QUANTUM UNIVERSITY
STRATEGIC PLAN
2022–27

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EXCELLENCE IN
TEACHING LEARNING

INNOVATIVE RESEARCH
AND CREATIVE
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SUCCESS

TRANSFORMATIVE
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INTRODUCTION

Quantum University stands at the precipice of a transformative era in education, with Indian education looking to adopt NEP 2020 and the whole system set to undergo a major overhaul. As a pioneering institution, Quantum University recognizes the immense opportunities and challenges presented by these stages. To harness its full potential, a well-crafted strategic plan becomes paramount in guiding the university's journey towards becoming a global leader in quantum education, research, and innovation.

This strategic plan outlines a comprehensive roadmap that will drive Quantum University towards academic excellence, industry partnerships, global recognition, and societal impact. It establishes a clear path to inspire the university community but also reflect the institution's commitment to staying at the forefront of delivering quality education and research. By focusing on the following key areas, this plan charts a course for Quantum University to thrive in the new era.

By embracing this strategic plan, Quantum University will position itself as a leader. It will attract top talent, foster innovation, and create a vibrant ecosystem that drives advancements in various fields. Through its commitment to academic excellence, industry partnerships, global collaborations, and social impact, Quantum University looks forward to shape the future of the young generation of India.

VISION

To be a seat of learning where a student gains academic and professional excellence, stays connected with the inner self, imbibes respect for human values, and becomes a world citizen.

MISSION

To be a forward-looking, ever-evolving University of merit that shall continually strive to promote all-round excellence among all its stakeholders to create a rich, eternal legacy of trust.

To imbibe values and ethics of global relevance such as gender and race equity, inclusive growth and also sustainable 'protection' and 'care' of the environment.

To ensure a high core competence in students in their respective domains that cater to the changes in technology and dynamics of industry demand. The students should be adaptable to change and be life-long learners.

To provide opportunities to students to nurture their skills in additional areas of knowledge, relevant to their times, through interdisciplinary pedagogy and robust Industry interface.

To ensure wellness and wellbeing of its students through a range of value addition programs and freedom to pursue one's passion in areas of interest, including sports, music, dance, theatre, community service, and many more.

To be a stronghold of liberated students who believe in the rich cultural heritage of their country, but have a truly global orientation.

PRIORITIES

The plan is organized around five priorities, which emerged from the work of the strategic plan development team, the various feedbacks received. The priorities are: Excellence in teaching and learning, innovative research and creative discovery, welcoming and inclusive environment, holistic well-being and success, and transformative societal impact.
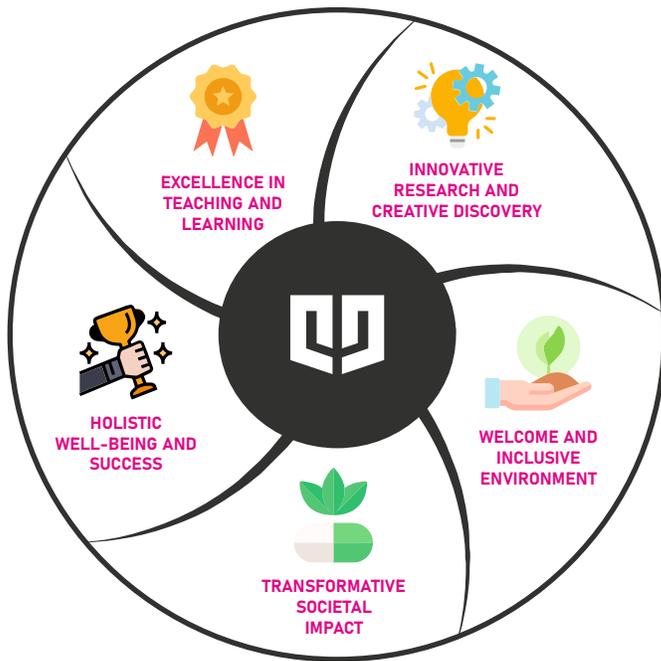
These five priorities are interconnected, each informing the others in crucial ways, and none taking precedence. Creating and maintaining an inclusive, welcoming, and equitable environment is crucial to excellence in teaching and learning, to successful research, to individual and community well-being, and to every other aspect of the university's mission.

