



**ATMIYA
UNIVERSITY**

NAAC – Cycle – 1
AISHE: U-0967

Criterion- 3

RI&E

KI 3.3

M 3.3.1

3.3.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS) including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of technology/knowledge and the outcomes of the same are evident

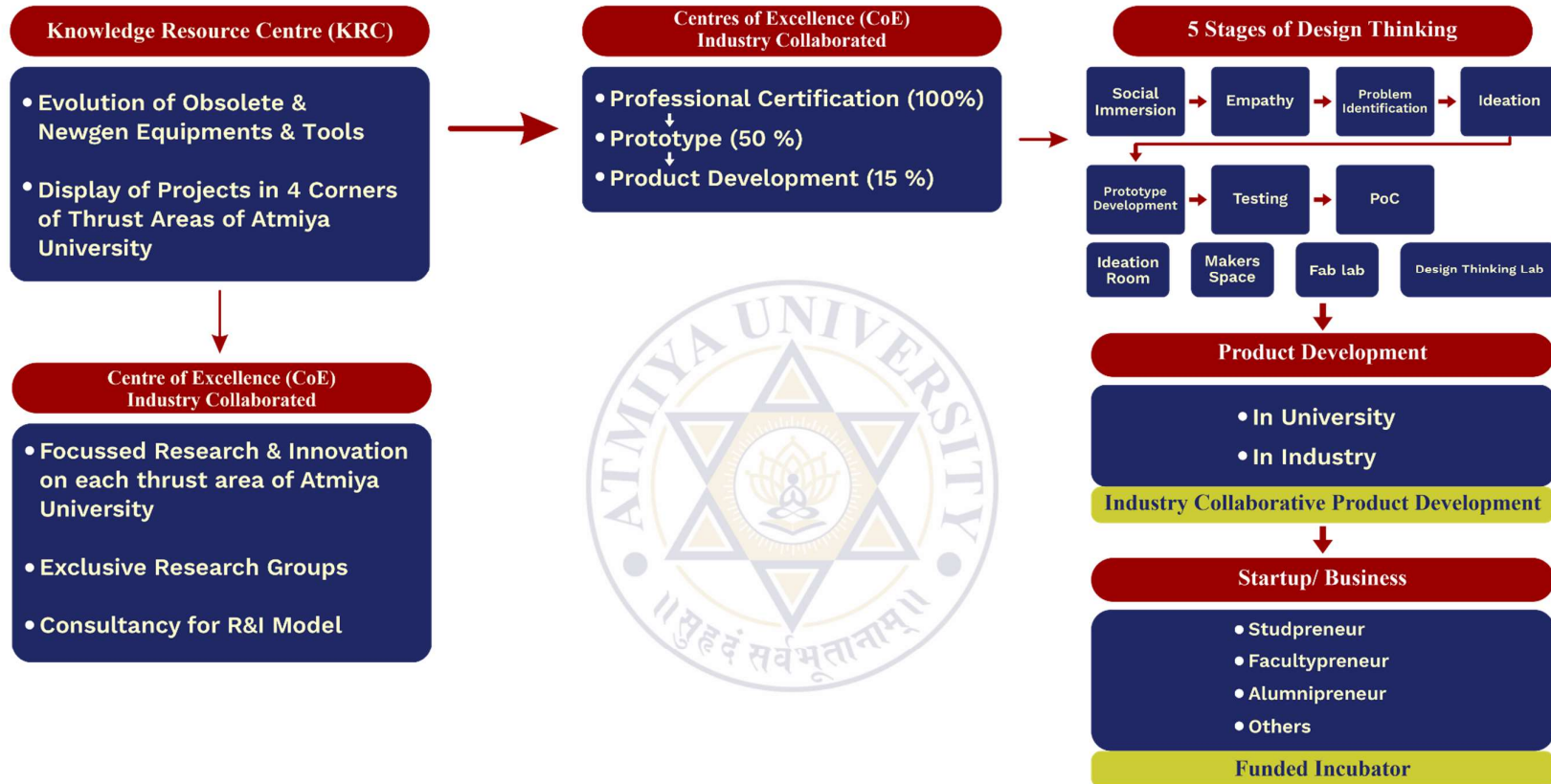
Research, Innovation, and Entrepreneurial Ecosystem

Atmiya University, Rajkot-Gujarat-India

Registrar

**Atmiya University
Rajkot**





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The Research, Innovation, and Entrepreneurial Ecosystem at Atmiya University will align with India's "Make in India" initiative and the "Viksit Bharat 2047" vision:

Step-by-Step Plan for Atmiya University's Research, Innovation, and Entrepreneurial Ecosystem

1. Establishing the Knowledge Resource Centre (KRC)

The foundation of this ecosystem begins with creating a **Knowledge Resource Centre (KRC)**, which will serve as a repository of both obsolete and modern technologies. The purpose of this centre is to:

- **Document the evolution** of various tools and technologies, enabling students and researchers to appreciate historical developments and understand current advancements.
- **Showcase research projects** from across the university, highlighting interdisciplinary collaboration and innovation.
- **Provide learning opportunities** for students and researchers to stay informed about outdated and cutting-edge tools, fostering a culture of continuous learning.

