DETAILED PROJECT REPORT
for the proposed
RAJALAKSHMI DEEMED TO BE UNIVERSITY
Chennai

Submitted by
RAJALAKSHMI UNIVERSITY TRUST
Chennai – 600 010
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Innovators &amp; Leaders: The essence of RAJALAKSHMI</td>
<td>05</td>
</tr>
<tr>
<td>Advisory Council</td>
<td>06</td>
</tr>
<tr>
<td>Executive Summary</td>
<td>07</td>
</tr>
<tr>
<td>Preamble</td>
<td>09</td>
</tr>
<tr>
<td>The Sponsoring body and Objectives</td>
<td>12</td>
</tr>
<tr>
<td>Philosophy of Rajalakshmi Deemed to be University</td>
<td>15</td>
</tr>
<tr>
<td>The Vision and Objectives of the proposed institution</td>
<td>16</td>
</tr>
<tr>
<td>Milestones</td>
<td>17</td>
</tr>
<tr>
<td>Academic Strength and Accomplishments</td>
<td>19</td>
</tr>
<tr>
<td>Research Expertise and Achievements of the Institutions</td>
<td>21</td>
</tr>
<tr>
<td>Centres of Excellence</td>
<td>21</td>
</tr>
<tr>
<td>Best Practices</td>
<td>24</td>
</tr>
<tr>
<td>NIRF Ranking 2021, 2022 &amp; 2023</td>
<td>29</td>
</tr>
<tr>
<td>Infrastructure</td>
<td>31</td>
</tr>
<tr>
<td>The Proposed Programmes</td>
<td>32</td>
</tr>
<tr>
<td>15-Year Strategic Vision Plan</td>
<td>37</td>
</tr>
<tr>
<td>Academic Plan</td>
<td>40</td>
</tr>
<tr>
<td>Faculty Recruitment Plan</td>
<td>42</td>
</tr>
<tr>
<td>Student Admission Plan</td>
<td>44</td>
</tr>
<tr>
<td>Research Plan</td>
<td>46</td>
</tr>
<tr>
<td>Information and Communication Technology (ICT) Plan</td>
<td>48</td>
</tr>
<tr>
<td>Infrastructure Development Plan</td>
<td>50</td>
</tr>
<tr>
<td>Finance Plan</td>
<td>53</td>
</tr>
<tr>
<td>Administrative Plan</td>
<td>57</td>
</tr>
<tr>
<td>Governance Plan</td>
<td>59</td>
</tr>
<tr>
<td>SAOC Analysis</td>
<td>61</td>
</tr>
<tr>
<td>Conclusion</td>
<td>65</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Full Form</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>AERB</td>
<td>Atomic Energy Regulatory Board</td>
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<td>AI</td>
<td>Artificial Intelligence</td>
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<td>AICTE</td>
<td>All India Council for Technical Education</td>
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<td>CAT</td>
<td>Continuous Assessment Test</td>
</tr>
<tr>
<td>CEMMF</td>
<td>Centre of Excellence in MEMS &amp; Microfluidics</td>
</tr>
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<td>CFD</td>
<td>Computational Fluid Dynamics</td>
</tr>
<tr>
<td>CGPA</td>
<td>Cumulative Grade Point Average</td>
</tr>
<tr>
<td>COA</td>
<td>Council of Architecture</td>
</tr>
<tr>
<td>CRISIL</td>
<td>Credit Rating Information Services of India Limited</td>
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<tr>
<td>CSRC</td>
<td>Centre for Sponsored Research and Consultancy</td>
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<td>DRDO</td>
<td>Defence Research and Development Organisation</td>
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<td>DSIR</td>
<td>Department of Scientific and Industrial Research</td>
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<td>Department of Science and Technology</td>
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<td>EDC</td>
<td>Entrepreneurship Development Cell</td>
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<td>GER</td>
<td>Gross Enrolment Ratio</td>
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<td>HEI</td>
<td>Higher Education Institution</td>
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<tr>
<td>HPC</td>
<td>High Performance Computing</td>
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<td>ICT</td>
<td>Information and Communication Technology</td>
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<td>iGEM</td>
<td>International Genetic Engineered Machine</td>
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<td>IIC</td>
<td>Institution’s Innovation Council</td>
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<td>IIT</td>
<td>Indian Institute of Technology</td>
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<td>IITM</td>
<td>Indian Institute of Technology Madras</td>
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<td>IJGBMR</td>
<td>International Journal on Global Business Management and Research</td>
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<td>IoT</td>
<td>Internet of Things</td>
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<tr>
<td>IPC</td>
<td>Innovative Project Cell</td>
</tr>
<tr>
<td>IPR</td>
<td>Intellectual Property Rights</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>iSTEM</td>
<td>Indian Science, Technology and Engineering Facilities Map</td>
</tr>
<tr>
<td>LCS</td>
<td>Lecture Capturing System</td>
</tr>
<tr>
<td>MEMS</td>
<td>Micro-Electromechanical System</td>
</tr>
<tr>
<td>MoE</td>
<td>Ministry of Education</td>
</tr>
<tr>
<td>NAAC</td>
<td>National Assessment and Accreditation Council</td>
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<tr>
<td>NBA</td>
<td>National Board of Accreditation</td>
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<td>NEP</td>
<td>National Education Policy</td>
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<td>NIRF</td>
<td>National Institutional Ranking Framework</td>
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<td>NIT</td>
<td>National Institute of Technology</td>
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<td>NPTEL</td>
<td>National Programme on Technology Enhanced Learning</td>
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<td>NTS</td>
<td>Non-Teaching Staff</td>
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<td>NUP</td>
<td>Indian Nanoelectronics Users Program</td>
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<td>OEM</td>
<td>Original Equipment Manufacturer</td>
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<td>REC</td>
<td>Rajalakshmi Engineering College</td>
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<td>RI</td>
<td>Rajalakshmi Institutions</td>
</tr>
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<td>RSA</td>
<td>Rajalakshmi School of Architecture</td>
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<td>RUT</td>
<td>Rajalakshmi University Trust</td>
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<td>SAE</td>
<td>Society of Automotive Engineers</td>
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<td>SHRI</td>
<td>Science and Heritage Research Initiative</td>
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<td>SIH</td>
<td>Smart India Hackathon</td>
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<tr>
<td>SIPCOT</td>
<td>State Industries Promotion Corporation of Tamil Nadu</td>
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<td>SIRO</td>
<td>Scientific and Industrial Research Organization</td>
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<tr>
<td>SOP</td>
<td>Standard Operating Procedure</td>
</tr>
<tr>
<td>SWAYAM</td>
<td>Study Webs of Active-Learning for Young Aspiring Minds</td>
</tr>
<tr>
<td>TCS</td>
<td>Tata Consultancy Services</td>
</tr>
<tr>
<td>TIFAC</td>
<td>Technology Information, Forecasting and Assessment Council</td>
</tr>
<tr>
<td>TS</td>
<td>Teaching Staff</td>
</tr>
<tr>
<td>UGC</td>
<td>University Grants Commission</td>
</tr>
<tr>
<td>UTLP</td>
<td>Universal Technology Learning Platform</td>
</tr>
</tbody>
</table>
INNOVATORS & LEADERS: THE ESSENCE OF RAJALAKSHMI

DR. (MRS.) THANGAM MEGANATHAN
Dr. (Mrs.) Thangam Meganathan is the Chairperson of Rajalakshmi Institutions. A doctorate from the University of Madras in Public Administration, Dr. (Mrs.) Thangam Meganathan has been managing Rajalakshmi Institutions since 1997. An ardent votari of student centric education, academic quality has been a key focus area under her stewardship. She was associated with the education panel of CII, TamilNadu as its convenor.

DR. C.R. MUTHUKRISHNAN
Former Deputy Director, IIT Madras, Advisor, Rajalakshmi Institutions brings in his illustrious experience as an eminent academician, administrator, and expertise in higher education. He has been leading all quality initiatives of Rajalakshmi Institutions.

DR. S.N. MURUGESAN
Principal is an accomplished academician and administrator who has made significant contributions to the field of engineering education. With 25+ years of teaching experience. He has demonstrated a wealth of knowledge and expertise in his field.

DR. M. SUBBIAH
An eminent academician with 50+ years of experience in teaching, research and administration from NIT Trichy. He is currently Professor - Emeritus in REC. Under his able guidance, faculty members and students have accomplished many academic pursuits.

MR. I. PHILIP PRAVEEN
Director – (Training & Placement) and Dean (Student Affairs) holds a masters in Power Electronics & Drives and having 24 years of teaching experience and has successfully conducted several Employability Training Camps for preparing the students to face the placement interviews. Organizes several Value Added Programs for students of all the branches to enrich their practical knowledge, enabling their placement in reputed companies and their pursuits for higher studies.

DR. L. SUJATHA
Head, Centre of Excellence in MEMS & Microfluidics (CEMM) has 30 years of experience in teaching and research. She has established a “Centre of Excellence in MEMS & Microfluidics” at Rajalakshmi Engineering College with sophisticated equipment and Clean Room facilities for in-house fabrication of Microdevices.
Dr. A Sivathanu Pillai, PhD, D.Sc
Founder CEO & MD BrahMos Aerospace
Former Hon’ Distinguished Professor, ISRO
Former Chief Controller (R&D), DRDO
Hon’ Professor, Indian Institute of Technology, Delhi
Visiting Prof. Indian Institute of Science, Bangalore
Former Chairman BOG, NIT, Kurukshetra
DRDO Dr. DS Kothari Chair, Research & Innovation Centre, IIT Madras

Krish Ganesan
Former Global HR Head, TCS
Former VP Human Resources, TCS
Former Global Head, Learning & Development, TCS
Former Director of HR, TCS, North America
Former Head HR, TCS, South India
Former Head HR of TCS UK
Former Senior Industrial Relations Officer, TI Cycles of India
Former Welfare Officer, TVS Motor Company

Jayaramakrishnan K
Director, Manisha Soft Solutions
Former Associate Partner, PillarRocks
Former Director, GiBots. roots innovation
Former Member – PAC, National Skill Development Corporation
Former Advisor | Consultant, Tata Consultancy Services
Former Vice President – Global Alliances, Tata Consultancy Services

GD Sharma
Independent Director, Mercantile Ventures Ltd.
Independent Director, Manali Petrochemicals Ltd.
Independent Director, TAMILNADU PETROPRODUCTS LTD
Principal Consultant, Beeline HR Advisory
Former Chairman, Program Committee, NIPM NATCON 2017
Former President – Human Resources, BGR Energy Systems Ltd.
Former Vice President & Head – People & Orgnisation Development, Larsen & Toubro Limited, ECC Division
Former Vice President – Group HR, Vedanta Resources (Sterlite Group)
Former General Manager (HR), SRA Systems Limited
Former General Manager (Personnel), E.I.D. Parry (India) Ltd.
Executive Summary

This executive summary intends to provide a concise account of vital data on the accomplishments of Rajalakshmi Institutions, in their consistent pursuit of excellence. Rajalakshmi Institutions have been imparting quality higher education in the domains of Engineering & Technology, Management, and Architecture, ever since the inception of the first institution, viz., Rajalakshmi Engineering College in 1997.

REC has received Accreditation from the National Assessment and Accreditation Council (NAAC) in the 3rd Cycle with A++ Grade and a CGPA of 3.62/4.0. Further most of the eligible programs of REC have been accredited by the National Board of Accreditation (NBA). The National Institutional Ranking Framework (NIRF) has been ranking REC consistently and the institution has secured the 86th position under ‘Engineering’ category in NIRF 2023.

Started with an intake of 180 in 3 UG programs in 1997, REC has grown from strength to strength to have an annual intake of 2310 in 19 UG programs and 132 seats under 8 PG programs in Engineering and Technology. The Stand-alone MBA Institution, started in 2002 with 60 seats, has grown to have an intake of 240 seats. Rajalakshmi School of Architecture started in the year 2011 with a single undergraduate programme today offers B.Arch & 2 M. Arch Programmes in Urban Design & Digital Architecture with total intake of 100 students.

The institutions are located in the Chennai –Bengaluru Industrial Corridor amidst OEMs and their ancillary units. The green and eco-friendly campus is spread across 100+ acres with a built-up area of 10 lakh sq. ft.

