

INSTITUTIONAL DEVELOPMENT PLAN

Raffles University, Neemrana, Rajasthan

1. Introduction

Raffles University, Neemrana, Rajasthan, was established under an Act of the Rajasthan State Legislature and is recognized under Section 2(f) of the University Grants Commission (UGC) Act, 1956. The University is a multidisciplinary institution committed to providing quality, industry-oriented, and globally relevant education through its various Schools of Study.

The University currently comprises the following Schools:

1. School of Law
2. Alabbar School of Management
3. School of Engineering & Technology
4. School of Basic & Applied Sciences
5. School of Agricultural Sciences
6. School of Pharmacy
7. School of Humanities & Social Sciences

At the time of its inception, the University commenced its academic activities with three Schools of Study. Since then, it has continued to expand its academic portfolio and institutional capabilities in response to emerging educational needs, technological advancements, industry requirements, and societal priorities.

With a clear vision for sustained academic growth and institutional excellence, Raffles University has formulated a phased Institutional Development Plan for the coming years. The plan focuses on introducing new academic programmes, strengthening research and innovation, expanding interdisciplinary education, and promoting environmental sustainability through the adoption of renewable energy.

2. Objectives of the Institutional Development Plan

The major objectives of the Institutional Development Plan are:

- To expand the University's academic offerings in emerging and multidisciplinary fields.
- To establish new Schools and introduce undergraduate, postgraduate, and doctoral programmes in accordance with applicable regulatory requirements.
- To strengthen research, innovation, and advanced learning opportunities.
- To develop programmes aligned with industry needs, employability, and evolving professional requirements.
- To promote interdisciplinary education and collaboration among different Schools.

- To enhance institutional infrastructure and academic resources in a phased and sustainable manner.
- To reduce dependence on conventional energy sources and progressively achieve energy independence through renewable energy solutions.

3. Year-Wise Academic Development Plan

3.1 Academic Session 2027–28: Establishment of the School of Allied Health Care

The University plans to establish the **School of Allied Health Care** from the academic session 2027–28 to expand its academic presence in healthcare-related disciplines and develop skilled professionals for the healthcare sector.

The following undergraduate programmes are proposed:

1. Bachelor of Science in Health Information Management
2. Bachelor of Medical and Psychiatric Social Work
3. Bachelor of Applied Psychology and Behavioural Health

The proposed School will focus on interdisciplinary learning, professional skill development, practical training, and the application of contemporary knowledge to healthcare and community well-being.

3.2 Academic Session 2028–29: Expansion of Allied Health Care and Agricultural Sciences

A. Introduction of Additional Allied Health Care Programmes

In the academic session 2028–29, the University proposes to introduce the following undergraduate programmes under the School of Allied Health Care:

1. Bachelor of Science in Medical Laboratory Technology
2. Bachelor of Physiotherapy

These programmes are intended to strengthen the University's healthcare education portfolio and contribute to the development of qualified professionals in diagnostic services, rehabilitation, and patient care.

B. Introduction of Postgraduate Programmes in Agricultural Sciences

The School of Agricultural Sciences currently offers a B.Sc. (Hons.) programme accredited by the Indian Council of Agricultural Research (ICAR).

Building upon this academic foundation, the University plans to introduce M.Sc. programmes from the academic session 2028–29 in the following specializations:

1. Horticulture
2. Genetics and Plant Breeding

The proposed programmes will promote advanced learning, research-oriented education, and specialized knowledge in agricultural sciences, with an emphasis on sustainable agriculture, crop improvement, and emerging agricultural practices.

3.3 Academic Session 2029–30: Introduction of Doctoral Programmes in Agricultural Sciences

From the academic session 2029–30, the University proposes to introduce Ph.D. programmes in the following specializations under the School of Agricultural Sciences:

1. Horticulture
2. Genetics and Plant Breeding

The proposed doctoral programmes will strengthen the University's research ecosystem and encourage advanced research in crop development, agricultural productivity, plant genetics, and sustainable agricultural practices.

The programmes will be developed and implemented in accordance with applicable UGC regulations and other relevant requirements.

3.4 Academic Development in Engineering & Technology

The University plans to expand the academic portfolio of the School of Engineering & Technology by introducing B.Tech programmes in emerging and technology-driven disciplines.

The proposed programmes are:

1. B.Tech in Robotic Science and Automation
2. B.Tech in Artificial Intelligence and Data Science

These programmes are intended to address the growing demand for professionals in intelligent systems, industrial automation, robotics, data analytics, and artificial intelligence. The University aims to promote practical learning, interdisciplinary research, innovation, and industry engagement through these programmes.

The commencement of these programmes will be undertaken in a phased manner, subject to institutional readiness and applicable regulatory approvals.

3.5 Academic Session 2030–31: Introduction of B.Sc. in Forensic Science

The School of Basic & Applied Sciences proposes to introduce a **Bachelor of Science in Forensic Science** from the academic session 2030–31.

The programme will provide students with foundational knowledge of scientific methods used in forensic investigation, evidence analysis, laboratory procedures, and related interdisciplinary fields. It is intended to create opportunities for further study and professional development in forensic science and allied disciplines.

