



## RESEARCH ECOSYSTEMS

Amity University boasts a robust research ecosystem that fosters innovation and facilitates groundbreaking research across its diverse academic disciplines. This ecosystem is characterized by several key components that work in synergy to promote a vibrant research culture and drive meaningful contributions to various fields of knowledge.

### 1. Directorate of Research & Publication

The Directorate of Research and Publication (DR&P) at Amity University plays a crucial role in promoting and facilitating cutting-edge research activities. It spearheads research initiatives, fostering collaborations, and supporting researchers to achieve academic excellence. The DR&P's mission aligns with Amity University's vision to establish itself as a global leader in education, research, and innovation.

It is responsible for overseeing and promoting research and publication activities. The DR&P is playing central role in the following activities:

- Developing and implementing research policies and strategies.
- Managing research funding and grants.
- Providing support for researchers, including training, mentoring, and access to research facilities.
- Promoting research collaboration and partnerships.
- Ensuring the quality and dissemination of research outputs.

### Impact of Amity Directorate of Research & Publication:

- The DR&P has significantly impacted Amity University's research landscape, leading to:
  - Increased Research Productivity: The DR&P's support has led to a notable rise in research publications by Amity faculty, contributing to the university's growing reputation for research excellence.
  - Enhanced Research Quality: The DR&P's emphasis on quality control has raised the bar for research at Amity, ensuring that publications meet international standards and contribute to the advancement of knowledge.
  - Broader Impact of Research Findings: The DR&P's efforts to promote dissemination have resulted in greater exposure for Amity's research findings, both within academia and to industry stakeholders.
  - Improved Research Infrastructure: The DR&P plays a role in securing funding for research infrastructure, providing researchers with the tools and resources they need to conduct cutting-edge research.
  - Global Recognition: Amity University's research contributions have gained recognition from international organizations and institutions, further solidifying its position as a leading research university.

### 2. Research Infrastructure

Amity University is committed to providing its researchers with state-of-the-art research facilities and infrastructure to support their cutting-edge research endeavors. This includes:

- **Advanced Laboratories:** Amity possesses a network of well-equipped laboratories across various disciplines, providing researchers with the tools and technology necessary for their research activities.
- **Central Instrument Research Facility (CIRF):** The CIRF provides access to sophisticated analytical instruments, enabling researchers to conduct complex analyses and obtain high-quality data.
- **Computational Facilities:** Amity's high-performance computing resources provide researchers with the computational power needed for data-intensive research projects.
- **Library Resources:** Amity's extensive library holdings, including both physical and electronic resources, provide researchers with access to a wealth of information to support their research.

### **3. Seamless connectivity of Stakeholder (University + Industry+ Laboratories + Society)**

Seamless connectivity of stakeholders for research and innovation is crucial for accelerating the pace of discovery and bringing new ideas to market. By fostering open communication and collaboration among researchers, industry partners, government agencies, and other stakeholders, we can break down silos, share resources, and pool expertise to solve complex problems and develop groundbreaking solutions.

**By investing in seamless stakeholder connectivity, Amity University is creating an environment that fosters collaboration, innovation, and the rapid translation of research findings into real-world solutions. This will drive economic growth, improve social well-being, and address the pressing challenges facing our world.**

### **4. IPR Cell**

The IPR Cell of Amity University Madhya Pradesh (AUMP) plays a crucial role in fostering intellectual property protection and promoting innovation at the university. It provides comprehensive guidance and support to AUMP faculty, researchers, and students on intellectual property rights (IPR), ensuring that their creative ideas and inventions are safeguarded and exploited effectively. The IPR Cell's expertise covers various aspects of IPR, including patent filing, trademark registration, copyright protection, and licensing strategies. It also organizes workshops, seminars, and training programs to raise awareness about IPR among the Amity Faculty members, students and research scholars.

**5. Centre for Detection of Fake News and Disinformation:** To catch and identify fake/cloned/predatory journals.

### **6. Drive Engines & Persuaders**

Drive engines and persuaders in research are the factors that motivate and influence researchers to conduct and disseminate their work. The Drive Engines and Persuaders in Amity University Madhya Pradesh are motivating the faculty members, research scholars and students to undertake the research by sharing the schemes, fellowships and other schemes by conducting routine meetings.

### **7. Research Coordinators & Ph.D. Coordinators**

Research coordinators and Ph.D. coordinators play an essential role in supporting research activities at Amity University Madhya Pradesh. AUMP has appointed a University Research Coordinator and university Ph.D. Coordinator to coordinate with the institute coordinators. While their roles share some similarities, they also have distinct responsibilities.

Feature	Research Coordinators	Ph.D. Coordinators
Primary focus	Operational aspects of research projects, identification and sharing of research schemes to the respective institutes and faculty members to apply for a grant. Guiding new faculty members about the formatting of projects, especially budget requirements and uniqueness.	Academic and professional development of PhD students
Typical duties	Project planning, data management, for regulatory compliance, communication, grant management etc.	Admissions and, orientation of Ph.D. students, synopsis submission and helping in Ph.D. submission process.

## 8. Research Culture and Incentives

Amity University fosters a research-oriented culture that recognizes and rewards the achievements of its researchers. This includes:

- Recognition and Awards: Amity recognizes and celebrates the research accomplishments of its faculty and students through various awards and honors.
- Research Funding Opportunities: Amity provides internal funding opportunities through competitive research grants, encouraging researchers to pursue innovative research projects.
- Faculty Development Programs: Amity offers faculty development programs to enhance the research skills and expertise of its faculty, further strengthening the research capabilities of the university.
- Research Collaboration Opportunities: Amity encourages and facilitates research collaboration among its faculty, researchers, and external partners, promoting knowledge exchange and innovation.

## 9. Research Outputs

Amity University's commitment to research is evident in its impressive research outputs. The university's faculty and researchers consistently publish high-quality research papers in leading national and international journals, present their work at prestigious conferences, and contribute to the advancement of knowledge across various fields.

## **10. Other Aspects:**

- Senior researchers and young vibrant brains are working seamlessly.
- Focus on Professional Development of Faculty
- Nobel Laureates interaction with faculty & students
- International faculty as Ph.D co-guide
- Lectures, Conference, Seminars, FDPs & Workshops
- MoUs with different Organisations for Research
- ASTIF Fellowship to attract young bright brains.
- Honorary & Adjunct Professors
- Self-Declared Targets for Research
- Support for Patent & Copyright.

## **10. Amity Centre of Excellence: Amity University Madhya Pradesh, Gwalior has established the following 06 centres of excellence to enhance research and innovation activities.**

- a. Amity Centre of Excellence for Chemical Biological Nuclear and Radiological Mitigation.
- b. Amity Centre of Excellence for Environmental Conservation and Biodiversity.
- c. Amity Centre of Excellence for Nanobiotechnology and Alternative Medicine.
- d. Amity Centre of Excellence for Centre of Excellence for Smart City
- e. Amity Centre of Excellence Centre for Detection of Fake News and Disinformation
- f. Amity Centre of Excellence Centre for Tribal Development

## **Conclusion**

Amity University's research ecosystem is designed to nurture innovation, encourage collaboration, and promote groundbreaking research that addresses critical challenges and contributes to the advancement of knowledge. Through its comprehensive support systems, state-of-the-art research infrastructure, and vibrant research culture, Amity University continues to establish itself as a leading research institution, shaping the future through its research endeavours.