Research has been always a focus area of the institutions and the consistent work of dedicated researchers has received a total grant of Rs. 25 Crores and Rs.15 Crores in the last five years alone. The faculty team has 199 accomplished doctorates of whom 77 are recognized Research Supervisors approved by the affiliating Anna University. Through active inter-disciplinary collaboration with industries, consultancy revenue of Rs.125.81 lakhs, through 71 Consultancy assignments, has been generated. The research activities have resulted in 1475 publications in Scopus and SCI Journals in the last 5 years with an ‘h’ index of 53. While 168 patent applications have been filed that includes design and process patents, 30 patents have been granted in which 15 of them are process patents and rest of them are design patents. The Department of Scientific and Industrial Research (DSIR), Government of India has recognized REC as a Scientific and Industrial Research Organization (SIRO), since 2008, continuously, validating its R&D accomplishments.
The University Grants Commission (UGC) has granted the recognition under section 12-B to Rajalakshmi Engineering College to receive financial grants from funding agencies.

All the institutions have consistently maintained the track record of 90%+ placement for the past five years. Some of the major recruiters include PwC, Deloitte, Ernst & Young, TCS, Accenture, HCL, Cognizant, WIPRO, Tech Mahindra, ZOHO, Freshworks, Hyundai, Renault Nissan, Saint-Gobain, ZIFO and many more.

Our students have also obtained admissions for their higher studies in prestigious Indian and International institutions which include IIT-Madras, IIT-Delhi, Purdue, Carnegie Mellon, Washington State University, University of Utah, State University of New York, Wisconsin State University, National University of Singapore, Swinburne among many other institutions.

The students have opportunities to learn beyond curriculum through 13 Professional Societies and 12 student clubs. Students have consistently won several accolades in national and international events which include Smart India Hackathon, SAE-BAJA, International Genetic Engineered Machine (iGEM) and many meritorious scholarships from leading institutions and foundations, like The Khorana Scholarship, MITACS Scholarship.

With 25+ years of experience and expertise, Rajalakshmi Institutions have prepared to move forward to the next level of their academic services to become a Deemed to be University under “Distinct Institution” category and this ‘Executive Summary’ is expected to serve as the ‘Gateway’ for the detailed report.

“Let noble thoughts come to us from all directions.”

Rig Veda 1.89.1
The National Education Policy (NEP) 2020 is an ambitious policy document aiming to revolutionize the education system in India. One of the key aspects of the policy is the emphasis on a multidisciplinary approach in education. According to the policy, "Multidisciplinary education shall be, in the long term, the approach of all undergraduate programmes, including those in professional, technical, and vocational disciplines".

Multidisciplinary education is a form of educational strategy that brings together multiple disciplines to create a holistic learning experience. It is designed to foster an understanding of the interconnectedness of various fields and how they can be integrated for better problem-solving. Multidisciplinary education, if implemented in schools and colleges, allows students to gain a deeper understanding of the subject matter through the lens of different disciplines. This approach encourages creative thinking, critical analysis, and develops well-rounded citizens.

By giving the students exposure to multiple disciplines, we can help to understand their chosen field better and develop an appreciation for diverse knowledge systems. This will enable them to become more well-rounded citizens and prepare them for the future. Interdisciplinary is the interaction among two or more different disciplines. This interaction may range from simple communication of ideas to the mutual integration of organizing concepts, methodology, procedures, epistemology, terminology, data, and organization of research and education in a large field.

GREEN CAMPUS

We Pride Ourselves of the over 4300 trees which is equal to 367 tons of oxygen daily and producing enough oxygen for 4 lakh people a day. It stores 138 tons of carbon.
An interdisciplinary group consists of persons trained in different fields of knowledge (disciplines) with different concepts, methods, and data and terms organized into a common effort on a complex problem with continuous intercommunication among the participants from the different disciplines.

In a world faced by challenges and complex problems, it’s more important to find new ways of thinking and doing. Today’s graduates need to be more versatile, more entrepreneurial, and more resilient than ever before. They need to be comfortable with uncertainty and able to navigate complex and fast-changing environments. (Prof. Carl Gombrich, London Interdisciplinary School, 2023)

Interdisciplinary approach in Ancient India:

The University Grants Commission (UGC) has issued guidelines for transforming Higher Education Institutions into multidisciplinary institutions. The guidelines trace the interdisciplinary approach to the days of the Rig Veda.

Aano bhadra krtavo yantu vishwatah
Meaning
Let noble thoughts come from all directions

This profound concept from the Rig Veda illustrates the recognition of limitless learning in the Vedic Period. India has a rich tradition of the multidisciplinary approach since ages, as exemplified by the ancient institutions such as Nalanda and Takshashila. These higher learning centres of ancient India were known for teaching every branch of knowledge, such as singing, painting, chemistry, mathematics; vocational fields such as carpentry, clothes-making; professional fields such as medicine and engineering; and soft skills such as communication, discussion, and debate. Over the centuries the broader learning opportunities got narrowed down and gradually in recent years the focus moved to specialization in particular subjects resulting in the growth of single-stream institutions.

Interdisciplinary approach in India:

Right from the days of the Kothari Commission, interdisciplinary approach has been encouraged by UGC through establishment of Centres in Goa (1963), Kerala (1991) and Punjab (2003)

Prof. Yash Pal Committee Report underscores the importance of multidisciplinary education. The report notes “there is a need to expose students, especially at the undergraduate level, to various disciplines” (Yash Pal, 2009, p. 21). Interdisciplinarity is a fundamental operating assumption for the modern institution, its management, and faculty.

India has domain specific stand-alone colleges and universities. Even in multidisciplinary HEIs, the disciplinary boundaries are so rigid that the opportunities to learn and explore different disciplines are less explored.

Internationally, the culture of establishing and sustaining a multidisciplinary institution is increasing fast, thereby maximizing productivity with enhanced focus towards research and development, innovation, and incubation.
Interdisciplinary Approach

It is therefore pertinent for higher educational systems (HES) to create HEI clusters and multidisciplinary HEIs. The NEP 2020 also suggests opening departments needed for multidisciplinary subjects, including Languages, Literature, Music, Philosophy, Indology, Art, Dance, Theatre, Education, Mathematics, Statistics, Pure and Applied Sciences, Sociology, Economics, Sports, Translation, and Interpretation.

The faculty members of Rajalakshmi Engineering College have also joined in the efforts of the Government of India and contributed to the translation of engineering books from English to Tamil for NPTEL for 360 hours in the domains of Automobile Engineering, Civil Engineering and Information Technology. Three more faculty members are involved in Review and Translation projects assigned by AICTE, Government of India.

Inspired by these initiatives and the AICTE’s encouraging policy on offering technical education in vernacular medium, this DPR proposes to establish a Centre for Technical Education in Tamil, with an objective of bringing out translated works from English to Tamil across engineering disciplines. The Centre envisages quality publications in the form of textbooks and other learning materials for the benefit of engineering students who studied their school education through Tamil medium.

The initiative to offer engineering programs in Tamil medium has been facing challenges due to the inadequate availability of quality textbooks in Tamil for the Undergraduate programs offered. The proposed initiative is expected to fill the existing gap in pursuing technical education in Tamil, thereby helping the students, particularly, from rural and government Schools, contributing to their entrepreneurial pursuits, employment generation for economic development, and ensuring an inclusive growth.

With these progressive initiatives and the support of the Government of India, the member institution(s) under the Rajalakshmi University Trust has proposed to apply for the status of Deemed to be University under ‘Distinct Category’.
The Rajalakshmi University Trust, having its Registered Office at No.69, New Avadi Road, Kilpauk, Chennai - 600010, shall be the Sponsoring body of the proposed Deemed to be University under Distinct Category.

The Trust was established in 2008 to be a Public Charitable and Educational Trust with the following objectives:

01. To provide for Education, instruction, training and to impart knowledge in various branches of learning as the University may deem fit and for the said purposes and offer necessary UG, Graduate and Post Graduate and such other course curriculums.

02. To provide for research, development and for the advancement of and dissemination of knowledge and for the said purposes to establish necessary and adequate infrastructure, research facilities, laboratory, libraries and in general to create a conducive environment to achieve academic excellence.

03. To undertake extra mural studies, extension programmes and field outreach activities to contribute to the development of academics and education.

04. To do all such other acts and things as may be necessary or desirable to further the objectives of the University.

GATEWAY OF OPPORTUNITIES - TURNING PROXIMITY TO PROSPERITY

Located amidst an industrial hub of 22 companies of fortune 500 companies
The University is established for public benefit and accordingly, the objectives of the Institute as set out above will be interpreted and restricted to mean such objectives and purposes as are regarded in law to be public charitable in nature.

Rationale for Starting a Deemed to be University under Distinct Institution Category:
This application to establish Rajalakshmi Deemed to be University emerges from a profound recognition of the evolving landscape of education, as exemplified in NEP 2020 and the imperative to tackle the unique challenges and embrace the opportunities that India faces. Our rationale is built upon the following pillars:

Holistic Learning Philosophy:
Existing institutions have made significant contributions, yet we believe in fostering a holistic learning environment that nurtures not only academic proficiency but also character, leadership, and critical thinking. Rajalakshmi Deemed to be University aims at cultivating well-rounded individuals who are equipped to contribute meaningfully to society.

Cutting-Edge Disciplines:
Rapid advancements in science, technology, and social dynamics require education to remain abreast of emerging fields. Rajalakshmi Deemed to be University is committed to offering programs that embrace interdisciplinary studies, cutting-edge research, and innovative pedagogy.

Global Competence:
As the world becomes increasingly interconnected, we recognize the importance of preparing our students to thrive in a globalized society. Rajalakshmi Deemed to be University will provide international exposure, collaborations, and a global perspective, fostering graduates who are culturally adept and globally competent.

Research and Innovation:
Rajalakshmi Deemed to be University will serve as a crucible of research and innovation, nurturing a culture of inquiry that seeks solutions to local and global challenges. We aim to contribute to India’s scientific and technological advancement while preserving its cultural heritage.

Diversity and Inclusion
We are dedicated to fostering an inclusive community that celebrates diversity and promotes equity. Rajalakshmi Deemed to be University will provide an environment where students, faculty, and staff from varied backgrounds come together to learn, collaborate, and grow in their career and life.

Entrepreneurship and Employability:
Recognizing the need for graduates who are not only job seekers but also job creators, Rajalakshmi Deemed to be University will instil an entrepreneurial mindset. Our programs will empower students to become innovators, leaders, and contributors to India’s economic growth.

Social Responsibility:
Rajalakshmi Deemed to be University is driven by a deep sense of social responsibility. We will encourage students and faculty to engage in community development projects, sustainability initiatives, and social outreach, creating a positive impact on society at large.
Infrastructure and Technology:
Rajalakshmi Deemed to be University will be equipped with state-of-the-art infrastructure, modern learning facilities, and cutting-edge technologies. This will provide an environment conducive to experiential learning, research, and the holistic development of students.

Promotion of Indian Knowledge System:
While embracing progress and innovation, Rajalakshmi Deemed to be University will integrate heritage and cultural learning through its curricular and extra-curricular programs, ensuring a deep appreciation of the nation’s diverse traditions, art and culture through curricular and extracurricular activities; we will strive to instil a deep appreciation for the nation’s diverse traditions, arts, and values.

The National Education Policy 2020
The National Education Policy 2020 envisages a GER of 50 by year 2035 from 26.3 in 2021 through new multi-disciplinary institutions, turning out proficient and skilled graduates to meet the demands of the Digital India in the Amrit Kaal. Further, it expects institutions to focus on holistic learning outcomes and human development. In deference to the postulates of NEP, this initiative of establishing a Distinct Institution has evolved.

In the spirit of nation-building and with a steadfast commitment to excellence, we embark on this journey to establish Rajalakshmi Deemed to be University. We envision Rajalakshmi Deemed to be University as a transformative force that will contribute to shaping the future of education, research, and societal progress of India and its status of 'Vishwaguru' to the World.
Philosophy of Rajalakshmi Deemed To Be University

At Rajalakshmi Deemed to be University, we are driven by the belief that education is a powerful catalyst for individual and societal progress. Our philosophy is rooted in the following principles:

01. We view education as a holistic process that nurtures not only intellectual growth but also the development of character, values, emotional intelligence, and physical well-being.

02. We champion innovation in teaching, research, and practices. We strive for academic excellence while fostering a culture of continuous improvement and adaptability.

03. We embrace the interconnectedness of knowledge and encourage interdisciplinary learning. Our curriculum and research programs bridge traditional disciplines to address complex real world challenges.

04. In an interconnected world, we imbue our students with a global outlook. We facilitate cross-cultural understanding, collaboration, and awareness of global issues.

05. We emphasize the importance of ethical conduct and responsible leadership. Our graduates will be equipped to navigate complex ethical dilemmas and contribute positively to society.

06. We believe that research should create lasting impact. Our faculty and students engage in research that addresses societal needs, advancement of knowledge, and driving innovation.

07. We recognize our responsibility to society. Through community engagement initiatives, our students and faculty actively contribute to addressing local challenges and promoting social wellbeing.

