



**Shiksha Mandal's
Bajaj College of Science, Wardha**



Research and Development (R & D) Cell
Committee and Policies

1. