



Annual Report 2023-24
Alliance University, Bengaluru

A. About IIC Institute

Vision: To develop an innovative education system and provide opportunities for students to participate in IIC activities, fostering a culture of entrepreneurship.

Mission:

- To provide awareness workshops focusing on entrepreneurship and innovation for addressing societal issues
- To encourage students and researchers to participate in national/international level ideathons, hackathons, and makeathons
- To establish a methodology for protecting intellectual properties and create a support system for nurturing innovative ideas

Journey of IIC: The Institution's Innovation Council (IIC) at Alliance University was established as part of the initiative by the Ministry of Education (MoE), Government of India, to foster a culture of innovation and entrepreneurship in higher education institutions. Since its inception, the IIC has been actively working to create an ecosystem that nurtures innovation, promotes entrepreneurship, and supports the development of innovative ideas and solutions.

Diversified representation: The IIC at Alliance University includes representatives from various schools and departments, as well as industry experts, to ensure a multidisciplinary approach to innovation and entrepreneurship.

B. Key Functionaries at the IIC Institute

- **President:** Dr. B. Priestly Shan, Pro Vice-Chancellor (Academic Affairs)
- **Vice-President:** Dr. Ray Titus, Pro Vice-Chancellor (Innovation and Incubation)
- **Convenor:** Dr. Sasmita Bal, Associate Professor, Mechanical Engineering
- **Coordinators:** Various faculty members from different schools and departments



C. Resource Strength

Human Capital:

- Total No. of IIC Members: 25-30 (based on meeting attendance)
- Total No. of Innovation Ambassadors (IAs): 3
- Total No. of faculty Mentors from Portal: 14

Physical Capital:

- Incubation Units: Technology Business Incubator, supported from MSME, Govt. of India
- IP Facilitation Unit: AU IPR Cell in collaboration with KSCST and NRDC

D. Facilities and Infrastructure

Alliance University has developed a comprehensive ecosystem to support innovation, research, and entrepreneurship through a network of specialized Centers of Excellence (CoEs) and support facilities.

Centres of Excellence: The university hosts several CoEs, each equipped with cutting-edge technology and resources:

1. Additive Manufacturing CoE: Features state-of-the-art 3D printing facilities for rapid prototyping and advanced manufacturing research.
2. Makerspace: A collaborative workspace with diverse fabrication tools including 3D printers, CNC machines, IoT kits, and various electronic testing equipment.
3. Intel IoT CoE: Focuses on Internet of Things innovation, offering resources for developing smart city, healthcare, manufacturing, and agriculture solutions.
4. Robotics CoE: Equipped with advanced robotics systems, including ABB robots and e-Yantra lab-in-a-box setups for research and education.
5. iOS App Development CoE: Provides access to Apple hardware and software for iOS app development and research.
6. Propulsion Systems CoE: Houses facilities for experimental evaluation of propulsion technologies, including hybrid propellant testing and micro gas turbine setups.
7. High Performance Computing (HPC) CoE: Features HPC clusters and specialized hardware for advanced computational research.



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8. Cyber Security CoE: Offers dedicated labs for research in areas like threat intelligence, network security, and ethical hacking.
9. Immersive Technologies CoE: Equipped with VR/AR hardware and software for developing immersive applications.
10. Computer Vision CoE: Provides resources for research in AI, machine learning, and computer vision applications.
11. Sophisticated Testing and Instrumentation Centre (AU-STIC): Houses advanced analytical instruments like X-Ray Diffractometer, Scanning Electron Microscopy, and various spectroscopic tools.

Incubation and Entrepreneurship Support: The Alliance University - Technical Business Incubator (AU-TBI) offers comprehensive support for startups, including:

- Dedicated co-working spaces with high-speed internet and utilities
- Access to university labs and prototyping facilities
- Mentorship from faculty, alumni, and industry experts
- Seed funding assistance and investor networking opportunities
- Legal, accounting, and regulatory compliance guidance

The incubator focuses on areas such as ICT, IoT, AI/ML, robotics, and emerging technologies like AR/VR and blockchain.

Intellectual Property Support: The university's Intellectual Property Rights (IPR) Cell provides crucial support for innovation protection and management:

- Conducts IP awareness and education programs
- Offers prior art searches and patentability assessments
- Assists with patent drafting and filing
- Supports technology transfer and commercialization efforts
- Provides IP valuation, audits, and litigation support

These facilities and infrastructure components create a holistic ecosystem that nurtures innovation from ideation to commercialization. By providing access to advanced technologies, expert

guidance, and support services, Alliance University empowers its students, faculty, and external entrepreneurs to pursue cutting-edge research and develop innovative solutions to real-world challenges.

Student bodies/clubs engaged in Promotion of Innovation and Entrepreneurship:

Alliance University hosts a diverse range of student-led clubs and bodies that contribute to fostering innovation and entrepreneurship on campus. These include:

1. **Prometheus: The Finance Club** - Focuses on building knowledge and skills in finance, encouraging students to explore career ambitions across the financial sector.
2. **Aero-Mech Club** - Brings together students from multidisciplinary engineering fields passionate about aerospace applications, aiming to inspire technological innovation and entrepreneurial spirit.
3. **Praxeis - The Operations Club** - Prepares business management students for the corporate world by developing networking skills and enhancing knowledge in operations management.
4. **Analutika - The Business Analytics Club** - Committed to fostering understanding, application, and progress in business analytics, empowering students to derive useful insights from data.
5. **Google Developer Students Club (GDSC)** - Provides a platform for students interested in Google developer technologies, encouraging them to build solutions for local businesses and their community.
6. **Marketrix - Marketing Club** - Aims to build a community of students to enhance their marketing skills, potentially leading to innovative marketing solutions and strategies.
7. **International Business Club** - Serves as a hub for students passionate about exploring the diverse world of international business, fostering ideas to drive advancements in this arena.
8. **EECSIT Club** - Brings together students interested in electrical engineering, electronics, computer science, and information technology, cultivating a community of innovators and problem-solvers at the forefront of technological advancements.