08. We celebrate diversity in all its forms. Our inclusive environment values different perspectives, experiences, and backgrounds, fostering a rich and vibrant learning community.

09. We are committed to environmental and social sustainability. Our campus practices and educational initiatives reflect our dedication to creating a greener and more equitable future.

10. Our commitment to education extends beyond formal degrees. We encourage lifelong learning by offering opportunities for continuous skill development, personal growth, and enrichment.
The Vision of The Proposed Institution

To be a Multi-disciplinary Educational and Research Institution of Excellence with a national outlook and global impact.

The Objective

To form a cluster of existing institutions and as a Distinct Institution, to impart knowledge, skill and applications in Engineering & Technology, Management, and Architecture.

To promote collaborative research, driven by inter-disciplinary approach, with top national and international institutions from Industry and Academia, leading to products and solutions to complex societal problems.

To strengthen the institutional (academic & research) infrastructure and financial support to the Distinct Institution in offering world class multidisciplinary education and research.

Partner Institutions


Rajalakshmi Engineering College (MBA), is stand-alone MBA Institution, approved by AICTE and established in 2002, offering MBA program, with an annual intake of 240 seats.

Rajalakshmi School of Architecture, established in 2011, with an annual intake of 60 seats in B.Arch. and 20 seats each in M.Arch. Digital Architecture and M.Arch. Urban Design.

The combined annual intake of the partner institutions is 2782.

LAUNCHPAD FOR SUCCESS

Consistent 90% placement record

Amazon, Freshworks, TVS & Many More
MILESTONES OF THE PARTNER INSTITUTIONS

Milestones

1997
Established with 3 UG programs having annual intake of 180 seats.

2001
ISO 9001: 2000 Certification by TUV Suddeutschland, Germany

2003
Two PG programs were introduced

2004

2002
First batch graduated

2005
Sanction of TIFAC-CORE in 'Machine Vision' by DST : Industrial Consultancy Project for MANDO Brakes

2006
NBA Accreditation for 3 eligible programs

2009
Accreditation by Tata Consultancy Services (TCS)

2009

2010
Establishment of MEMS Design Centre

2011
Recognition as SIRO by DSIR, DST, Govt. of India

2013

2013
Research Centre status by Anna University 2007:
Accredited by NAAC

2014
Re-accreditation by NAAC

2015

2015
REC-Bosch Collaboration

2016

2016

2017

2017
Institution First Rank and Gold medal for 4 programs

2018
Received 12-B Recognition from UGC

2019

2019

2020

2020

2021

2022

2022

2023

2023

2021

2021

2021

2021

2021

2021

2021

2021

2021

GATET Funding for 1.25 Crores

Joint Certification Centre with Wipro UTLP

Granted Autonomous status by UGC

FIST Funding of 1.3 Crores

Re-accreditation of 7 programs by NBA

DST Funding of 1.25 Crores from CEMMF

Ranked in the 101-150 band by NIRF

Research Grant of 1.30 Crore by DST

Research Funding of 2.12 Crores for SHRI Project

Accredited by NAAC with A++ and a CCPA of 3.62/4.0

Granted 7 Patents by IPR India-Patent Division

Ranked at 95th position by NIRF

AICTE IDEA Lab Funding of 1.1 Crore

Ranked at 88th position by NIRF
Rajalakshmi Engineering College (MBA) – A stand-alone MBA Institution

- 2002: Established with an intake of 60 seats
- 49 institution ranks till date since the inception of the Department in 2002
- Rated ‘A+’ by Business India
- A’ rating by CRISIL
- Classified as a leading business school in India by Dun & Bradstreet
- International Bi-Annual print journal named IJGBMR (INTERNATIONAL JOURNAL ON GLOBAL BUSINESS MANAGEMENT AND RESEARCH) is published since August 2012
- Increased intake approved by the AICTE from 120 to 240 seats in 2023

Rajalakshmi School of Architecture

- Established in 2011 with an intake of 40 seats through the approval of the Council of Architecture, New Delhi
- RSA Students regularly feature in the top 20 Anna University Rank list.
- One of RSA’s students was adjudged the JK AYA Young architect of the year 2019.
- Every year a large number of our alumni are admitted into post graduate courses in prestigious universities across India, United States, UK, Europe, Singapore, Australia, New Zealand, Canada, etc.
- Prof. R. Kalaiselvi was granted a project with a funding of Rs. 489.39 lakhs for her research work on Technology Interventions for Indigenous Handcrafted Products of Tamil Nadu.
<table>
<thead>
<tr>
<th>Sl No</th>
<th>Industry</th>
<th>Domain Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AICTE Margadharshan</td>
<td>11 Mentee Institutions</td>
</tr>
<tr>
<td>2</td>
<td>Blue Prism University</td>
<td>Robotics and Automation</td>
</tr>
<tr>
<td>3</td>
<td>Bosch India</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>4</td>
<td>Eppendorf India Pvt. Ltd</td>
<td>Biotech</td>
</tr>
<tr>
<td>5</td>
<td>FSMS Pvt Ltd – Apollo Hospitals Group</td>
<td>Fintech &amp; Management</td>
</tr>
<tr>
<td>6</td>
<td>Festo India</td>
<td>Automation</td>
</tr>
<tr>
<td>7</td>
<td>Garuda Aerospace Pvt Ltd</td>
<td>Drone Technology</td>
</tr>
<tr>
<td>8</td>
<td>GitHub</td>
<td>Cloud Computing</td>
</tr>
<tr>
<td>9</td>
<td>ICT Academy</td>
<td>Computing</td>
</tr>
<tr>
<td>10</td>
<td>Industrial Waste Management Association</td>
<td>Environmental safety</td>
</tr>
<tr>
<td>11</td>
<td>Intrinsic Herbal laboratory</td>
<td>Herbal Medicines</td>
</tr>
<tr>
<td>12</td>
<td>Komaki Electric Scooter</td>
<td>EV – Clean Energy</td>
</tr>
<tr>
<td>13</td>
<td>Oracle Academy</td>
<td>Computing</td>
</tr>
<tr>
<td>14</td>
<td>QMAX Systems</td>
<td>Emerging Technologies</td>
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<tr>
<td>15</td>
<td>Right Renewables</td>
<td>Renewable Energy</td>
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<tr>
<td>16</td>
<td>Tata Consultancy Services</td>
<td>Computing</td>
</tr>
<tr>
<td>17</td>
<td>The Voluntary Health Services</td>
<td>Healthcare</td>
</tr>
<tr>
<td>18</td>
<td>Ui Path Academic Alliance</td>
<td>Robotics and Automation</td>
</tr>
<tr>
<td>19</td>
<td>Vaayusastra Aerospace Pvt Ltd</td>
<td>Aerospace</td>
</tr>
<tr>
<td>20</td>
<td>WIPRO GE Healthcare</td>
<td>Healthcare</td>
</tr>
<tr>
<td>Country</td>
<td>Institution Name</td>
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<tr>
<td>USA</td>
<td>Michigan State University</td>
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<tr>
<td>USA</td>
<td>University of Wisconsin - Stout</td>
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<tr>
<td>USA</td>
<td>Northern Arizona University</td>
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<td>USA</td>
<td>San Francisco State University</td>
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<td>USA</td>
<td>UC Berkeley Extension</td>
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<td>USA</td>
<td>University of Utah</td>
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<td>USA</td>
<td>University of Texas at Dallas</td>
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<td>USA</td>
<td>Binghamton University</td>
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<td>USA</td>
<td>Moscow Aviation Institute</td>
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<tr>
<td>AUS</td>
<td>SWINBURNE Institution</td>
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<tr>
<td>ROM</td>
<td>Technical University of Cluj</td>
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<tr>
<td>BRA</td>
<td>Universidade Federal Juz De Fora</td>
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<tr>
<td>BRA</td>
<td>Universidade Pauusta - UNIP</td>
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<tr>
<td>ESP</td>
<td>University of Coruna</td>
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<td>UK</td>
<td>University of Plymouth</td>
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<td>TUR</td>
<td>Altinbas University</td>
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<tr>
<td>TUR</td>
<td>Istanbulpul Gedik University</td>
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</tbody>
</table>
Research Expertise and Achievements of the Institutions

Since its inception, Rajalakshmi Institutions have been focussing on Research and Development activities. The institution has supported research, innovation and extension activities by the faculty and students of the college from early years since inception. Faculty are supported with seed funding by management to start, initiate and establish research activity. Guidance is provided to faculty who aspire to submit proposals to various funding agencies. REC is certified by Department of Scientific and Industrial Research (DSIR) as a Scientific and Industrial Research Organization (SIRO). It also has the 12 (B) status by UGC to receive research grants. Nine departments of REC have research centre approvals from Anna University and 71 faculty members are registered research supervisors under Anna University.

REC received a total of **Rs. 25 Crores** of sponsored research grants from various funding agencies such as DST, DRDO, AERB, BRNS, ICMR, UGC, AICTE etc. and out of which, **Rs.15 Crores** was received in the last 5 Years.

Active research is being carried out in the domains of Micro Electro Mechanical Systems (MEMS) sensors, Microfluidics for Lab-On-Chip applications, Sustainable Construction Materials, Computational Fluid Dynamics, Development of antibiofilms, Technology interventions for Indigenous Handcrafted products of Tamil Nadu, Extraction of bio-active phycocolloids from sea-weed, Bioinformatics, Assistive Technologies, and Speech Processing etc. REC is an active collaborator in the Indian Institute of Technology Madras – Indian Nano-electronics Users Program (IIT-MINUP) program and also registered under Indian Science Technology and Engineering facilities Map (ISTEM). A number of collaborative research works are being carried out by faculty members with Universities abroad, National Research Laboratories, Premier Research Institutes and with Industries. Faculty members are encouraged and recognized with incentives for securing research grants on Research & Consultancy Day celebration every year.

In carrying out active research projects in the identified core areas, Centres of Excellence play a vital role. The institutions under the Trust have established 15 Centres of excellence to pursue research. Details of the Centres are presented as below:

**Centres of Excellence**

**15 Centers of Excellence** have ignited and expanded the research and development activities among faculty and students. This has resulted in sponsored projects from Government funding agencies to the tune of **15 Crores** and **71 consultancy assignments** with industries, generating a revenue of **125 Lakhs** during the period. This has also enabled the students to successfully participate in hackathons, design and project competitions and won prizes.

<table>
<thead>
<tr>
<th>SI No</th>
<th>Name of The Center</th>
<th>Research Publication</th>
<th>Research Fund</th>
<th>Consultancy</th>
<th>Patents &amp; Innovation</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Centre of Excellence in Assistive Technology</td>
<td>2 Research papers</td>
<td>128.68 Lakhs</td>
<td></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>Centre of Excellence in Biofilms</td>
<td>9 Research papers</td>
<td>35 Lakhs</td>
<td></td>
<td>21 Bacterial DNA Sequences + 8 Bacterial cultures deposited</td>
<td>9</td>
</tr>
<tr>
<td>Sl No</td>
<td>Name of The Center</td>
<td>Research Publication</td>
<td>Research Fund</td>
<td>Consultancy</td>
<td>Patents &amp; Innovation</td>
<td>Projects</td>
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<tr>
<td>3</td>
<td>Centre of Excellence in Computational Fluid Dynamics</td>
<td>12 Research papers</td>
<td>71.72 Lakhs</td>
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<td>6</td>
</tr>
<tr>
<td>4</td>
<td>Centre of Excellence in Data Science</td>
<td>39 Research papers + 7 Book chapters</td>
<td>5.76 Lakhs</td>
<td></td>
<td></td>
<td>20</td>
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<tr>
<td>5</td>
<td>Centre of Excellence in Digital Manufacturing</td>
<td>5 Research papers</td>
<td>1</td>
<td>2 Patents Filed</td>
<td></td>
<td>3</td>
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<tr>
<td>6</td>
<td>Centre of Excellence in Electric Vehicle</td>
<td>5 Research papers</td>
<td>10 Lakhs</td>
<td>2 Patents Filed</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>Centre of Excellence in Embedded System Technologies</td>
<td>4 Research papers</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Centre of Excellence in Food Products and Process Design</td>
<td>10 Research papers</td>
<td>7.48 Lakhs</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Centre of Excellence in Internet of Things (IoT)</td>
<td>7 Research papers</td>
<td>1</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>10</td>
<td>Centre of Excellence in Jet Flows</td>
<td>31 Research papers</td>
<td>26.04 Lakhs</td>
<td></td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>11</td>
<td>Centre of Excellence in Machine Vision</td>
<td>27 Research papers + 3 Book Chapters + 1 Book</td>
<td>24</td>
<td></td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>12</td>
<td>Centre of Excellence in MEMS &amp; Microfluidics</td>
<td></td>
<td>683.276 Lakhs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Centre of Excellence in Renewable Energy Systems</td>
<td>11 Research papers</td>
<td>15.5 Lakhs</td>
<td></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>Centre of Excellence in Sustainable Construction Materials</td>
<td>24 Research papers + 2 Book Chapters</td>
<td>89.92 Lakhs</td>
<td>5</td>
<td>1 Patent Granted</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Centre of Excellence in Medical Imaging</td>
<td>01 Research papers</td>
<td>2</td>
<td></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>
The Centre for Sponsored Research and Consultancy of Rajalakshmi Engineering College and the Rajalakshmi School of Architecture received a Research Project on “Technology Interventions for Indigenous Handcrafted Products in Tamil Nadu” from the Ministry of Science and Technology with a grant of Rs.489.39 Lakhs in February 2020 and completed the project in December 2022.