Taken as a whole, the five areas emphasize that the university's priority is its people. Everything is done in support of those who come to campus—to learn, teach, discover, create, and work; in support of the university's partners in communities across Uttarakhand and beyond

GOALS

Excellence in teaching and learning: Foster high-quality teaching and dynamic educational experiences that empower all students to achieve their aspirations.

Innovative research and creative discovery: Advance the success of scholars, and researchers and build a culture of research and innovation in the University through various initiatives.

Welcoming and inclusive environment: Facilitate proactive campus cultural change to cultivate a more respectful, inclusive environment that embeds diversity and equity.

Holistic well-being and success: Provide a comprehensive foundation of support for individuals, beginning by attracting and retaining talented students, faculty, and staff who will contribute to a thriving university community.

Transformative societal impact: Expand the university's impact on local and regional communities, and India by leveraging its areas of distinction and resources.

1. Academic Excellence

a. Enhancing Education:

- Continuously improve the curriculum by incorporating the latest advancements, emerging technologies, and interdisciplinary approaches.
- Encourage faculty members to engage in professional development activities, attend conferences, and collaborate with experts in their respective fields.
- Establish teaching excellence programs to promote effective pedagogical methods and student-centered learning.
- To realign the Programs and their syllabi as per NEP 2020.

b. Research Empowerment:

- Create research-focused centres and laboratories
- Encourage faculty and students to undertake research projects, secure external funding, and publish high-impact research papers.
- Facilitate interdisciplinary research collaboration by organizing seminars, conferences, and research symposiums.
- Devise plan to apply for funding to various government and Non Government organizations.

2. Creating Entrepreneurship & Innovation Ecosystem

- QU Innovation Council (a non profit) incubator shall be established
- Startup policy for the university student and faculty shall be implemented through QUIC.
- QUIC shall be an agglomeration of existing centres I hubs that focus on innovation and incubation as well as Technology transfer activity.
- QUIC to bring together the Venture capitalists and the Entrepreneurs with innovative ideas under one umbrella, to facilitate seamless funding and to optimize the laboratory to market commercialization time.
- QUIC to apply for funding to various bodies as well as for recognition like MSME, Atal Incubation policy, Startup India etc.

3. Industry Partnerships and Collaboration

a. Collaborative Ecosystem:

- Foster strategic partnerships with industry leaders, technology companies, and research organizations to bridge the gap between academia and industry.
- Establish joint research initiatives and innovation hubs to facilitate knowledge exchange, technology transfer, and commercialization of research outcomes.
- Develop internship and co-op programs to provide students with practical industry exposure and enhance their employability.

b. Industry Advisory Boards:

- Form industry advisory boards comprising influential professionals who provide guidance on curriculum development, industry trends, and emerging skill requirements.
- Engage industry experts in curriculum reviews, ensuring program relevance and alignment with industry needs.
- Organize industry-focused workshops, seminars, and guest lectures to provide students with insights into real-world challenges and opportunities.

4. Global Recognition and Collaboration

a. International Partnerships:

- Form industry advisory boards comprising influential professionals who provide guidance on curriculum development, industry trends, and emerging skill requirements.
- Engage industry experts in curriculum reviews, ensuring program relevance and alignment with industry needs.
- Organize industry-focused workshops, seminars, and guest lectures to provide students with insights into real-world challenges and opportunities.

b. Global Outreach:

- Promote Quantum University as an attractive destination for international students seeking quality education in quantum sciences.
- Develop comprehensive support services for international students, including visa assistance, cultural integration programs, and language support.
- Leverage digital platforms to offer online courses and programs, expanding the university's global reach and impact.