These clubs organize various activities such as workshops, seminars, competitions, and industry interactions that complement the university's efforts in promoting innovation and entrepreneurship. They provide students with platforms to apply theoretical knowledge to practical scenarios, develop critical thinking skills, and explore entrepreneurial ideas in their respective fields.

E. Achievements

- Number of I&E and IPR activities Conducted: Over 30 major events, workshops, and activities
- No. of student & faculty ideas generated: 50
- No. of student & faculty Innovation/prototypes developed: At least 50 working prototypes showcased
- No. of IPs generated, published and granted: 80, 80, and 12 respectively
- No. of Student & Faculty Start-ups/Ventures established: 4 startups for the academic year 2023-24
- Amount spent on promotion and awareness generation: 5 Lakhs
- Amount grant or fund supported to innovations, start-ups and IPR: Seed funding provided to top 3 teams in some competitions
- No. of Technology Transfer and Commercialisation: 0

F. Best IIC Faculty/Student Members and Achievements





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G. Selected Best Innovations



BizCraft Battle - A Business Plan Competition

16 Feb 24, 09:00 AM-6:00 PM

Xavier Institute of Management and Entrepreneurship (XIME), Bangalore

From Strategy to Success, Alliance University Conquered the BizCraft, Battle Step into the future of business innovation with Parth Kharia and Shashwat Sharma, where bold ideas Meet Recognition.



Business Plan - Magnovite 2024

Parth Kharia of BBA LLB & Shashwat Sharma MBA got victory in the business plan competition during Magnovite at Christ University.



Alta - Vista Management and Technology Winners

Our heartiest congratulations to Aadi Kanwar & Saksham Sharma, B.Tech, Swojit Karmakar, MBA, Somyadeep Layek and Krisha Mendapara, BBA, who bagged First Position in the Alta - Vista Management and Technology organised by Christ University on 9th of September 2023 making Alliance University proud.

H. Selected Start-ups Established

Ally Mobility

DreamHome

Ecospin

I. Breakthrough Innovations / Technology Developed

Not Applicable

J. Participation in Government Programs

- NISP Adoption status: Adopted
- Smart India Hackathon: Not participated
- YUKTI Innovation Challenge: Not participated

K. Social Media & Connections

<https://www.alliance.edu.in/research-au-iic>

<https://www.linkedin.com/school/allianceuniofcl/posts/?feedView=all>

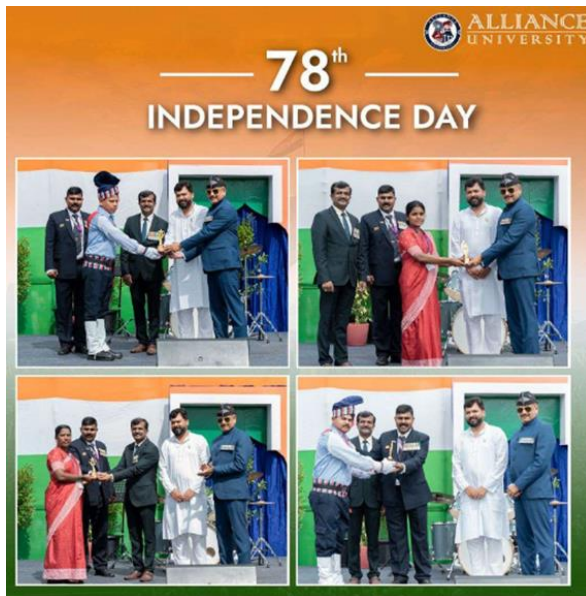


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**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

M. Images





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ACIPR
Alliance School of Law

NATIONAL WORKSHOP ON FOSTERING INNOVATION AND CREATIVITY THROUGH SUSTAINABILITY TOWARDS A COMMON FUTURE

RESOURCE PERSONS

Mr. NIKHIL Srinivasa Reddy
Partner at NKS Partners Bangalore

Mr. Sanjeeth Hegde
Partner at David & Co. Bangalore

Mr. Prasanna K. Ravi
Founder of Pross & Bangalore



Photographs:



Inauguration



During the Lecture



Question and Answer Session



Group Photo





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N. Contact

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FOSTERING INNOVATION & ENTREPRENEURSHIP 2023-24

Empowering Innovators, Nurturing Entrepreneurs



Key Achievements

- 30+ Innovation & Entrepreneurship events
- 50 Working prototypes showcased
- 80 IPs generated and published, 12 granted



Startups

- 3 New startups established
- Featuring:
Ally Mobility,
DreamHome,
EcoSpin



Innovation Infrastructure

- 11 Centers of Excellence
- AU-TBI Incubator
- IPR Cell for IP support



Student Achievements

- BizCraft Battle winners
- Magnovite 2024 Business Plan winners
- Alta-Vista Management & Technology winners

CONTACT DETAILS

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