The Beneficiaries of the project are:

- Thanjavur Art Plate Artisans
- Swamimalai Bronze Craftsmen
- Ayempettai Kuthni Weavers
- Thanjavur Veena making Craftsmen
- Nadhaswaram Craftsmen
- Coconut shell Craftsmen
- Tamil Pann Isai Musicians
- Sea shell Craftsmen
- Pattamadai Mat Weavers
- Palm leaf Craftsmen
- Pith model making Craftsmen
- Thanjavur Art Plate Artisans

The project is an outstanding example of how the research potential and expertise of Rajalakshmi Institutions could provide the technology interventions to Artisans, rejuvenating the ancient crafts to survive and sustain besides preserving the knowledge and skills of these precious craft.

The Ministry of Science and Technology has posted the success story in its website under the following link: https://dst.gov.in/traditional-art-products-tamil-nadu-revived-exploring-its-scientific-properties
A Glimpse of Some of The Best Practices

Best Practice – I: IMPARTUS – Lecture Capturing System

OBJECTIVES OF THE PRACTICE
The primary goal of the IMPARTUS Lecture Capturing System is to improve the Teaching-Learning Process. Through an online web interface, the platform enables teachers to record, update, and share content offline. Students get access to the classroom video teaching through an online portal "anywhere, anytime" for gaining deeper knowledge of their subjects.

CONTEXT
To conduct classes online, REC acquired licences for Google Workspace for Education. Being a technology-enabled institution, REC introduced the Lecture Capturing System (LCS) in 2019. This improved students’ learning experience and help faculty members to provide effective and better content.

Students benefit from further exposure beyond the classroom. Using the Impartus Portal, it is possible for slow-learners to advance by learning at their own pace. It helps all students for recapitulation and for recitation.

2020 – 21
285102 MINUTES
37224 LECTURES

2021 – 22
331074 MINUTES
39312 LECTURES

2022 – 23
450224 MINUTES
49005 LECTURES

NO OF VIDEO LECTURES
NO OF MINUTES VIEWED
PRACTICE
Faculty can record, edit, and share knowledge using the Impartus video & audio based learning platform. It allows students to review class content anytime anywhere, including on their mobile-phones and thus helps in understanding better. The Impartus provides robust security measures for identity-based access for students and faculty. The Impartus, in addition to, lecture capture, remote access, live streaming, also has features for attachments, notes, video-editing, bookmarks, search, playlists, and other unique capabilities like off-line chat box.

Every classroom is equipped with camera and audio-capture, and teachers use a rope microphone unobtrusively placed around their neck. The lecture with the board and display is recorded. The lecture captured by the Impartus is placed in the faculty login to edit and publish.

EVIDENCE OF SUCCESS
Students have facility to access the content through their individual student login. Our students find it useful while preparing for the Continuous Assessment Tests (CAT), End semester examinations as well as for questions seeking clarification. The log details of students accessing the Impartus portal can be viewed in a dash-board.

Impartus has resulted in improved scores in the CAT. Faculty members can view and improve their teaching. Further, faculty-mentors are assigned to younger faculty to guide them to improve in pedagogy using Impartus recordings as input.
REC has established Centres of Excellence and Centre for Sponsored Research and Consultancy (CSRC) to support Research and Consultancy by faculty and students.

All project proposals written by the faculty are vetted by a panel of experts whose valuable suggestions help in obtaining approvals. Students are encouraged to do projects of high calibre using research facilities available in the college and best projects are awarded with prizes and certificates. Students and faculty are motivated in interdisciplinary research through Centres of excellence in High-Speed Jet Flows, Medical Imaging, Biofilms, Assistive technologies, Data Science, Renewable Energy, Electric vehicle, Food products and process design, Internet of Things (IoT), Digital manufacturing and CFD and through CSRC in MEMS and Microfluids Machine vision, Sustainable construction materials.

Through Centres of Excellence various upskilling programs for Faculty members are conducted in emerging thrust areas for capacity-building.

Through Centres of Excellence, Students take up in-plant training during summer and winter vacation.

To promote Consultancy work, faculty are supported to get in touch with leading industries of their specialisation and find opportunities for collaborative research and consultancy activities. The IPR cell provides guidance for students and staff for developing and filing patents arising from research and consultancy carried out through the Centres of Excellence.

REC has engaged a professional patent consultant to guide on patents; we have registered 105 patents out of which 15 are granted and 51 published in past 5 years.

Accomplishments of the Centres of Excellence and activities comprise improved indicators in Publications, Research, Consultancy and NIRF rank Overall, 65 projects have been awarded to REC during past five years from AICTE, UGC, DST, DRDO and other government Agencies.

Overall Rs.125.81 lakhs fund have been generated from Consultancy in the past seven years. Faculty members and students work in research and consultancy projects; this improves team work and inter-departmental collaboration.

Students are allowed to earn 3 credits by participation in consultancy projects in lieu of one professional elective.
Comparison of Faculty Publications Year wise from 2016 to 2022 Innovation projects and Patents

Students are encouraged to participate in activities of the centres of excellence. Best projects on computing and mechanical streams are selected and funded to convert the idea to product. REC has established Institution’s Innovative Council (IIC) to motivate and arrange workshops and competitions to further innovation in REC.

Curriculum includes Innovative projects as mini projects as well as Capstone projects to be carried out in the Centres of Excellence – such projects may also be part of consultancy engagements. College has an Entrepreneurship Development Cell which helps and educate students to convert their innovative ideas to startups

Students have won Smart India Hackathons and Industry Hackathons and project competitions to prove their innovation through projects and coding. Students are provided ample opportunities to do projects in the laboratories having state of art equipment. Best projects are awarded prizes and supported for further development. Viable projects are taken forward for patenting.
 OPERATION OF INSTITUTE INNOVATION COUNCIL

UNLEASHING INNOVATION

IPC
Innovative Project Cell
ESTD: 2003
iQuest Event-Project competition
APJ Abdul Kalam Award
Srinivasan Ramanujam Award
Recommendation for patenting

EDC
Entrepreneur Development Cell
ESTD: 2009
Enactus
Alumni startups
Alumni guest lectures
incubation

Institution’s Innovation Council

Designer Consortium

EDC: 2017
Hackathon
Ideathon
Workshops
Cross Discipline Clubs
Technology assistance
given to all departments
Collaborative research

Departments

Intellectual Property Rights Cell
ESTD: 2021
Awareness Sessions
Monitoring & Accelerating the filing of patents

ESTD: 2021
Design thinking
Innovation
Startups
Field Trips
Sabbaticals
Internship
Smart India Hackathon
FDP
Conferences

Rajalakshmi Institutions
Because the World needs you...
Indicators from NIRF Ranking 2021, 2022 & 2023

Improvement in Graduate Outcomes, Research, Consultancy, Publications have propelled REC to Top 100 NIRF Ranks. The NIRF ranking of REC was 110 in 2021 and in 2022 it improved to 95. In 2023, the rank improved further to 86th, firming up its consistent progress. The link to the NIRF 2023 ranking for Engineering category is given below:


National Assessment and Accreditation Council (NAAC)

SETTING NEW STANDARDS
OF QUALITY EDUCATION!

HIGHEST GRADE

A++
Grade

ACCREDITED BY

NAAC

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

2007
B Grade

2016
A Grade

2022
A++ Grade
National Board of Accreditation (NBA)

ENSURING CONSISTENT QUALITY

2004
Computer Science and Engineering
Electronics and Communication Engineering
Mechanical Engineering

2006
Electrical and Electronics Engineering
Information Technology

2009
Biotechnology

2014
Aeronautical Engineering
Automobile Engineering
Biomedical Engineering

2019
Biotechnology (PG)
Civil Engineering

2022
Mechatronics Engineering

*All programmes have valid accreditation till 2025
Well ventilated 171 classrooms and tutorial rooms along with 12 seminar halls and conference halls are available, of which 65% are equipped with LCD / Lecture Capturing System / Interactive Panel facility.

All the classrooms are Wi-Fi enabled with 1155 Mbps bandwidth from Internet Service Providers (Tata and Vodafone Idea).

Wi-Fi enabled campus including classrooms, laboratories, hostels, cafeteria and seminar halls. Well-equipped laboratories with current technology for practical, project, demonstration.

1635 computers are available for students’ usage with a ratio of 4:1.

Rs. 3045.71 Lakhs in average (50.79 %) allocated and utilised for infrastructure augmentation in last 5 years.

Library facilities are available in the campus with 64730 books and 7000+ ebooks along with subscription to 2290 e-journals. An automated library system - Libsoft is used for in-house operations. Access to e-books, ejournals, eShodhSindhu, Shodhganga is available for all students and faculty.

Rajalakshmi Institutions invest an average of Rs. 32 lakhs per annum for library resources. The college has facilities for e-content development – Impartus with recording, editing and hosting capabilities.

Rs 2389.84 Lakhs (39.6%) in average is utilised from the annual budget to upgrade and maintain infrastructure.

Rajalakshmi Institutions encourage sports activities and the department of Physical Education takes care of organising and coordinating all the sports activities. The facilities for sports activities include Futsal, Basketball, Tennis, Football, Volleyball, Kho-Kho, Badminton, Cricket, Table tennis and Chess. Separate Gymnasiums are available for male and female students.

Rajalakshmi Institutions have campus facilities like health centre, qualified counsellor, ATM, canteens, purified RO water, photocopying outlets and stationery shop operating for the benefit of students.

The college has a separate transport department with a fleet of 91 A/C and 24 non A/C buses commuting to all parts of Chennai and neighbouring districts.

Complementary transportation and lunch are provided to the faculty and staff.

College has 61.75 KW Solar PV System and 50KW inverter support.

For the estimated target of an additional strength of 750 students, necessary instructional (academic and research), amenity and residential infrastructure will be created, through an investment of 15 Crores approximately.
The Proposed Programmes

Equipped with the experience and expertise gained over a period of 25+ years, the Rajalakshmi Institutions have embarked on a mission to become a deemed to be university in consonance with the UGC (Institutions Deemed to be Universities) regulations 2023 announced by the University Grants Commission in June 2023. The proposed plan envisages to establish an institution of higher learning and research through multi-disciplinary approach by offering programmes blended with Engineering and Technology, Management, Architecture, Arts, Humanities, Social Sciences and Culture. The sponsoring body is firmly determined to provide a unique interdisciplinary learning experience to the aspiring youth, considering the academic versatility expected by the industries across the world. In this direction, 14 programmes have been designed with curriculum and syllabi for the proposed institution under distinct category, duly imbibing the tenets of the National Education Policy, 2020.