5. Infrastructure and Technology

a. State-of-the-Art Facilities:

- Invest in modern infrastructure, including well-equipped laboratories, research centers, and simulation facilities, to support cutting-edge research and experimentation.
- Continuously upgrade technology infrastructure, ensuring high-speed internet connectivity, advanced computing resources, and access to specialized software and tools.

b. Digital Transformation:

- Embrace emerging technologies, such as virtual reality (VR), augmented reality (AR), and artificial intelligence (AI), to enhance teaching, research, and administrative processes.
- Develop an intuitive and user-friendly learning management system (LMS) to facilitate seamless online education delivery, collaboration, and assessment.

6. Student Support and Experience

a. Holistic Student Development:

- Establish comprehensive student support services, including academic advising, career counseling, mental health services, and extracurricular activities.
- Provide opportunities for leadership development, community engagement, and personal growth through clubs, societies, and student organizations.
- Foster a vibrant campus environment that encourages diversity, inclusivity, and a sense of belonging.

b. Alumni Engagement:

- Nurture and engage with a strong alumni network, providing mentoring opportunities, professional networking events, and continued learning resources.
- Leverage alumni expertise and connections to facilitate internships, job placements, and industry collaborations for current students.

7. Social Impact and Community Engagement

a. Sustainability Initiatives:

- Incorporate sustainability principles into the curriculum and research projects, promoting environmental consciousness and sustainable practices.
- Implement green initiatives on campus, such as renewable energy adoption, waste management programs, and eco-friendly infrastructure.

b. Community Outreach:

- Engage with the local community through outreach programs, volunteering initiatives, and partnerships with NGOs and government agencies.
- ·Undertake research and community development projects that address societal challenges, focusing on the needs of the region and beyond.

8. Continuous Evaluation and Improvement

a. Performance Assessment:

- Regularly evaluate program outcomes, student learning outcomes, and faculty performance to ensure continuous improvement.
- Collect feedback from stakeholders, including students, faculty, staff, alumni, and industry partners, to identify areas of strength and areas for improvement.
- Utilize data-driven insights and key performance indicators (KPIs) to make informed decisions and prioritize resources effectively.

b. Strategic Plan Review:

- Conduct periodic reviews of the strategic plan to ensure its alignment with the evolving needs of the education landscape.
- Update the plan based on emerging trends, technological advancements, and feedback from stakeholders.
- Communicate the progress and achievements resulting from the strategic plan to the university community and external stakeholders.

9. Resource Management

a. Financial Sustainability:

- Develop a comprehensive financial strategy that ensures sustainable funding for research, infrastructure development, student support, and strategic initiatives.
- Diversify revenue streams through research grants, industry collaborations, philanthropic partnerships, and efficient resource allocation.
- Maintain transparent financial practices and robust financial controls to optimize resource utilization.

b. Human Capital:

- Recruit and retain highly qualified faculty members with a passion for teaching and research.
- Foster a supportive and inclusive work environment that promotes professional growth, recognition, and work–life balance.
- Invest in professional development programs for faculty and staff to enhance their pedagogical skills, research capabilities, and leadership potential.

The adoption and successful execution of the above strategic plan would enable Quantum an **NIRF ranking among the top 200 institutions in the country** not later than December 2027. It would also help the university in gaining a NAAC Accreditation of A+

CAMPUS

22nd Milestone, Mandawar
Roorkee-Dehradun Highway
Roorkee - 247 167 Uttarakhand INDIA

HEAD OFFICE

14 Gandhi Road, IV Floor
Dehra Dun - 248 001 Uttarakhand

CONTACT

(P) +91 7308080803, +91 7308080804
(W) www.quantumuniversity.edu.in
(E) admissions@quantumuniversity.edu.in

TOLL FREE

1800 274 3014

Quantum
UNIVERSITY
ROORKEE, UTTARAKHAND