This KRC will act as the first step for anyone interested in diving deep into research, innovation, or entrepreneurship. It will ensure that the ecosystem is rooted in strong knowledge and awareness of technological advancements.

2. Defining Two Major Pathways: Research & Entrepreneurship

Once a solid foundation is laid with the KRC, students and faculty can choose one of two major pathways based on their orientation and interests:

A. Deep Research and Innovation:

- Those inclined towards research can immerse themselves in **industry-collaborated Centres of Excellence (CoEs)**. These centres will focus on:
 - **Deep research projects**, collaborating closely with industry partners to ensure practical and impactful outcomes.

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- Offering **consultancy services** to industries, contributing to innovation and growth across various sectors.
- Providing a space for **faculty and students** to engage in cutting-edge research aligned with industry needs, thus ensuring that academic research remains relevant to real-world challenges.

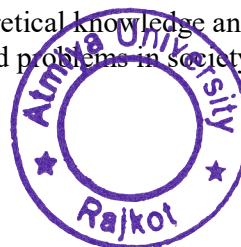
B. Entrepreneurship Development:

- For those aspiring to become entrepreneurs, the university will focus on:
 - **Professional certification programs** designed to enhance students’ skills in key areas such as product development, marketing, and business management.
 - A structured path where:
 1. **50% of students** who complete professional certifications will proceed to the **prototyping phase**.
 2. Out of these, approximately **15% will enter the product development phase**, where they either develop their products within the university ecosystem or with industry support.
 - Through these stages, Atmiya University will foster **startups and entrepreneurs**, creating Studpreneurs, Facultypreneurs, Alumnipreneurs, and others.

3. Supporting Infrastructure and Curriculum Components

To ensure smooth progress through these pathways, the university has the curriculum elements and will develop essential infrastructure. These include:

- **Tinkering Labs, Ideation Rooms, Makers Spaces, Fab Labs, and Design Thinking Labs:**
 - These spaces will provide an environment conducive to experimentation, idea generation, and prototyping. Students will be able to collaborate, experiment with new ideas, and develop innovative solutions.
- **Curriculum Components:**
 - To support innovation and entrepreneurship, Atmiya University has integrated components into its curriculum, such as:
 - **Orientation to Design Thinking:** Encouraging students to approach problems creatively and from a user-centred perspective.
 - **Concept to Practice:** Bridging the gap between theoretical knowledge and practical application.
 - **Social Immersion:** Engaging students with real-world problems in society to develop socially responsible innovations.





- **Domain-Specific Internships:** Providing hands-on experience in relevant industries.
- **Minor and Major Projects:** Offering opportunities for students to work on innovative projects, applying their learning to real-world scenarios.
- **Startup Support:** Encouraging students to take their projects to the next level by offering guidance, mentorship, and resources for launching startups.

4. Building an Entrepreneurial Ecosystem

- Atmiya University’s entrepreneurial ecosystem will aim to cultivate a community of diverse entrepreneurs, including **Studpreneurs (student entrepreneurs), Facultypreneurs (faculty entrepreneurs), and Alumnipreneurs (alumni entrepreneurs)**. This will be achieved through:
 - **Funded incubators:** Offering financial support, mentorship, and resources for startup ventures.
 - **Collaborations with industry:** Establishing partnerships with businesses to ensure that entrepreneurial projects are aligned with market needs.
 - **Access to investors and venture capital:** Facilitating connections between budding entrepreneurs and potential investors.

5. Fostering a Collaborative Relationship Between Academia and Industry

At the core of this ecosystem is the university’s commitment to fostering a **strong collaborative relationship between academia and industry**. This will be achieved by:


- **Industry-Collaborated CoEs:** Ensuring that research and innovation projects are co-developed with industry partners, bridging the gap between academic research and real-world application.
- **Consultancy Services:** Faculty and researchers will offer consultancy services to industries, thus contributing to their growth while gaining practical insights for academic research.
- **Internships and Real-World Projects:** Through domain-specific internships and projects, students will gain first hand industry experience, while companies will benefit from innovative ideas and solutions provided by the university community.