The proposed programmes will encompass interdisciplinary themes, promote strategic interests of the nation and ensure preservation of Indian cultural heritage, environment besides skill development:

<table>
<thead>
<tr>
<th>Theme</th>
<th>Name of the Course</th>
<th>Level</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Credits</th>
<th>Certification</th>
<th>Diploma</th>
<th>Degree</th>
<th>Honors Degree</th>
<th>PG Diploma</th>
<th>Integrated Masters</th>
<th>Mastersv</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Devices</td>
<td>3. M.Tech. Medical Devices Engineering</td>
<td>Integrated Masters</td>
<td>5 Years</td>
<td>HSC</td>
<td>240</td>
<td>40</td>
<td>80</td>
<td>120</td>
<td>160</td>
<td>NA</td>
<td>200</td>
<td>NA</td>
</tr>
<tr>
<td>Theme</td>
<td>Name of the Course</td>
<td>Level</td>
<td>Duration</td>
<td>Eligibility</td>
<td>Credits</td>
<td>Certification</td>
<td>Diploma</td>
<td>Degree</td>
<td>Honors Degree</td>
<td>PG Diploma</td>
<td>Integrated Masters</td>
<td>Masters</td>
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<tr>
<td>Assistive Technologies</td>
<td>4. M.Tech. Assistive Technologies and Rehabilitation Engineering</td>
<td>PG</td>
<td>2 Years</td>
<td>Any Degree in Engineering / Technology</td>
<td>70</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>70</td>
</tr>
<tr>
<td>Environment and Sustainability</td>
<td>5. B.Tech. Sustainable Engineering &amp; Management</td>
<td>UG</td>
<td>4 Years</td>
<td>HSC</td>
<td>160</td>
<td>40</td>
<td>80</td>
<td>120</td>
<td>160</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Environment and Sustainability</td>
<td>6. M.Tech. Smart Cities and Sustainable Urban Planning</td>
<td>PG</td>
<td>2 Years</td>
<td>B.Arch. / B.E. Civil / Environmental Engineering</td>
<td>70</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>70</td>
</tr>
<tr>
<td>Environment and Sustainability</td>
<td>7. M.S. Climate Finance and Green Investments</td>
<td>PG</td>
<td>2 Years</td>
<td>Any Degree</td>
<td>70</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>70</td>
</tr>
<tr>
<td>Science and Technology intervention for preservation of Indian Culture and Heritage</td>
<td>8. PG Diploma in Traditional Architecture and Digital recreation Engineering</td>
<td>Diploma</td>
<td>1 Year</td>
<td>B.Arch. / B.E. Civil, CSE, Mech, B.A. History, Literature, Archeology, B.Sc. Statistics/ Geography / Geology</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Interdisciplinary - Engineering, Humanities &amp; Management</td>
<td>9. PG Diploma in Agile Project Management</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree in Engineering / Technology</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Interdisciplinary - Engineering, Humanities &amp; Management</td>
<td>10. PG Diploma in AI &amp; Cognitive Psychology</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Theme</td>
<td>Name of the Course</td>
<td>Level</td>
<td>Duration</td>
<td>Eligibility</td>
<td>Credits</td>
<td>Certification</td>
<td>Diploma Degree</td>
<td>Honors Degree</td>
<td>PG Diploma</td>
<td>Integrated Masters</td>
<td>Mastersv</td>
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<tr>
<td>Interdisciplinary Engineering, Humanities &amp; Management</td>
<td>9. PG Diploma in Agile Project Management</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree in Engineering / Technology</td>
<td>40</td>
<td>NA</td>
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<tr>
<td>Interdisciplinary - Engineering, Humanities &amp; Management</td>
<td>10. PG Diploma in AI &amp; Cognitive Psychology</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>Interdisciplinary - Engineering, Humanities &amp; Management</td>
<td>11. PG Diploma in Applied Economics &amp; Data Analytics</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td></td>
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<tr>
<td>Interdisciplinary - Engineering, Humanities &amp; Management</td>
<td>12. PG Diploma in Behavioural Economics &amp; FinTech</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary - Engineering, Humanities &amp; Management</td>
<td>13. PG Diploma in Fintech &amp; Consumer Psychology</td>
<td>Diploma</td>
<td>1 Year</td>
<td>Any Degree</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>40</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Traditional Indian Sports</td>
<td>14. B.A. Indian Traditional Sports &amp; Management</td>
<td>UG</td>
<td>3 Years</td>
<td>HSC</td>
<td>120</td>
<td>40</td>
<td>80</td>
<td>120</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>
As an institution of higher learning and research, Rajalakshmi Deemed to be University will focus on cutting edge research, through an interdisciplinary approach to offer Ph.D. programmes. Interdisciplinary Ph.D. programs align with strategic interests such as sustainability, innovation, healthcare, cultural preservation, and societal impact. They offer opportunities for students and faculty to collaborate across disciplines, address complex challenges, and make meaningful contributions to their respective fields. To align with strategic interests and promote interdisciplinary learning at Rajalakshmi University, the following interdisciplinary themes have been identified for Ph.D. programs:

<table>
<thead>
<tr>
<th>1</th>
<th>Sustainable Development and Policy Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>This program can combine environmental science, economics, and policy studies to address sustainability challenges and policy formulation.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>Healthcare Innovation and Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrating medical sciences, business, and technology to foster innovation in effective healthcare management.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Data Science and Social Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Merging data science, sociology, and public policy to analyze data for social good and informed decision-making.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4</th>
<th>Urban Planning and Smart Cities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combining the learnings of Civil Engineering, Architecture, Computing, IoT, AI, etc. in planning and managing the urban infrastructure.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5</th>
<th>Bioinformatics and Genomic Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrating biology, computer science, and medicine to advance genomic research and personalized healthcare.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6</th>
<th>Digital Humanities and Cultural Preservation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blending humanities, digital technology, and archival sciences to digitize and preserve cultural heritage.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>7</th>
<th>Interdisciplinary Energy Systems and Sustainability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combining engineering, environmental science, and economics to develop sustainable energy solutions.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8</th>
<th>Social Entrepreneurship and Innovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrating business, sociology, and public policy to drive social change through entrepreneurship.</td>
<td></td>
</tr>
</tbody>
</table>
THE PROPOSED PROGRAMMES

9 Space Science and Technology Policy
Merging mathematics, physics, engineering, and policy studies to explore the policy implications of space exploration and technology.

10 Advanced Materials and Nanotechnology
Combining chemistry, materials science, and engineering to develop cutting-edge materials and technologies.

11 Interdisciplinary Artificial Intelligence and Ethics
Integrating computer science, ethics, and social sciences to address ethical and societal issues in AI.

12 Cultural Studies and Heritage Management
Blending cultural studies, history, and management to promote and preserve cultural heritage.

13 Interdisciplinary Education and Technology
Combining education theory, psychology, and technology to advance innovative teaching and learning methods.

14 Environmental Economics and Sustainable Business
Merging economics, environmental science, and business studies to explore sustainable business practices.

15 Interdisciplinary Innovation and Design Thinking
Integrating design thinking, business, and technology to foster innovation in various sectors.

16 Technology intervention for Rural and Artisan Economy
Integrating technology for preservation of traditional knowledge, skills, products of rural India and promote the welfare of the artisans.
15-Year Strategic Vision Plan

This 15-year strategic vision plan for Rajalakshmi Deemed to be University aims to transform the institution into a world-class center for education, research, and innovation, while also emphasizing sustainability, community engagement, and long-term financial stability. Flexibility and adaptability will be essential to respond to changing educational landscapes and global challenges.

Year 1–3: Foundation and Expansion (2023–2026)

1. Academic Excellence
   - Develop a unique and an interdisciplinary curricular framework enabling learners to explore and experience seamless academic navigation across Engineering, Management, Architecture, Arts, Science, Humanities and Culture.
   - Facilitate transformative learning opportunities commensurate with the desired academic rigour and pathways.
   - Incorporate innovative assessment tools imbibing real life simulations, field projects, case studies, product and platform development etc.
   - Recruit and retain diverse and suitably qualified faculty members across interdisciplinary studies from India and abroad.
   - Establish and leverage partnerships with industry and research institutions for high impact academic and research collaborations.

2. Research and Innovation
   - Foster and nurture a culture of interdisciplinary research and innovation among faculty and students.
   - Forge mutually rewarding partnerships with renowned Research Centres towards leveraging the power of cross disciplinary research by securing grants and drive impactful research projects.
   - Apply Interdisciplinary approach towards solving real life problems of Industry and the local community

3. Student Engagement and Support
   - Implement comprehensive student support services including multiple entry and multiple exit, career counselling, cultural assimilation and mental health support.
   - Create frameworks to facilitate access to merit scholarships, fee waivers, access to facilities at subsidised cost.
   - Create and sustain a vibrant and an inclusive campus community through clubs, events, and extracurricular activities.

4. Infrastructure and Technology
   - Upgrade and expand campus facilities, including state-of-the-art classrooms, laboratories, and a modern library to resonate with the requirements of interdisciplinary nature of programs offered
   - Imbibe sustainability as a core practice across all infrastructure developments and maintenance through adoption of smart technologies.
   - Build world class residential facilities that will facilitate active learning and research
   - Invest in cutting-edge technology for enhanced learning, assessments, research and able administrative services.
5. Internationalization
   ◦ Establish and implement collaborative partnerships with global universities for seamless student and faculty exchange.
   ◦ Attract international students to promote diversity and global perspectives on campus.

6. Community Engagement
   ◦ Establish outreach programs to benefit the local community.
   ◦ Promote social responsibility and civic engagement among students.

Year 4–7: Growth and Excellence (2027–2030)

7. Quality Assurance and Accreditation
   ◦ Pursue accreditation from reputed accreditation bodies from India and abroad
   ◦ Regularly review and update programs to meet industry and academic standards

8. Entrepreneurship and Industry Linkages
   ◦ Establish an incubation center to accelerate Faculty and Student start-ups.
   ◦ Strengthen connect with industries to facilitate internships, projects and industrial consultancy leading to enhanced job placements.

9. Global Visibility
   ◦ Increase participation in leading international fairs and conferences and research collaborations.
   ◦ Develop partnerships with renowned global institutions and research centres to facilitate cross pollination of best practices and ideas

10. Sustainability
    ◦ Review and improve sustainable practices on campus, including energy efficiency waste management and reduction.
    ◦ Implement measures to make the Campus Net Carbon Neutral by 2030.

Year 8–11: Leadership and Impact (2031–2034)

11. Leadership Development
    ◦ Invest in leadership programs for faculty and staff.
    ◦ Create opportunities for leadership roles within the university

12. Digital Learning and Innovation
    ◦ Expand online course offerings and embrace emerging educational technologies.
    ◦ Harness the power of hybrid and blended learning models.
13. Endowment and Financial Sustainabi
   ◦ Build a substantial endowment through fundraising campaigns and alumni engagement.
   ◦ Ensure a diversified revenue stream through Industry sponsored chairs etc.

14. Global Recognition and Impact
   ◦ Aspire to be a global leader in select academic disciplines.
   ◦ Continue to expand international collaborations and partnerships.

15. Institutional Governance
   ◦ Strengthen governance structures to cater to the dynamically changing landscape of higher education.
   ◦ Review and revise policies to adapt to changing needs.
Year 1: Foundation and Setup

1. **Establishment and Approval**: Obtain necessary approvals from regulatory authorities and set up the legal and administrative framework of the University.

2. **Faculty Sourcing**: As a Brownfield institution, it will be a blend of existing and new faculty members, oriented towards the academic tasks of the proposed multi-disciplinary University. Recruit a diverse and qualified faculty team with expertise in various disciplines, emphasizing research and teaching excellence.

3. **Curriculum Development**: Design and develop innovative and interdisciplinary curricula for undergraduate, postgraduate, research and certification programs.

4. **Infrastructure Setup**: Develop necessary infrastructure, including classrooms, laboratories, libraries, and technology resources.

5. **Student Recruitment**: Formulate an inclusive and a transparent admission policy that will prescribe standards for admission, scholarships etc. towards recruiting a meritorious and a diverse cohort.

6. **Partnerships**: Strengthen collaborations with existing industry partners, research organizations, and other universities to foster inter-disciplinary research and experiential learning opportunities.

Year 2: Growth and Expansion

1. **Program Launch**: Commence the first academic year, offering a range of undergraduate programs, postgraduate programs, research programs and certification courses.

2. **Quality Assurance**: Implement mechanisms for continuous improvement, feedback collection, and quality assessment of programs.

3. **Research Initiatives**: Establish interdisciplinary research centres, promote faculty research, and encourage student involvement in research projects.

4. **Student Support**: Develop a comprehensive student support system, including academic advising, career counselling, and extracurricular activities.

5. **International Engagement**: Explore specific opportunities for international collaborations, student exchanges, and global exposure in interdisciplinary studies.

6. **Infrastructure Expansion**: Expand infrastructure to accommodate the growing student population and research needs.

Year 2: Innovation and Specialization

1. **New Programs**: Introduce specialized programs aligned with emerging fields and industry demands.

2. **Innovation Hub**: Establish an innovation and entrepreneurship hub to foster student start-ups and innovative projects.

3. **Industry Partnerships**: Strengthen ties with industries through internships, workshops, and industry-sponsored projects.
Year 4: Research Focus and Outreach

1. **Research Impact**: Elevate the research profile of the institution by focusing on impactful research and publications.
2. **Community Engagement**: Develop community outreach programs, contributing to social development and addressing local challenges.
3. **Conference and Symposia**: Host international conferences and symposia to showcase research and attract global scholars.
4. **Global Networks**: Expand international collaborations, student exchange programs, and joint research initiatives.
5. **Alumni Engagement**: Establish an active alumni network to foster lifelong relationships with graduates.

Year 5: Excellence

1. **Accreditation**: Work towards obtaining national and international accreditations to ensure program quality and recognition.
2. **Endowment and Fundraising**: Establish an endowment fund and engage in fundraising activities to secure the financial sustainability of the institution.
3. **Evaluation and Strategic Planning**: Conduct a comprehensive evaluation of achievements and areas for improvement, and develop a strategic plan for the next phase of growth.
II. Faculty Recruitment Plan

Faculty recruitment is a dynamic process that requires careful planning, collaboration, and adaptability. A successful recruitment plan will contribute to building a strong, diverse, and qualified faculty team that aligns with the institution’s goals and aspirations.

Here’s a step-by-step outline of a faculty recruitment plan

1. Establish Search-cum-Selection Committees:
Form faculty recruitment committees for each department or program. Include faculty members, administrators, and representatives from relevant fields to ensure diverse perspectives.

2. Job Description and Qualifications:
Develop clear job descriptions for each faculty position, outlining responsibilities, qualifications, and performance outcomes. Define the required qualifications, including academic degrees, research experience, and teaching expertise.

3. Advertising and Outreach:
Design a comprehensive advertising strategy to reach potential candidates. Advertise through institution websites, academic job boards, professional associations, print and digital media and social media platforms.

4. Application Review:
Set up a standardized process for reviewing applications. Assign committee members to review applications, assess qualifications and experience, and shortlist candidates.

5. Interview and Selection Process:
Plan a multi-stage interview process, which may include physical or online interviews, teaching demonstrations, research presentations, and campus visits.

6. Campus Visits:
Invite shortlisted candidates for campus visits. Arrange meetings with faculty, administrators, and students. Include teaching demonstrations, research presentations, and interviews with senior officials of the institution.

7. Reference Checks:
Conduct reference checks to verify the candidates’ qualifications, teaching capabilities, research contributions, and professional ethics.

8. Offer Letters:
Once a candidate is selected, prepare a formal offer letter outlining terms of employment, salary, benefits, and any other relevant details.
9. **Orientation and Onboarding:**
Develop an orientation program to familiarize newly hired faculty members with the institution’s culture, policies, facilities, and resources.

10. **Faculty Development:**
Plan faculty development programs to enhance teaching skills, research productivity, and professional growth, by providing prescribed learning to be completed within the prescribed period.

11. **Diversity and Inclusion:**
Promote diversity and inclusion in the recruitment process to ensure a diverse faculty team that reflects varied perspectives.

12. **Active Recruitment:**
Faculty recruitment is an ongoing process. Develop a system to continuously evaluate faculty needs, update job descriptions, and recruit as the institution grows.

13. **Retention Strategies:**
Implement strategies to retain talented faculty, such as offering research grants, professional development opportunities, and a supportive work environment.

14. **Evaluation and Improvement:**
Regularly evaluate the effectiveness of the recruitment process and make necessary improvements based on feedback from both recruiters and newly hired faculty members.
III. Student Admission Plan

The student admission plan should be flexible and responsive to changing demographics, educational trends, and market demands. Regularly assess the effectiveness of recruitment strategies and adapt them accordingly to achieve the institution's enrolment goals.

Year 1: Foundation and Launch

1. **Admission Criteria**: Define clear admission criteria based on academic qualifications, standardized test scores, and other relevant factors.
2. **Programs Offered**: Determine the undergraduate and postgraduate programs, research programs and certification courses to be offered in the first year.
3. **Admission Process**: Design a streamlined online application process that includes application forms, submission of documents, scrutiny of documents and payment procedures.
4. **Marketing and Outreach**: Develop a comprehensive marketing strategy to raise awareness about the institution’s programs and strengths.
5. **Admission Events**: Host open houses, webinars, and information sessions to engage prospective students and their families.
6. **Scholarships and Financial Aid**: Develop a financial support policy, establish scholarship programs and financial aid options to attract a diverse student population.

Year 2: Growth and Expansion

1. **Early Admissions**: Introduce early admission options for exceptional students.
2. **Student Ambassadors**: Establish a student ambassador program to connect prospective students with current students.
3. **Digital Presence**: Enhance the institution’s online presence through social media, blogs, and virtual campus tours.

Year 3: Outreach and Diversity

1. **Geographical Diversity**: Actively target students from different regions and states to ensure a diverse student body.
2. **International Students**: Develop strategies to attract international students through partnerships and targeted marketing.
3. **Inclusive Policies**: Implement inclusive admissions policies that consider factors beyond academics, such as extracurricular activities and community service.
STUDENT ADMISSION PLAN

Year 4: Brand Building and Specializations

1. **Brand Identity:** Build a strong institution brand that reflects its strengths, values, and unique offerings.
2. **Specialized Programs:** Introduce specialized tracks or concentrations within programs to cater to students' diverse interests.
3. **Virtual Recruitment:** Leverage virtual platforms for student recruitment, especially for international and distant applicants.

Year 5: Continuous Improvement and Scaling

1. **Data Analysis:** Analyze admission data to identify trends, strengths, and areas for improvement.
2. **Merit Scholarships:** Enhance the merit scholarship program to attract high-achieving students.
3. **Personalized Communications:** Tailor communications to individual applicants, addressing their interests and questions.
4. **Community Engagement:** Strengthen ties with local communities and schools to establish a reputation as a valuable educational partner.
5. **Sustainable Growth:** Ensure that the admission process and infrastructure can accommodate the increasing number of students without compromising on quality.
IV. Research Plan

Year 1: Establishing Research Foundation

1. **Research Infrastructure:** Set up inter-disciplinary research labs, centres, and facilities aligned with the institution’s focus areas.
2. **Faculty Engagement:** Encourage faculty members to define their research interests and create research groups or clusters.
3. **Research Policies:** Develop research policies, ethics guidelines, and procedures for grant applications and project management.
4. **Research Advisory Board:** Form a research advisory board comprising eminent researchers and industry leaders to provide guidance.
5. **Seed Funding:** Allocate initial funding for faculty research projects and pilot studies.
6. **Collaborations:** Establish collaborations with industry partners, research institutions, and other universities.

Year 2: Focus and Expansion

1. **Research Clusters:** Formalize research clusters in key areas to encourage interdisciplinary collaboration.
2. **External Funding:** Develop strategies for securing external research grants from government agencies and industry partners.
3. **Faculty Development:** Provide workshops and training to enhance faculty research skills and proposal writing.
4. **Research Symposia:** Organize internal and external research symposiums to showcase ongoing research and attract potential collaborators.

Year 3: Research Excellence and Impact

1. **High-Impact Journals:** Encourage faculty to publish in high-impact journals and conferences relevant to their fields.
2. **Research Outreach:** Engage in community outreach by conducting research that addresses local challenges and contributes to social development.
3. **International Collaborations:** Establish international research collaborations to enhance the institution’s global research network.
Year 4: Research Dissemination and Innovation

1. **Patents and Innovations**: Encourage faculty and students to file patents and develop innovative solutions through research.

2. **Technology Transfer**: Create mechanisms for transferring research outcomes to the industry for practical applications and explore options for spin-offs.

3. **Research Communication**: Enhance communication through research publications, newsletters, and media connect to disseminate findings.

4. **Research Impact Assessment**: Assess the impact of research projects on society, industries, and policy-making.

Year 5: Advancement and Sustainability

1. **Research Centres of Excellence**: Elevate select research clusters to become Centres of Excellence, attracting substantial funding and recognition.

2. **Endowment for Research**: Establish an endowment fund to support long-term research initiatives and sustainability.

3. **Collaborative Grants**: Strengthen collaborative grant applications with industry and international partners.

4. **Evaluation and Future Planning**: Evaluate the achievements and challenges of the five-year plan, and develop a strategic research plan for the next phase.
V. Information and communication technology (ICT) Plan

This 5-year ICT plan for Rajalakshmi University prioritizes the development of a robust and secure technology infrastructure, digital transformation, research support, and sustainability. It positions the university to adapt to emerging technologies, enhance the educational experience, and contribute to academic and research excellence.

Year 1 (2023–2024): Building the Foundation

1. **Infrastructure Enhancement**
   - Assess and upgrade the university’s network infrastructure for increased bandwidth and reliability.
   - Implement a robust disaster recovery and business continuity plan for critical systems.

2. **Cybersecurity**
   - Strengthen cybersecurity measures to protect sensitive data and information.
   - Conduct regular security audits and training for staff and students.

3. **E-Learning Platforms**
   - Evaluate and adopt a Learning Management System (LMS) that enhances the online learning experience.
   - Provide faculty and students with training on using the LMS effectively.

4. **ICT Support and Training**
   - Enhance the university’s IT support services for faster issue resolution.
   - Establish an ongoing training program to keep staff and students updated on the latest ICT tools and practices.

Year 2 (2024–2025): Digital Transformation

5. **Digital Campus**
   - Implement smart campus solutions for automated attendance tracking, facility management, and security.
   - Promote paperless administrative processes to improve efficiency.

6. **Online Collaboration**
   - Implement video conferencing and collaboration tools for remote learning and administrative meetings.
   - Foster a culture of virtual teamwork and communication.

7. **Data Analytics**
   - Develop a data analytics framework to collect and analyze student performance data for insights.
   - Use data-driven decision-making to enhance teaching and learning outcomes.
Year 3 (2025–2026): Innovation and Research

8. **Research Computing**
   - Establish high-performance computing (HPC) resources to support advanced research initiatives.
   - Collaborate with research institutions and industry for data-intensive projects.

9. **Innovation Hub**
   - Create an innovation hub or makerspace to encourage students and faculty to explore emerging technologies.
   - Facilitate interdisciplinary research and projects.

Year 4 (2026–2027): Expansion and Accessibility

10. **Cloud Integration**
    - Migrate appropriate systems and services to cloud platforms for scalability and accessibility.
    - Explore cloud-based infrastructure for disaster recovery.

11. **Mobile App Development**
    - Develop a university mobile app for easy access to campus services and information.
    - Ensure the app is user-friendly and accessible.

Year 5 (2027–2028): Sustainability and Future Readiness

12. **Green IT**
    - Implement energy-efficient technologies in data centers and campus-wide ICT infrastructure.
    - Promote environment-friendly practices in ICT operations.

13. **Emerging Technologies**
    - Stay abreast of emerging technologies like AI, IoT, and blockchain.
    - Assess their potential applications in education and research.

14. **ICT Governance and Policy**
    - Review and update ICT governance policies to adapt to changing needs and technology trends.
    - Ensure compliance with data protection regulations.

15. **Feedback and Continuous Improvement**
    - Collect feedback from students, faculty, and staff regarding ICT services and make necessary improvements.
    - Regularly review and update the ICT plan to align with the university’s evolving needs and goals.
VI. Infrastructure Development Plan

Infrastructural Development Plan for the proposed RAJALAKSHMI DEEMED TO BE UNIVERSITY

Infrastructure plays a key role in providing the right ambience and an enabling comfort for the learning and research ecosystem of an institution of higher learning. Rajalakshmi Institutions, since their inception, have been providing the learners and teachers the needed facilities, channelising their focus on their respective academic pursuits. This Infrastructure Development Plan details the existing infrastructural facilities and provide a roadmap for the proposed expansion to suit the needs of a multi-disciplinary institution.

**Existing Infrastructure** includes spacious classrooms, most of which are LCS (Lecture Capturing System) enabled, state-of-the-art laboratories, Centres of Excellence for active research, Specialised Research Labs with advanced equipment, Student-centric Idea Factory for innovative projects, Central library stacked with books, e-journals, e-books etc., Campus-wide internet connectivity with 1.15 Gbps bandwidth, Adequate Hostel and Mess facilities for Boys and Girls, Solar power plant, water treatment and recycling, Bio-gas plant, Cafeteria, Auditorium, Seminar Halls and Conference Rooms, all housed in a lush-green eco campus spread across 24.59 acres of land with a built-up area of 10 lakh+ Sq.ft. strategically located on the Chennai-Bengaluru Industrial Corridor.

The infra plan for the proposed institution offering multi-disciplinary courses would include program specific laboratories, research facilities, lecture halls, Discussion rooms, Hostel rooms and Dining hall to accommodate the additional intake of students, augmentation of transport, internet, Sports and recreation facilities. Sustainability aspects of the infrastructural expansion, safety and security, materials to be used etc., will be part of the holistic plan which will have monthly and quarterly and annual reviews for respective stages of the plan.
The Infra plan will be taken through stakeholder’s discussion, review of strategic planning team and the Design team to arrive at the defined phases and facilities in terms of time.

The Financial Plan has been drawn, fully incorporating the needs, distributed into a 5-year rollout plan, ensuring timely availability of funds for the infrastructure in a phased manner, based on the review and progress.

