

Revamping R&D Portal

The Problem:

In today's fast-paced research environment across various fields, it becomes challenging for researchers to stay organized, monitor their progress and efficiently collaborate with peers. Educational stakeholders (such as students, faculty, and administrators (e.g., PG-Cell)) engage in various administrative tasks, from routine activities to supervising research endeavours. Despite existing systems, we believe there is further room to effectively manage workflows. We need a user-friendly web-based platform that enables researchers to streamline their research progress with visualizations, ease collaboration, and integration with existing tools, aiming at research productivity and community engagement.

Deliverables Expected:

Student Dashboard	
Progress Tracker – <u><i>This can be added in R&D portal</i></u>	A tool for students to monitor their milestones, academic progress, and research achievements. It helps in visualizing where they are in the programme, setting goals and tracking them to completion.
Research Management – <u><i>This can be added in R&D portal</i></u>	This allows students to organize their research activities, manage research documents, collaborate on research projects, and keep track of research timelines and deadlines.
Connect Portal – <u><i>This can be merged with club portal</i></u>	A communication platform where students can interact with peers, faculty, and the PG Cell. A new student can see labs with their associated faculty/students, and their research work. It includes forums, and the ability to form study groups or research teams.
Personal Profile – <u><i>This can be added in R&D portal</i></u>	A public-facing profile where students can display their academic interests, research projects, publications, and professional accomplishments. It may also include a portfolio of their work.
Announcements and Notifications – <u><i>This can be added in R&D portal</i></u>	A system for receiving updates and important announcements from the university, faculty, or the PG Cell. Notifications about seminars, thesis defence, public presentations, course changes, deadlines, and other relevant information would be found here.

Faculty Dashboard	
Progress Tracker – <u><i>This can be added in R&D portal</i></u>	A tool for faculty to create, update and monitor the progress of various projects they are supervising or involved with, including project/research timelines, milestone completions, and overall project status.
Research Management – <u><i>This can be added in R&D portal</i></u>	This function helps faculty manage their research portfolio, including applying for grants, tracking research progress, collaborating with other researchers, and overseeing student research projects.
Connect Portal – <u><i>This can be merged with club portal</i></u>	A communication platform within the portal that facilitates connecting with students and other faculty members, fostering collaboration and community engagement.
Personal Profile – <u><i>This can be added in R&D portal</i></u>	A public-facing profile where faculty members can display their professional information, research interests, publications, teaching philosophy, vacancies under them and contact details.
Student Management – <u><i>This can be added in R&D portal</i></u>	A feature that allows faculty to oversee their students' academic progress, advise on course selections, monitor research activity and milestones, and provide mentorship.

PG Cell Dashboard	
Programme Milestones Management – <u><i>This can be added in R&D portal</i></u>	Allows the PG Cell to set up, manage, and track the major milestones for different academic programs, ensuring students adhere to their academic timelines and program requirements.
Workflow Management – <u><i>This can be added in R&D portal</i></u>	This function helps in automating and managing various administrative processes and workflows related to research student applications, approvals, assessments, and other PG Cell related tasks.
PG Cell Profile - <u><i>Already present in R&D portal but can be revamped</i></u>	A section for managing the public-facing profile of the PG Cell, which may include information about members, roles, research accomplishments, and contact details.
Student Management - <u><i>This can be added in R&D portal</i></u>	A tool for overseeing and managing research student's information, academic and research records, and progress. This feature includes functions for enrolment, advising, and tracking academic/research performance.

Calendar Integration - <u>Already present in Seminar portal but can be added in R&D portal</u>	Integrates with a calendar system to keep track of important dates, deadlines, events, and meetings related to postgraduate academic affairs. This also includes scheduling public/panel presentations as and when a research student completes relevant milestones.
Announcements and Notifications – <u>This can be added in R&D portal</u>	A communication feature for broadcasting important updates, academic news, and notifications to students and faculty, ensuring that the PG Cell's messages reach the relevant stakeholders efficiently. Also, receive notifications when a student completes relevant milestones.