansion without compromising our quality thrust was the goal. This was revised in the light of NEP-2020 parameters advocated in Nov 2021. In addition to NEP mandate on student strength, the NEP parameters visualized by NAAC were added for the discussion below. These include Multi-disciplinarity/Inter-disciplinarity, Academic Bank of Credit (ABC), Skill Development, Appropriate integration of Indian Knowledge System, Focus on Outcome based Education (OBE) and Distance Education/ Online learning.

1. Higher Education Institution fostering 3000 students

“The main thrust of this policy in Higher Education is to end the fragmentation of higher education by transforming higher education institutions into large multidisciplinary universities, colleges, and HEI clusters, each of which will aim to have 3,000 or more students.”

(NEP 2020, Sec. 10.1, Page 34)

Strategy

Presently our student strength is about 1500, comprising of Undergraduate & Postgraduate Programmes offering courses in Science discipline.

RLSI was convinced that by 2030 will have a multi- disciplinary approach with over 3000 students.

To achieve this target, we need to increase the number of courses by introducing courses in Liberal Arts, Fine Arts and finance literacy in a self-financing stream.

Perspective Plan 2030

- Prepare plan for new courses
- Plan for blended/online/ODL modes of teaching-learning
- Plan for integration of self-financing courses

2. Multidisciplinary / interdisciplinary

“Moving to large multidisciplinary Universities and HEI clusters is the highest recommendation of this policy regarding the structure of higher education. An Autonomous Degree-granting College will refer to a large multidisciplinary institution of Higher learning that grants Undergraduate degrees and is primarily focused on Undergraduate teaching though it would not be restricted to that and it need not be restricted to that and it would generally be smaller than a typical university.”

(NEP 2020, Sec. 10.2 and 10.3, Page 34)

Strategy

From our inception, we have been a Science institute with 14 UG & 3 PG Programmes. Research and Innovation has also progressed on mono-faculty lines.

Presently we are a predominantly Science Institute. Hence, a crucial question that needs to be answered is whether we are willing to or need to venture into Liberal Arts, Fine Arts etc. Other areas that need to be considered are interdisciplinary courses and interdisciplinary research and innovation. We realize that interdisciplinarity and multi-disciplinarity are recognized as drivers in solving complex problems of the world. Also, having, diverse disciplines on the same campus, will provide a holistic perspective to students. Hence, we thought it best to capitalize on our strength by introducing multidisciplinary/ interdisciplinary courses.

RLSI's Strategy is to promote multidisciplinary/ interdisciplinary courses Programmes/Courses by expanding its reach through the self- financing stream to include Science, Liberal Arts, Fine Arts, Finance etc.

Perspective Plan 2030

- Prepare plan for new interdisciplinary courses
- Establish self-financing courses that offers multi-disciplinary courses
- Promote collaborations in interdisciplinary areas
- IIC of the Institute to focus on interdisciplinary start-ups and incubations by collaborating with various educational institutions

3. Academic Bank of Credits (ABC) & Multiple-entry exit provisions

Strategy

The Institute currently offers Credit-Based Scheme for Undergraduate and Postgraduate programmes. Right now, we are not practicing credit transfer system.

RLSI truly aspires to become an Institution of Choice by creating ABC and the multiple entry-exit system. As per the guidelines we are eligible to register on ABC portal of the government.

RLSI's Strategy is to register on Academic Bank of Credits to initiate the process.

Perspective Plan 2030

- Reorganize curriculum as per NEP making room for horizontal mobility across
- Mechanism for multiple entry-exit systems and interdisciplinary components

4. Skill development component

Strategy

Presently, we are lacking vocational courses. We have a value-added courses and skill enhancement courses in the curriculum, but none of them are aligned with National Skills Qualifications Framework.

Skill development courses are crucial to enhance employability of our students. Planned to integrate skill enhancement courses, other soft skills and value education courses into traditional courses.

RLSI's Strategy is to design skill enhancement courses, soft skills and value education courses in RLSI with value contribution and integrate them into curriculum.

Perspective Plan 2030

- Study the demand for skill enhancement courses and soft skills
- Identify and design Curriculum and Pedagogy (Blended mode)
- Making skill enhancement courses mandatory for all students
- Collaborations with industry/skilled persons.

5. Integration of Indian Knowledge system (Indian culture & teaching in Mother Tongue)

Strategy

All courses in the Institute are delivered in English except Languages. Few courses in Languages and Indian Constitution Course deal with Indian culture and tradition. Celebrations and commemorations related to Indian culture are undertaken. However more focussed programmes in this area is required.

More courses should be added to foster Indian culture and tradition.

RLSI's Strategy is to include activities to preserve and promote Indian languages and Indian ancient traditional knowledge, Indian Arts, Culture and traditions.

Perspective Plan 2030

- Design programme plan for promotion of Indian Language, Tradition and Culture
- Conducting and visiting exhibitions for cultural heritage, Talks on traditions and culture etc.



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