



Research & Development Cell R.P.S. Degree College

Explore the Unknown, Achieve the Unbelievable

Mission

To foster a culture of research and innovation among faculty and students, promote interdisciplinary research, and facilitate the development and application of new knowledge in academic and professional fields, contributing to the advancement of science, technology, and society.

Vision

To establish R.P.S. Degree College as a hub of excellence in research and innovation, empowering students and faculty to explore new ideas, solve real-world problems, and contribute to societal progress through high-quality, impactful research.

Nature of the Research & Development Cell

The **Research & Development Cell (R&D Cell)** at R.P.S. Degree College is a dynamic and strategic unit that supports, encourages, and coordinates research activities across all disciplines within the institution. The cell acts as a central body that bridges the gap between academic knowledge and practical application, promoting collaboration both within the college and with external research organizations. It fosters a culture of scientific inquiry, innovation, and development, and ensures that research outcomes are impactful and contribute to the broader goals of knowledge creation and societal advancement.

Objectives

1. Promote Research Culture:

To create an environment conducive to research and innovation, encouraging students and faculty to engage in research activities.

2. Facilitate Interdisciplinary Research:

To encourage and support interdisciplinary research that addresses real-world challenges and fosters collaboration across departments and fields of study.

3. Support Research Funding:

To provide guidance and assistance to faculty and students in securing research funding from national and international agencies, industry partners, and government bodies.

4. Enhance Research Quality:

To ensure that research conducted within the college adheres to the highest standards of quality, ethics, and integrity.

5. Strengthen Collaborations:

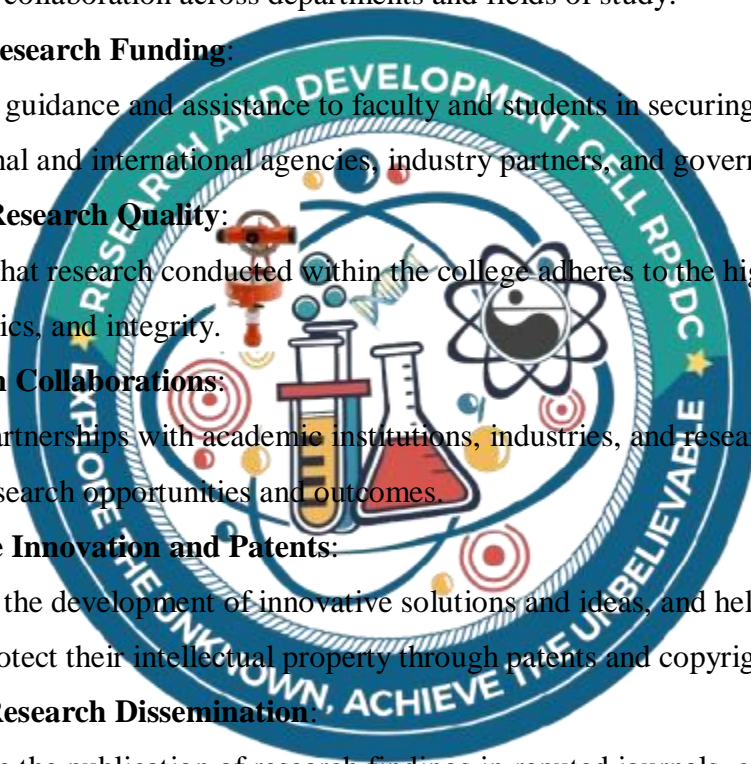
To build partnerships with academic institutions, industries, and research organizations to enhance research opportunities and outcomes.

6. Encourage Innovation and Patents:

To support the development of innovative solutions and ideas, and help faculty and students protect their intellectual property through patents and copyrights.