3.6 Academic Session 2031–32: Introduction of M.Sc. in Forensic Science

Building upon the proposed undergraduate programme, the University plans to introduce a **Master of Science in Forensic Science** from the academic session 2031–32.

The proposed postgraduate programme will offer the following specializations:

1. Digital and Cyber Forensics
2. Forensic Chemistry and Toxicology

The programme will aim to provide advanced theoretical and practical knowledge in forensic analysis, digital evidence examination, cybercrime investigation, chemical analysis, and toxicological assessment. It will also support the development of research capabilities and specialized professional skills in these fields.

3.7 Industry Academic linkage

To enhance the teaching learning process and to promote outcome-based education, a stronger linkage is being developed with industry, which includes development of **Industrial Teaching and Training Enabled Academic Programs** in emerging areas of technology and its applications.

4. Summary of the Proposed Academic Development Plan

Academic

Session	Proposed Development
2027–28	Establishment of the School of Allied Health Care with three undergraduate programmes
2028–29	Introduction of B.Sc. in Medical Laboratory Technology and Bachelor of Physiotherapy; commencement of M.Sc. programmes in Horticulture and Genetics and Plant Breeding
2029–30	Introduction of Ph.D. programmes in Horticulture and Genetics and Plant Breeding
2030–31	Introduction of B.Sc. in Forensic Science
2031–32	Introduction of M.Sc. in Forensic Science with specializations in Digital and Cyber Forensics and Forensic Chemistry and Toxicology
Phased implementation	Introduction of B.Tech programmes in Robotic Science and Automation, and Artificial Intelligence and Data Science

5. Renewable Energy and Energy Independence

In addition to academic expansion, Raffles University is committed to environmental sustainability, energy conservation, and responsible resource management.

The University proposes to progressively reduce its dependence on conventional energy sources and move towards **grid independence through the adoption of renewable energy**, subject to technical and financial feasibility.

The proposed initiatives may include:

- Installation and phased expansion of solar photovoltaic systems across suitable campus buildings and facilities.
- Assessment of campus-wide energy demand and preparation of a renewable energy implementation plan.
- Adoption of energy-efficient lighting, equipment, and electrical systems.
- Installation of appropriate energy storage and power management systems, wherever technically and financially feasible.
- Periodic energy audits to identify opportunities for reducing energy consumption and improving operational efficiency.
- Monitoring of renewable energy generation, energy savings, and reductions in conventional electricity consumption.

Through these initiatives, the University aims to establish a more sustainable campus, optimize long-term energy costs, and contribute to environmental protection and India's broader clean-energy objectives.

6. Implementation Strategy and Institutional Preparedness

The proposed Institutional Development Plan will be implemented in a phased manner, taking into consideration academic requirements, infrastructure development, faculty recruitment, financial resources, student demand, and applicable statutory and regulatory provisions.

The University will focus on the following implementation priorities:

1. **Academic planning:** Development of programme structures, curricula, academic regulations, and learning outcomes.
2. **Infrastructure development:** Provision of classrooms, laboratories, libraries, specialized equipment, and other facilities required for the proposed programmes.
3. **Faculty and human resources:** Recruitment of qualified faculty members, technical personnel, and administrative staff.
4. **Research and industry collaboration:** Promotion of research activities, internships, practical training, industry interaction, and institutional partnerships.
5. **Regulatory compliance:** Ensuring compliance with applicable UGC regulations and the requirements of relevant professional and statutory bodies, wherever applicable.
6. **Financial planning:** Allocation of resources for programme development, infrastructure, staffing, research, and renewable energy initiatives.
7. **Monitoring and review:** Periodic assessment of implementation progress and revision of priorities in response to changing academic, technological, and societal needs.

7. Expected Outcomes

The implementation of the Institutional Development Plan is expected to contribute to the following outcomes:

- Expansion of the University's academic portfolio across healthcare, agricultural sciences, engineering, technology, and forensic science.
- Increased opportunities for undergraduate, postgraduate, and doctoral education.
- Strengthening of research, innovation, and interdisciplinary academic activities.
- Improved alignment between academic programmes and emerging professional and industry requirements.
- Development of specialized skills and enhanced opportunities for student progression and employability.
- Strengthening of institutional infrastructure, faculty capabilities, and research facilities.
- Progressive reduction in dependence on conventional energy sources through renewable energy adoption.
- Advancement of the University's long-term vision of sustainable growth and academic excellence.

8. Conclusion

Raffles University, Neemrana, is committed to sustained institutional development through planned academic expansion, research advancement, infrastructure strengthening, and environmental sustainability.

The proposed year-wise development plan reflects the University's intention to respond proactively to emerging educational and professional opportunities while creating a strong foundation for multidisciplinary learning and research. The planned introduction of new Schools and academic programmes, together with the transition towards renewable energy and greater energy independence, represents an integrated approach to institutional growth.

Through systematic planning, appropriate resource allocation, regulatory compliance, and periodic evaluation, the University aims to strengthen its position as a progressive multidisciplinary institution dedicated to quality education, research, innovation, and sustainable development.

The proposed initiatives will be implemented in a phased manner, subject to institutional preparedness, resource availability, student demand, and applicable statutory and regulatory requirements.