



Research and Development Committee Report
RPS Degree College, Balana, Mahendergarh (Hr.)

Date: December 30, 2024

OBJECTIVE: This report outlines the ongoing initiatives, proposed actions, and progress related to research activities, workshops, and academic development at RPS Degree College, as discussed by the Research and Development (R&D) Committee.

Introduction:

The Research and Development Committee at RPS Degree College is committed to fostering a research-driven academic environment. Our goal is to support faculty and students in their academic and research endeavors, promote interdisciplinary collaborations, and enhance the overall quality of education. This report highlights the committee's recent initiatives, ongoing projects, and planned activities for the upcoming semester. We aim to continue advancing our research capabilities and creating opportunities for growth, innovation, and academic excellence across departments.

1. Workshops for the Upcoming Semester

The committee has requested each department to propose a duration for their respective workshops in the coming semester. These workshops will focus on enhancing both academic and co-curricular development. The **Research and Development (R&D) Cell** will assess all departmental proposals and collaborate with departments to shape the final schedule and structure for the workshops.

In line with this, the following departments have already submitted their proposed time schedules for workshops:

- **Department of Geography** 3rd week of January, 2025
- **Department of Life Science & Botany** 4th week of January, 2025
- **Department of Commerce** 2nd week of February, 2025
- **Department of Chemistry & Zoology** 3rd week of February, 2025
- **Department of Physics & Mathematics** 2nd week of March, 2025

2. Leverage in Teaching Hours for Research-Focused Faculty

The R&D committee identified the need for **teaching hour leverage** for faculty members who are significantly engaged in **research article work**. The cell members will identify such faculty members and recommend the necessary adjustments to their teaching schedules. These recommendations will be made to the respective department heads, ensuring that faculty members can dedicate more time to their research activities without compromising on their teaching responsibilities.

3. Project Proposals for All Departments

In line with the **Honorable CEO's directive**, all department heads have been advised to submit project proposals for their respective departments. The **R&D Cell** will take the initiative to facilitate the preparation of these proposals for all departments. Separate meetings will be convened by the cell with concerned department heads and faculty members to discuss and finalize the proposals.

4. Visit to the Nano Nano Junction Research Laboratory

The committee members visited the **Nano Junction Research Laboratory** (Room No. 202, PG Building) of **Physics Department** and commended the significant efforts made by the faculty members, especially for their recent research and publications. The committee specially **congratulated Dr. Jitendra Gangwar** and **Mr. Somveer** for their remarkable research publication in peer-reviewed journals with high impact factors. Their contributions were appreciated for enhancing the research profile of the department.

5. Appreciation for Chemistry Department's Research and Publications

The committee also acknowledged the **research and publication efforts** made by the **faculty members of the Chemistry Department**. A number of **research articles** have been submitted by the department, which have been highly inspiring to others. The committee emphasized that

these efforts are commendable, especially considering the busy academic schedules of the faculty members. Their achievements serve as a great example, motivating others to make similar efforts in research despite time constraints.

6. Required Equipment for Research Activities

The cell members have recognized the need for additional equipment to support faculty and students involved in research. To address this, the R&D committee will review the available resources and assess if any **relocation or reinstallation** of equipment can help improve the research facilities. This evaluation will ensure that the necessary infrastructure is in place to support ongoing and future research projects.

7. Seminar on National Unity

A **seminar on National Unity** is planned for **March 2025**. This seminar aims to foster awareness and unity among students and staff. The **Research and Development Cell** will initiate preparations for this important event, ensuring it contributes meaningfully to the college's academic and co-curricular activities.

8. Appreciation for Geography Department's National Workshop

The Research and Development Cell commended the Geography Department for successfully organizing a national workshop in collaboration with Government College, Satnali in November 2024. This initiative was a significant contribution to academic collaboration, providing an excellent platform for the exchange of knowledge and ideas among students and faculty members from these two institutions.

Recommendations

1) Workshops & Training Programs:

- a. Encourage all departments to submit detailed proposals for their workshops and time schedules, ensuring these are in line with the academic calendar.
- b. Continue facilitating the integration of academic and research-focused workshops to enhance both faculty and student engagement.

2) Leverage in Teaching Hours for Research-Oriented Faculty:

- a. Implement the process of identifying faculty engaged in significant research and ensure the necessary teaching hour adjustments are made for them to focus on research activities.
- b. Collaborate with department heads to facilitate the approval of these adjustments.

3) Project Proposals for All Departments:

- a. Ensure the timely submission of project proposals from all departments.



- b. Facilitate the preparation of proposals and provide support to departments in developing viable research projects.
- 4) **Research Equipment & Facilities:**
 - a. Conduct a thorough review of the research facilities and available equipment to identify any additional needs.
 - b. Explore the potential relocation or reinstallation of equipment to enhance research accessibility and efficiency.
 - c. Follow up on the need for additional research equipment to support both faculty and student research activities.
- 5) **Encouragement for Research and Publication:**
 - a. Recognize and incentivize faculty efforts in research and publication to motivate other faculty members to engage in similar activities.
 - b. Consider creating a formal recognition program to celebrate the success of faculty members who publish in high-impact journals.
- 6) **Seminar on National Unity:**
 - a. Proceed with the organization of the **National Unity seminar** in March 2025, ensuring its success and relevance to students and staff.
 - b. Utilize the seminar as an opportunity to promote academic unity and collaboration across departments.
- 7) **Encouraging Inter-Departmental Collaboration:**
 - a. Continue promoting collaborative research and initiatives across departments, as demonstrated by the success in the Physics and Chemistry Departments.
 - b. Explore models like the one adopted by the Chemistry Department to foster inter-departmental collaboration and mutual support in research efforts.
- 8) **Support for Faculty Involved in Research:**
 - a. Provide additional support to faculty members involved in research, including the allocation of more time or resources where needed.
 - b. Ensure the establishment of clear guidelines and procedures for faculty seeking research-related support.

Conclusion

The **Research and Development Committee** remains committed to fostering a conducive environment for academic growth and research excellence. The ongoing initiatives, such as the proposed workshops, departmental project proposals, and the seminar on National Unity, aim to enhance the research capacity of faculty and students. Furthermore, the identification of faculty members involved in significant research and the ongoing evaluation of available resources for research facilities will ensure that the college continues to support impactful academic work.

We look forward to the successful execution of these initiatives in the upcoming semester, with the full support of the college authorities and department heads.

The progress review meeting of the cell is scheduled to be held on 15 February 2025 (Saturday).

Submitted by:

Convener Dr. Jitendra Gangwar

Date: December 30th, 2024

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