**Year 1: Foundation and Essentials**

1. **Master Plan:** Develop a detailed master plan that outlines the campus layout, including academic, residential, recreational, and administrative zones.
2. **Additional Facilities:** Construct additional facilities for housing classrooms, laboratories, lecture halls, library, hostels etc.
3. **Infrastructure Networks:** Lay the groundwork for utilities, including water, electricity, sewage, and telecommunications.

**Year 2: Additional Academic and Research Facilities**

1. **Laboratories and Research Centres:** Construct well-equipped laboratories and specialized research centres for various disciplines.
2. **Faculty Offices:** Build office spaces for faculty members, research scholars, and administrative staff.
3. **Technology Infrastructure:** Enhance campus-wide Wi-Fi coverage and install IT infrastructure for classrooms and research areas.
4. **Library Expansion:** Expand the library with a larger collection, study areas, digital resources, and research support services.

**Year 3: Additional Recreational and Sports Facilities**

1. **Sports Complex:** Construct a comprehensive sports complex with indoor and outdoor facilities for various sports and recreational activities.
2. **Gymnasium:** Build a modern gymnasium for students and staff to promote fitness and well-being.
3. **Student Centre:** Create a central hub for student activities, socializing, and cultural events.
**Year 4: Additional Lab Facilities and Sustainability**

1. Advanced Labs: Establish specialized labs for emerging fields, including robotics, biotechnology, and advanced computing.
2. Green Initiatives: Enhance sustainability measures such as solar panels, rainwater harvesting, and energy-efficient lighting.
3. Auditoriums and Conference Halls: Construct large auditoriums and conference halls to accommodate events, seminars, and guest lectures.

**Year 5: Campus Enhancement and Future Readiness**

1. Green Spaces: Develop landscaped gardens, walkways, and outdoor seating areas to create a conducive learning environment.
2. Upgraded Facilities: Renovate and upgrade existing facilities to keep pace with changing technology and educational requirements.
3. Innovation Hub: Establish an innovation and entrepreneurship hub with collaborative spaces and resources for student startups.
## VII. Financial Plan

### Increase in Student count

<table>
<thead>
<tr>
<th>Particulars</th>
<th>FY 2024-25</th>
<th>FY 2025-26</th>
<th>FY 2026-27</th>
<th>FY 2027-28</th>
<th>FY 2028-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG</td>
<td>150</td>
<td>180</td>
<td>180</td>
<td>240</td>
<td>240</td>
</tr>
<tr>
<td>PG</td>
<td>360</td>
<td>360</td>
<td>360</td>
<td>360</td>
<td>360</td>
</tr>
<tr>
<td>Consolidated Student Increase</td>
<td>510</td>
<td>540</td>
<td>540</td>
<td>600</td>
<td>600</td>
</tr>
</tbody>
</table>

### Consolidated Student Count

<table>
<thead>
<tr>
<th>Courses</th>
<th>FY 2023-24</th>
<th>FY 2024-25</th>
<th>FY 2025-26</th>
<th>FY 2026-27</th>
<th>FY 2027-28</th>
<th>FY 2028-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Engineering &amp; MBA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a. UG Courses</td>
<td>8,062</td>
<td>8,864</td>
<td>9,617</td>
<td>10,128</td>
<td>10,668</td>
<td>11,268</td>
</tr>
<tr>
<td>b. PG Courses</td>
<td>447</td>
<td>930</td>
<td>1,650</td>
<td>2,370</td>
<td>3,090</td>
<td>3,810</td>
</tr>
<tr>
<td></td>
<td>8,509</td>
<td>9,794</td>
<td>11,267</td>
<td>12,498</td>
<td>13,758</td>
<td>15,078</td>
</tr>
<tr>
<td>B. Architecture- UG &amp; PG</td>
<td>255</td>
<td>245</td>
<td>290</td>
<td>365</td>
<td>455</td>
<td>575</td>
</tr>
<tr>
<td>Grand Total</td>
<td>8,764</td>
<td>10,039</td>
<td>11,557</td>
<td>12,863</td>
<td>14,213</td>
<td>15,653</td>
</tr>
</tbody>
</table>

| Addition in Student Strength | 1,317 | 1,588 | 1,396 | 1,470 | 1,560 |
| Increase in consolidated - Existing | 807 | 538 | 166 | - | - |
| Increase in consolidated - New | 510 | 1,050 | 1,230 | 1,470 | 1,560 |
| Total                        | 1,317 | 1,588 | 1,396 | 1,470 | 1,560 |
## Projected Income and Expenditure Statement

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Income</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fees Income</td>
<td>228.74</td>
<td>289.49</td>
<td>361.28</td>
<td>36.59</td>
<td>496.83</td>
</tr>
<tr>
<td><strong>Total Income</strong></td>
<td>228.74</td>
<td>289.49</td>
<td>361.28</td>
<td>436.59</td>
<td>496.83</td>
</tr>
<tr>
<td><strong>EXPENSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Staff Expenses</td>
<td>74.31</td>
<td>98.62</td>
<td>122.63</td>
<td>150.59</td>
<td>179.14</td>
</tr>
<tr>
<td>Academic &amp; Para Academic Expenses</td>
<td>24.20</td>
<td>33.25</td>
<td>44.50</td>
<td>58.25</td>
<td>69.50</td>
</tr>
<tr>
<td>Transport Expenses</td>
<td>16.70</td>
<td>21.21</td>
<td>26.08</td>
<td>31.86</td>
<td>38.76</td>
</tr>
<tr>
<td>Hostel &amp; Canteen Expenses</td>
<td>12.59</td>
<td>15.99</td>
<td>19.66</td>
<td>24.02</td>
<td>29.22</td>
</tr>
<tr>
<td>Administrative &amp; Other Expenses</td>
<td>27.45</td>
<td>34.74</td>
<td>43.35</td>
<td>52.39</td>
<td>59.62</td>
</tr>
<tr>
<td>Finance Charges</td>
<td>30.00</td>
<td>30.00</td>
<td>30.00</td>
<td>30.00</td>
<td>25.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>185.25</td>
<td>233.82</td>
<td>286.22</td>
<td>347.12</td>
<td>401.25</td>
</tr>
<tr>
<td><strong>Depreciation</strong></td>
<td>18.18</td>
<td>19.77</td>
<td>21.62</td>
<td>23.79</td>
<td>25.68</td>
</tr>
<tr>
<td><strong>Surplus of Income Over Expenditure</strong></td>
<td>25.30</td>
<td>35.90</td>
<td>53.45</td>
<td>65.68</td>
<td>69.90</td>
</tr>
<tr>
<td><strong>% on Income</strong></td>
<td>11%</td>
<td>12%</td>
<td>15%</td>
<td>15%</td>
<td>14%</td>
</tr>
</tbody>
</table>

## Human Resource Expenditure

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Student Count</strong></td>
<td>10279</td>
<td>11867</td>
<td>13263</td>
<td>14733</td>
<td>16293</td>
</tr>
<tr>
<td>TS Count</td>
<td>1:17</td>
<td>605</td>
<td>699</td>
<td>781</td>
<td>867</td>
</tr>
<tr>
<td>Average Salary per month</td>
<td>Rs. in Lakhs</td>
<td>0.85</td>
<td>0.98</td>
<td>1.08</td>
<td>1.18</td>
</tr>
<tr>
<td><strong>TS – Salary per year</strong></td>
<td>Rs. in Crores</td>
<td>61.71</td>
<td>81.99</td>
<td>100.77</td>
<td>123.06</td>
</tr>
<tr>
<td>NTS count</td>
<td>300</td>
<td>360</td>
<td>430</td>
<td>516</td>
<td>525</td>
</tr>
<tr>
<td>Average Salary per month</td>
<td>Rs. in Lakhs</td>
<td>0.35</td>
<td>0.39</td>
<td>0.42</td>
<td>0.44</td>
</tr>
<tr>
<td><strong>NTS – Salary</strong></td>
<td>Rs. in Crores</td>
<td>12.60</td>
<td>16.63</td>
<td>21.85</td>
<td>27.53</td>
</tr>
<tr>
<td><strong>Total Salary</strong></td>
<td>Rs. in Crores</td>
<td>74.31</td>
<td>98.62</td>
<td>122.63</td>
<td>150.59</td>
</tr>
</tbody>
</table>
## Academic & Para Academic Expenses

<table>
<thead>
<tr>
<th>Particulars</th>
<th>FY 2024-25</th>
<th>FY 2025-26</th>
<th>FY 2026-27</th>
<th>FY 2027-28</th>
<th>FY 2028-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Student Count</td>
<td>10279</td>
<td>11867</td>
<td>13263</td>
<td>14733</td>
<td>16293</td>
</tr>
<tr>
<td>Student Welfare including Scholarships</td>
<td>2.00</td>
<td>3.50</td>
<td>4.50</td>
<td>6.00</td>
<td>9.00</td>
</tr>
<tr>
<td>Laboratory Expenses</td>
<td>2.00</td>
<td>3.50</td>
<td>4.00</td>
<td>5.50</td>
<td>6.50</td>
</tr>
<tr>
<td>Seminars, Events &amp; Conferences</td>
<td>1.50</td>
<td>2.00</td>
<td>3.00</td>
<td>5.00</td>
<td>6.00</td>
</tr>
<tr>
<td>Examination Expenses</td>
<td>3.50</td>
<td>4.00</td>
<td>5.00</td>
<td>7.00</td>
<td>8.00</td>
</tr>
<tr>
<td>Research &amp; Development Expenses</td>
<td>4.00</td>
<td>5.00</td>
<td>7.50</td>
<td>8.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Visiting Faculty Remunerations</td>
<td>0.50</td>
<td>0.75</td>
<td>1.00</td>
<td>1.25</td>
<td>1.50</td>
</tr>
<tr>
<td>Training &amp; Placement Expenses</td>
<td>6.00</td>
<td>8.00</td>
<td>10.00</td>
<td>13.00</td>
<td>15.00</td>
</tr>
<tr>
<td>Sports Expenses</td>
<td>1.00</td>
<td>1.50</td>
<td>2.00</td>
<td>2.50</td>
<td>3.00</td>
</tr>
<tr>
<td>Cultural &amp; Student recreational Expenses</td>
<td>2.50</td>
<td>3.00</td>
<td>5.00</td>
<td>6.00</td>
<td>6.00</td>
</tr>
<tr>
<td>Faculty Development Programs</td>
<td>1.20</td>
<td>2.00</td>
<td>3.00</td>
<td>4.00</td>
<td>4.50</td>
</tr>
<tr>
<td>Total</td>
<td>24.20</td>
<td>33.25</td>
<td>44.50</td>
<td>58.25</td>
<td>69.50</td>
</tr>
</tbody>
</table>
## FINANCIAL PLAN

### Transport and Hostel Expenditure

<table>
<thead>
<tr>
<th>Particulars</th>
<th>FY 2024-25</th>
<th>FY 2025-26</th>
<th>FY 2026-27</th>
<th>FY 2027-28</th>
<th>FY 2028-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>No of students</td>
<td>10279</td>
<td>11867</td>
<td>13263</td>
<td>14733</td>
<td>16293</td>
</tr>
<tr>
<td>Total Count</td>
<td>2.00</td>
<td>3.50</td>
<td>4.50</td>
<td>6.00</td>
<td>9.00</td>
</tr>
<tr>
<td>Transport</td>
<td>65%</td>
<td>2.00</td>
<td>3.50</td>
<td>4.50</td>
<td>6.00</td>
</tr>
<tr>
<td>Hostel</td>
<td>35%</td>
<td>2.00</td>
<td>3.50</td>
<td>4.50</td>
<td>6.00</td>
</tr>
</tbody>
</table>

### I. Transport Expenditure

<table>
<thead>
<tr>
<th>Particulars</th>
<th>FY 2024-25</th>
<th>FY 2025-26</th>
<th>FY 2026-27</th>
<th>FY 2027-28</th>
<th>FY 2028-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per Student Average Exp. Per year</td>
<td>Rs. in lakhs</td>
<td>0.25</td>
<td>0.28</td>
<td>0.30</td>
<td>0.33</td>
</tr>
<tr>
<td>Transport Expenditure</td>
<td>Rs. in Crores</td>
<td>16.70</td>
<td>21.21</td>
<td>26.08</td>
<td>31.86</td>
</tr>
<tr>
<td>Hostel</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

### II. Hostel Expenditure

<table>
<thead>
<tr>
<th>Particulars</th>
<th>FY 2024-25</th>
<th>FY 2025-26</th>
<th>FY 2026-27</th>
<th>FY 2027-28</th>
<th>FY 2028-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per Student Average Exp. Per year</td>
<td>Rs. in lakhs</td>
<td>0.35</td>
<td>0.39</td>
<td>0.42</td>
<td>0.47</td>
</tr>
<tr>
<td>Hostel Expenditure</td>
<td>Rs. in Crores</td>
<td>12.59</td>
<td>15.99</td>
<td>19.66</td>
<td>24.02</td>
</tr>
<tr>
<td>Percentage of Increase</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
</tbody>
</table>
VIII. Administrative Plan

Throughout the 5-year period, the institution will maintain open communication channels, promote collaboration among administrative units, and regularly review and update administrative policies and procedures to adapt to changing circumstances. The administrative plan will align with the overall mission, vision, and strategic goals of the institution.

