



Indian Knowledge System

PDEA'S Waghire College of Arts, Commerce and Science, Saswad has established a comprehensive ecosystem that fosters innovation and integrates the rich heritage of the Indian Knowledge System (IKS). This ecosystem is designed to encourage creativity, research, and the application of traditional Indian knowledge in modern contexts. By blending contemporary technological advancements with age-old wisdom, the institution aims to create a unique learning environment that promotes holistic education and sustainable development.

Key Components of the Ecosystem

1. Academic Research Council and Research Advisory Committee

The Academic Research Council (ARC) and the Research Advisory Committee (RAC) at PDEA'S Waghire College Saswad are integral components of the institution's commitment to advancing academic excellence and fostering a vibrant research culture. These bodies provide strategic direction, oversight, and support for all research activities, ensuring that they align with the institution's mission and goals.

Academic Research Council (ARC)

Purpose and Objectives

The ARC is tasked with setting the overall research agenda for the institution. It focuses on promoting high-quality research, enhancing academic standards, and supporting faculty and student researchers. The primary objectives of the ARC include:

- Developing and implementing research policies and strategies.
- Encouraging interdisciplinary research and collaboration.
- Ensuring ethical standards in all research activities.
- Facilitating access to funding and resources for research projects.

Composition

The ARC is composed of senior faculty members, research scholars, and administrators with significant experience in academic and research activities.

Academic Research Committee		
Sr. No.	Name	Designation
	Dr. Sandip Rathod	ARC, Co-ordinator
	Dr. Vilas Wani	Member
	Prof. Vishakha Ganvir	Member
	Dr. Bhagyashri Madbhavikar	Member
	Dr. Vijay Puneekar	Member
	Dr. Kishor Lipare	Member
	Dr. Tushar Dilpak	Member
	Dr. Vidya Patankar	Member
	Dr. Madhavi Kamthe	Member
	Prof. Dnyaneshwar Jagdale	Member
	Shri. Ravindra Jadhav	Member
	Ms. Siddhi Tanawade	Student Representative

Research Advisory Committee (RAC)

Purpose and Objectives

The RAC serves as a consultative body that provides expert guidance and strategic advice on specific research areas. It aims to align research projects with national and global priorities and ensures that the institution's research outputs are relevant and impactful.

The main objectives of the RAC include:

- Identifying emerging research trends and opportunities.
- Advising on the prioritization of research areas.
- Facilitating partnerships with external research organizations and industry.
- Providing oversight for the implementation of large-scale research projects.

Composition

The RAC comprises College Principal, Coordinator and members from the college along with external experts, including distinguished researchers, industry professionals, and academicians from other institutions. This diverse composition brings a wide range of perspectives and expertise to the table, enriching the institution's research endeavours.

Research Advisory Committee		
Sr. No.	Name	Designation
	Prin. Dr. Pandit Shelke	Chairman
	Dr. Kishor Lipare	Coordinator
	Dr. Bajrang Shinde	Member
	Dr. Sanjay Zagade	Member
	Dr. Subhash Wavhal	Member
	Dr. Sandip Rathod	Member

2. Innovation Hub and Incubator under Consideration

The institution has intended to set up innovation hub and incubation centre on priority basis that will provide infrastructure, mentorship, and financial support to students, researchers, and faculty with innovative ideas. This centre will focus on nurturing startups and projects that leverage cutting-edge technology, while also drawing inspiration from traditional Indian practices and indigenous knowledge.

2. Indian Knowledge System (IKS) Integration

The Indian Knowledge System is an integral part of the curriculum and research initiatives at WCS. This integration involves the study and application of various disciplines, such as Ayurveda, Yoga, Sanskrit, traditional arts, traditional food and ancient Indian sciences. By incorporating these elements, the institution fosters a deeper understanding of India's cultural heritage and its relevance in contemporary society.

3. Research and Development (R&D) Initiatives

The institution encourages interdisciplinary research that combines modern scientific methods with traditional Indian knowledge. This includes projects in areas such as alternative medicine, sustainable agriculture, environmental conservation, and ethical business practices inspired by ancient Indian texts. The R&D initiatives aim to create solutions that are not only innovative but also culturally rooted and environmentally sustainable.

4. Collaborative Platforms

WCS has established collaborative platforms with various stakeholders, including industry partners, government agencies, and other educational institutions. These collaborations are designed to facilitate knowledge exchange, resource sharing, and joint research projects. By partnering with organizations that value both innovation and tradition, the institution creates a synergistic environment for growth and development.

5. Intellectual Property and Knowledge Transfer

The institution's Intellectual Property (IP) Cell plays a crucial role in protecting and managing the intellectual property generated from innovative projects. It ensures that innovations and traditional knowledge are appropriately documented, patented, or trademarked, and that knowledge transfer occurs ethically and legally. This helps in safeguarding indigenous knowledge while promoting its wider application.

6. Curriculum and Pedagogy

The curriculum is designed to encourage critical thinking and creativity. Courses related to the Indian Knowledge System are offered alongside modern disciplines, providing students with a well-rounded education. Pedagogical approaches include experiential learning, project-based learning, and community engagement, enabling students to apply their knowledge practically and innovatively.

7. Community Engagement and Extension Activities

The institution actively engages with local communities to share knowledge and innovations derived from both modern research and traditional practices. This engagement includes workshops, seminars, and outreach programs that aim to educate the public and promote sustainable practices. By involving the community, the institution helps preserve and disseminate traditional knowledge while also addressing contemporary challenges.