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6. Aligning with India's Strategic Vision for 2047

- This ecosystem is designed to align with India's "**Make in India**" initiative by focusing on indigenous innovation and product development.
- It will also contribute to India's "**Viksit Bharat 2047**" vision by nurturing a new generation of entrepreneurs and innovators who will lead the country towards becoming a global hub for innovation, technology, and manufacturing.
- By 2047, Atmiya University aims to contribute to the creation of a self-reliant, innovative, and prosperous India.

In this way, Atmiya University's Research, Innovation, and Entrepreneurial Ecosystem is an ambitious, multi-faceted approach designed to foster deep research, drive innovation, and cultivate entrepreneurship. By creating a Knowledge Resource Centre, offering specialized pathways for research and entrepreneurship, building a robust support infrastructure, and aligning with national strategic goals, the university is positioning itself as a leader in driving India's future development. This ecosystem will not only benefit students, faculty, and alumni but will also make significant contributions to industry and society as a whole.



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Ecosystem for Knowledge Creation (Research & Innovation) and Knowledge Dissemination (Transfer of Technology with IPR)

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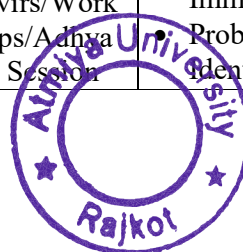




Atmiya University has established a comprehensive ecosystem for Knowledge Creation (Research & Innovation) and Knowledge Dissemination (transfer of technology with IPR) to foster simultaneous growth and impact of every vertical of KCKD

1. Components & scope of ecosystem

Administrative			Academic		Infrastructure & Promotion	
Policy	Facilitative Structure		Exclusive Faculty	Experiential conversion of Design Thinking to Innovation Incubation	Facilities	Promotion
Knowledge Creation & Knowledge Dissemination Policy(KC&KD)	Centre for Research, Innovation & Translation(CRIT)	Centre for Business and Entrepreneurial Initiatives(CBEI)	Faculty of Transformative Education			
Sub Policy	Academic Research Cell	Entrepreneurship Development Cell	School of Consciousness Development	Entry Level	AVINYA (Atmiya Vishvavidyalaya Innovation Nest for Young Achievers)	Sensitisation
<ul style="list-style-type: none"> • IPR • Plagiarism • Seed Money • Consultancy • Financial Support • Sharing 	<ul style="list-style-type: none"> • PhD • UG Projects • PG Dissertations • C2P • Others 	<ul style="list-style-type: none"> • Workshops/training sessions / mentorship programs • Guidance in prototyping/funding/scaling ventures 	<ul style="list-style-type: none"> • Integrated Ph.D. • Experiential credit courses • UG • PG • Shivirs/Workshops/Adhyayan Session 	<ul style="list-style-type: none"> • Tinkering Lab • Design Thinking Course • Social Immersion • Problem Identification 	<ul style="list-style-type: none"> • KRC • Tinkering Lab • Fab Lab • Design Thinking Labs • Ideation room • Makerspace 	<ul style="list-style-type: none"> • Research Scholars • UG • PG





Administrative			Academic		Infrastructure & Promotion	
Thrust areas	Sponsored Research Cell & Cell Incubation	School of IKS	Mid-Level	CRUISE (Convertor of Research & Unique Innovation into Startup & Entrepreneurship)	Capacity Building	
<ul style="list-style-type: none"> • Sustainable Technology • Sustainable Business • Sustainable Health • Sustainable Indian Knowledge Systems 	<ul style="list-style-type: none"> • Training • Awareness • Submissions 	<ul style="list-style-type: none"> • Startup Mentoring • Co-working spaces/labs • Partnerships with industry/academia/government bodies 	<ul style="list-style-type: none"> • 4 courses • ABHIGYAN Centre • 2 MoUs 	<ul style="list-style-type: none"> • Internship • Concept / Prototype • Testing 	<ul style="list-style-type: none"> • Fab lab • Domain labs • Incubator 	<ul style="list-style-type: none"> • Faculty • Emerging trends • Proposal writing
	Translation Cell	School of sustainability	High level	CRL		
	<ul style="list-style-type: none"> • IPR • Seminars/Workshops / Conferences • Publications • Presentations • Participation 	<ul style="list-style-type: none"> • Orientation to SDG Course • Experiential Learning • Environmental Studies Course 	<ul style="list-style-type: none"> • Internship • Mini projects • Major Projects • Incubation 	<ul style="list-style-type: none"> • High end Research equipment 		