Year 1: Establishment and Foundation

1. **Organizational Structure**: Establish and operate the administrative hierarchy, roles, and responsibilities for key positions, including academic and non-academic departments.
2. **Governance Structure**: Formalize the governance structure with governing bodies, committees, and decision-making processes.
3. **Administrative Policies**: Develop foundational administrative policies covering areas such as finance, human resources, procurement, and student affairs.
4. **Recruitment and Training**: Hire administrative staff members for various departments and provide orientation and training.
5. **IT Infrastructure**: Establish IT support services and infrastructure for administrative functions, including software systems for student management, finance, and communication.

Year 2: Process Streamlining, Expansion and Compliance

1. **Automation and Digitization**: Implement automated processes for admissions, student records, payroll, and other administrative functions.
2. **Standard Operating Procedures (SOPs)**: Develop SOPs for routine administrative tasks to ensure consistency and efficiency.
3. **Budgeting and Financial Management**: Create a comprehensive budgeting process and financial management system.
4. **Compliance and Regulations**: The University will conform to all applicable regulatory norms from UGC/AICTE/COA and other regulatory bodies.

Year 3: Quality Assurance

1. **Quality Assurance**: Implement mechanisms to assess and improve administrative services based on feedback from stakeholders.
Year 4: Outreach and Partnerships

1. **Community Engagement**: Develop administrative policies to manage engagements with local communities, alumni, and industry partners for collaborative initiatives.
2. **Industry Partnerships**: Develop administrative policies for building partnerships with industries for internships, research collaborations, and supporting placement opportunities for students.
3. **Alumni Relations**: Develop administrative policies for establishing an alumni network and initiatives to foster ongoing connections with graduates.

Year 5: Continuous Improvement and Growth

1. **Performance Evaluation**: Regularly evaluate administrative processes, services, and outcomes through annual external audit to identify areas for improvement.
2. **Strategic Planning**: Develop a strategic administrative plan for the next phase, considering the institution’s evolving needs and goals.
3. **Leadership Development**: Offer leadership development programs for administrative staff to enhance their skills and contribute to organizational growth.
4. **Sustainability**: Ensure that administrative processes and structures are designed to support the institution’s long-term sustainability and growth.
5. **Crisis Management**: Establish a crisis management plan and communication protocols to address emergencies effectively.
IX. Governance Plan

The governance plan shall reflect the principles of transparency, accountability, and inclusivity. It would evolve in response to the institution’s needs and changing governance practices while maintaining the institution’s mission and values at its core. Regular communication and collaboration among governing bodies, committees, and stakeholders shall be maintained for the plan’s successful implementation.

Year 1: Establishment and Foundation

1. **Governance Structure:** Establish the governance structure, including the Board of Governors, Academic Council, and other key committees.
2. **Roles and Responsibilities:** Clearly outline the roles and responsibilities of each governing body and committee, ensuring alignment with the institution’s mission and objectives.
3. **Charter and Bylaws:** Develop the governing bodies’ charters and bylaws, detailing their composition, powers, terms, and meeting frequencies.
4. **Appointment Process:** Set guidelines for appointing members to the Board of Governors, Academic Council, and other committees, ensuring diversity and expertise.
5. **Policy Development:** Develop and approve essential policies, such as academic regulations, code of conduct, financial management, and student affairs.

Year 2: Policy Development and Implementation

1. **Policy Framework:** Existing policies of the cluster institutions will be reviewed, refined and updated in alignment with the vision of the proposed interdisciplinary institution.
2. **Implementation Plans:** Create implementation plans for policies, detailing responsible parties, timelines, and communication strategies.

Year 3: Monitoring and Evaluation

1. **Performance Assessment:** Develop mechanisms to assess the effectiveness and performance of governing bodies and committees.
2. **External Audit:** Engage external auditors to review governance processes, financial operations, and compliance.
3. **Review and Adjustments:** Regularly review governance structures and policies to identify areas for improvement and ensure alignment with evolving needs.
Year 4: Stakeholder Engagement

1. **Stakeholder Engagement**: Foster engagement with stakeholders, including faculty, students, staff, alumni, and industry partners, to ensure their perspectives are considered in governance decisions.

2. **Transparency and Communication**: Establish transparent communication channels to keep stakeholders informed about governance decisions and initiatives.

Year 5: Sustainability and Continuity

1. **Succession Planning**: Develop succession plans for key governance positions to ensure smooth transitions.

2. **Professional Development**: Provide training and professional development opportunities for governing body members to enhance their governance knowledge and skills.

3. **Future Planning**: Review the governance plan’s effectiveness and consider adjustments based on the institution’s growth trajectory and changing dynamics.

4. **Crisis Preparedness**: Develop protocols for governance during crises, ensuring effective decision-making and communication.
A detailed SAOC analysis for the proposed Rajalakshmi Deemed to be University was carried out and the findings are furnished below.

**STRENGTHS:**

1. **Innovative Vision:** The institution has a unique and innovative vision that aligns with emerging educational trends and societal needs.

2. **Experienced Founding Team:** The founding team comprises experienced professionals with a strong background in academia and administration.

3. **Interdisciplinary Approach:** The institution emphasizes an interdisciplinary approach to education and research, fostering creativity and problem solving.

4. **Cutting-Edge Infrastructure:** Investment in modern infrastructure, including labs, libraries, and technology resources, sets the foundation for effective teaching and research.

5. **Research Focus:** The institution has a strong emphasis on research, with plans to establish research centers and engage faculty and students in impactful research projects.

**AREA OF IMPROVEMENT:**

1. **Faculty Recruitment:** Attracting and retaining experienced faculty members might be challenging due to competition with established universities.
SAOC ANALYSIS

OPPORTUNITIES:

1. Growing Demand: The increasing demand for higher education in the region provides an opportunity to attract a diverse student population.

2. Industry Partnerships: Collaborations with industries can provide internships, research opportunities, and industry-relevant curriculum development.

3. Innovation and Technology: The emphasis on innovation aligns well with the evolving technology landscape, enabling the Multi-disciplinary Institution to leverage digital learning and research advancements.

4. Global Collaborations: The Multi-disciplinary Institution can establish international collaborations, offering global exposure to students and faculty through joint programs and research initiatives.

CHALLENGES:

1. Competition: Competing with established universities in the region for student enrollment and faculty recruitment poses a challenge.

2. Financial Sustainability: Ensuring the Multi-disciplinary Institution’s financial sustainability amidst potential fluctuations requires careful financial planning.

3. Student Diversity: Attracting and retaining a diverse student body with varying socio-economic backgrounds and expectations can be challenging.

For the existing partner institutions of the proposed Rajalakshmi Deemed to be University under Distinct category, a SAOC analysis was performed which has led to the results as tabulated below:

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Proof of Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>31 UG and PG Programs</td>
<td>Started with an intake of 180 and 3 branches in 1997; has grown to offer 31 programs with an intake of 2782 in 2023, marking an increase of intake by 15 fold increase in 25 years; consistently going for NBA Accreditation and using the benefit of accreditation to introduce additional courses and intake and to offer diversified courses in Engineering &amp; Technology, Management and Architecture</td>
</tr>
<tr>
<td>Strengths</td>
<td>Proof of Improvement</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Women Empowerment</td>
<td>Nearly, 40% are female students and more than 50% of the teaching faculty and supporting staff are women. Many senior women faculty hold institutional responsibilities such as Dean, Director, CoE, Heads of Research Establishments and there are many women achievers in the campus.</td>
</tr>
<tr>
<td>Recognitions</td>
<td>12(B) Certification from the University Grants Commission for Financial Support. Declared as a Scientific and Industrial Research Organisation (SIRO), by the Department of Scientific and Industrial Research, Government of India.</td>
</tr>
<tr>
<td>Notable Research Accomplishments</td>
<td>The Centre for Sponsored Research and Consultancy, established in 2013, has created strong awareness among the faculty on Research and Consultancy and their impact and contribution to the teaching-learning process. Such an initiative has led to funded Projects for Rs 15 Crores and Consultancy revenue of Rs. 1.25 crores in the last seven years while the total value of Sponsored Projects is Rs 25 Crores at present. TIFAC-CORE, FIST funded Research Labs, MEMS Clean Room and the IDEA Factory are noteworthy Research Establishments through the Govt. of India Funding. The Institution has contributed an amount of Rs. 4.27 Crores towards establishment of Research facilities and funding for internal R&amp;D projects. 15 Centres of Excellence have been established for active research by Faculty and Students posting an impressive 169 patent filing with 31 granted patents that include 15 process patents and 16 design patents.</td>
</tr>
<tr>
<td></td>
<td>NIRF: From the 110th rank in NIRF 2021 in NIRF ranking the institution has grown to reach the 86th Rank within Top 100 institutions under ‘Engineering’ category in NIRF 2023.</td>
</tr>
<tr>
<td>Strengths</td>
<td>Proof of Improvement</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------</td>
</tr>
</tbody>
</table>
| **Accreditation & Ranking** | NAAC: From Grade A with a CGPA of 3.14/4.0 in 2016, the College has progressed to receive A++ with a CGPA of 3.62/4.0 in 2023.  
NBA: Out of the 19 UG programs, 12 of the eligible programs have already been accredited 2 more are in the process of Accreditation |

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<tr>
<th>Area of Improvement</th>
<th>Action and Solution for Improvement</th>
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<tr>
<td><strong>Faculty and Student diversity</strong></td>
<td>With consistent efforts, number of faculty and students from other States has been showing improvement and in 2023, 48 students have been admitted and faculty members from States like Kerala, Karnataka, Andhra Pradesh, Telangana, Orissa and UP have joined the institution.</td>
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<tr>
<th>Opportunities</th>
<th>Action and Solution for Improvement</th>
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<tr>
<td><strong>Industry Partnership</strong></td>
<td>Approved as a Host Institution for MSME sector which has brought in few research projects for the sector’s growth; Technology Business Incubator is expected soon to support the industries through ‘idea to product’ concept. Opportunity to support the working professionals through continuing education and skill upgradation courses for the Working Professionals will be tapped on becoming a Deemed to be University</td>
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</table>

| Inter-disciplinary Research | The availability of confluence of knowledge and experience of faculty members from diversified disciplines is an opportunity. This helped the team to execute a Research Project under the Science and Heritage Research initiative (SHRI) scheme with a grant of Rs. 489 lakhs successfully. |
Opportunities

International Collaborations

One of the HEIs awarded with Nehru-Fulbright Specialist programme fund in 2022. Dr. Bruce K. Gale, Mechanical Engineering Chair and Professor, University of Utah visited REC. Prof. Jey Veerasamy, University of Texas at Dallas and Prof. Songwon Yoon from Binghamton University visited and conducted Hands-on Workshop for Faculty and Students as apart of the collaborative activities between the institutions.

Through ‘Semester Abroad’ and ‘Visiting Scholar’ schemes, students and faculty members have visited University of Texas at Dallas, USA, Northern Arizona University, State University of New York at Binghamton, University of Twente, Netherlands, TU Munich and TU Berlin in Germany, Universities in Australia, Singapore, etc. and their learning from the institutions were accounted as academic credits towards the partial fulfilment of the Degree program.

Twinning Program in collaboration with Binghamton university has been introduced in this academic year 2023-24 with regulatory approvals.

Challenges

Revenue Mobilisation from Multiple Avenues

Consultancy revenue has been showing up marginally. Offering Diploma and PG Diploma programs to the Working Professionals around the institution in the Industrial Corridor is a prospective avenue which will be tapped on receiving the ‘Deemed To be University Status’ in view of the current limitations. Further, fund mobilisation through the active alumni network will also be explored.

Conclusion

This Detailed Project Report, as per the prescribed format of UGC regulations 2023, has been prepared to present the Vision, Mission, Accomplishments, Expertise, Infrastructural and Financial preparedness, a course profile with interdisciplinary approach, etc. to the University Grants Commission with a request to consider granting Deemed to be University status under Distinct Institution category to the member institutions of the Rajalakshmi University Trust, Chennai. The trust is fully committed to realise the objectives and outcomes of the proposed institution to contribute to the efforts of presenting the nation as a Vishwaguru to the world.