PDEA'S Waghire College of Arts, Commerce and Science, Saswad has created a vibrant ecosystem that not only nurtures innovation but also honors and integrates the Indian Knowledge System. This unique blend of tradition and modernity provides students and researchers with a holistic educational experience, preparing them to contribute positively to society. The institution's efforts in fostering innovation and preserving cultural heritage demonstrate a commitment to sustainable development and global leadership in education.



Intellectual Property Rights (IPR) Awareness and IP Cell Policy Document

This policy document outlines the establishment and functioning of the Intellectual Property Rights (IPR) Cell under the Academic Research Council and Research Advisory Committee at PDEA'S Waghire College of Arts, Commerce and Science, Saswad. The primary aim of this document is to foster a culture of innovation and protect the intellectual property generated by faculty, students, and researchers within the institution.

Objectives

1. **Promote IPR Awareness:** To educate and raise awareness among faculty, students, and staff about the importance of Intellectual Property Rights (IPR) and the benefits of protecting intellectual property. IPR related workshops organised by the College. We registered local chapters for MOOCS and SWAYAM.
2. **IP Protection and Management:** To provide guidance and support in identifying, protecting, and managing intellectual property created within the institution.
3. **Encourage Innovation and Creativity:** To foster an environment that encourages innovation, creativity, and entrepreneurship among all members of the institution. College organised programs like science exhibitions, Innovation Competitions, and students' participation in AVISHKAR Competition (State Government Competition) conducted by Savitribai Phule Pune University, which encourage original and novel thinking among students and teachers. Also helps to inculcate research culture among students. It helps to interact among academia, R&D institutes, and industries.
4. **Compliance and Legal Support:** To ensure compliance with national and international IPR laws and regulations and provide legal support related to IP issues.

Structure and Roles

The IPR Cell will function under the Academic Research Council and the Research Advisory Committee, comprising the following members:

1. **IPR Cell Coordinator:** A faculty member appointed to oversee the activities of the IPR Cell.
2. **Faculty Representatives:** Faculty members from various departments with expertise in research and innovation.
3. **Legal Advisor:** A legal expert specializing in intellectual property law.
4. **Student Representatives:** Selected students who have demonstrated a keen interest in research and innovation.

Key Activities

1. **IPR Awareness Programs**
 - a. Conduct workshops, seminars, and training sessions on IPR topics such as patents, copyrights, trademarks, and trade secrets.

- b. Develop and distribute informational materials, including brochures and online resources, to enhance understanding of IPR.

IP Identification and Protection

- a) Assist faculty and students in identifying potential intellectual property assets.
- b) Guide the process of filing for patents, trademarks, copyrights, and other forms of IP protection.
- c) Maintain a database of all IP assets created within the institution.

IP Policy and Documentation

- a) Develop and implement institutional policies related to the ownership, management, and commercialization of IP.
- b) Draft and review agreements related to IP, including licensing agreements, non-disclosure agreements (NDAs), and collaboration agreements.

Support for Commercialization

- a) Provide guidance on the commercialization of IP, including market analysis, business planning, and negotiation of licensing deals.
- b) Facilitate connections between researchers and potential industry partners or investors.

Legal and Compliance Assistance

- a) Offer legal advice on IP issues, including infringement, disputes, and enforcement of IP rights.
- b) Ensure compliance with relevant IPR laws and institutional policies.

IP Ownership and Revenue Sharing

1. **Ownership:** The ownership of IP generated by faculty, students, and staff will be determined based on the institution's IP policy, considering factors such as the use of institutional resources and the nature of the work.
2. **Revenue Sharing:** Any revenue generated from the commercialization of IP will be shared among the creators, the institution, and any third-party collaborators, as per the terms outlined in the institution's IP policy.

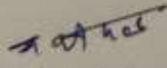
Confidentiality and Ethical Considerations

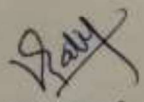
1. **Confidentiality:** All members of the IPR Cell and related stakeholders must maintain confidentiality regarding any disclosed inventions or creative works until appropriate protection is secured.
2. **Ethical Conduct:** The IPR Cell will ensure that all actions related to IP management adhere to high ethical standards and respect the rights and contributions of all parties involved.

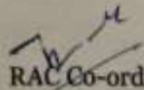
Monitoring and Reporting

The IPR Cell will regularly monitor the progress of its activities and report to the Academic Research Council and Research Advisory Committee. Annual reports will include metrics such as the number of IP filings, awareness programs conducted, and revenue generated from IP commercialization.

The establishment of the IPR Cell under the Academic Research Council and Research Advisory Committee reflects PDEA'S Waghire College of Arts, Commerce and Science, Saswad, commitment to fostering innovation, protecting intellectual property, and supporting the commercialization of research outputs. This policy document will be reviewed periodically to adapt to changes in the IP landscape and the needs of the institution.


ARC Co-ordinator
Dr. S. B. Rathod


ARC Member
Dr. V. V. Patankar


RAC Co-ordinator
Dr. S. H. Zagade


Principal

Dr. Pandit Shelke

PRINCIPAL
Waghire College, Saswad
Tal. Purandar, Dist. Pune.



Activities Under Innovations, IPR and Indian Knowledge System at WCS



Participation of Students in Avishkar, Science and Innovation Exhibition