7. Promote Research Dissemination:

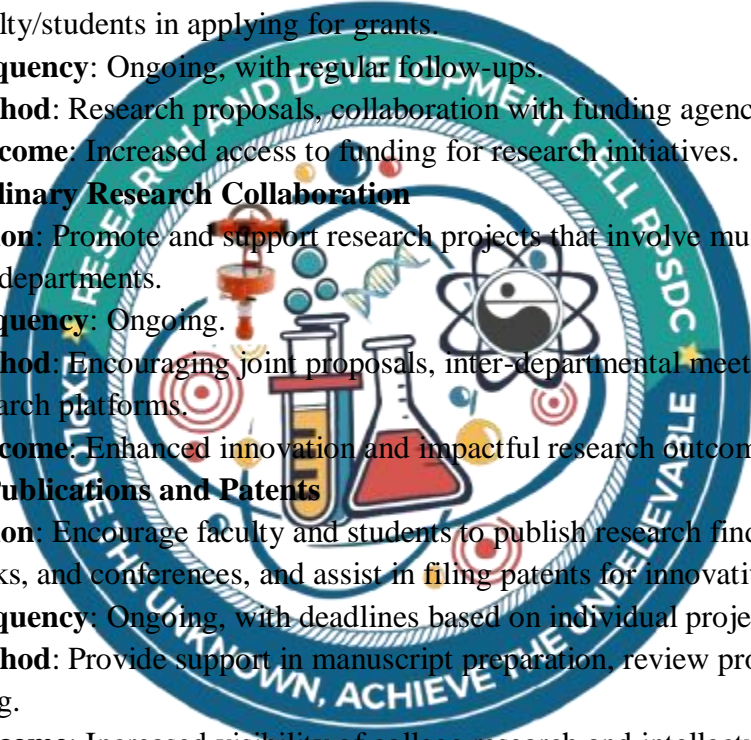
To facilitate the publication of research findings in reputed journals, conferences, and other academic platforms, promoting the college's research output.



Working

1. Research Promotion and Awareness

- **Action:** Organize workshops, seminars, and conferences to promote research methodologies, tools, and trends.
- **Frequency:** Quarterly or as needed.

- **Method:** In-house workshops, webinars, and inviting experts.
 - **Outcome:** Increased awareness and engagement in research activities across departments.
2. **Research Guidance and Mentoring**
- **Action:** Provide guidance to faculty and students on research topics, proposal writing, and methodology.
 - **Frequency:** Ongoing, with periodic check-ins.
 - **Method:** Mentoring by senior faculty, individual or group consultations.
 - **Outcome:** Increased quality and success in research endeavors.
3. **Funding and Resource Allocation**
- **Action:** Identify potential funding sources for research projects and assist faculty/students in applying for grants.
 - **Frequency:** Ongoing, with regular follow-ups.
 - **Method:** Research proposals, collaboration with funding agencies.
 - **Outcome:** Increased access to funding for research initiatives.
4. **Interdisciplinary Research Collaboration**
- **Action:** Promote and support research projects that involve multiple disciplines and departments.
 - **Frequency:** Ongoing.
 - **Method:** Encouraging joint proposals, inter-departmental meetings, and shared research platforms.
 - **Outcome:** Enhanced innovation and impactful research outcomes.
5. **Research Publications and Patents**
- **Action:** Encourage faculty and students to publish research findings in journals, books, and conferences, and assist in filing patents for innovative ideas.
 - **Frequency:** Ongoing, with deadlines based on individual projects.
 - **Method:** Provide support in manuscript preparation, review processes, and patent filing.
 - **Outcome:** Increased visibility of college research and intellectual property development.
6. **Monitoring and Evaluation**
- **Action:** Regularly evaluate the progress of ongoing research projects, ensuring milestones are met.
 - **Frequency:** Bi-monthly or as required.
 - **Method:** Review meetings, progress reports, and feedback from mentors.
 - **Outcome:** Timely completion of research projects and quality assurance.
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By following working objectives, the **Research & Development Cell** aims to encourage research excellence, foster innovation, and ensure the development and application of new knowledge that contributes to the growth of both students and the wider academic community at R.P.S. Degree College.

Organization of the Committee

Convener Dr. Jitendra Gangwar

Date: December 30th, 2024

Convener: Dr. Jitendra Gangwar

Members: Dr. Hemant Kumar

Dr. Priyanka Jain, Asst. Prof., Department of Chemistry

Dr. Vivek Sharma, Asst. Prof., Department of Botany

Mr. Sandeep, Asst. Prof. in Political Science, Department of Humanities

Ms. Anmol (22HP11) Student Member, Department of Physics

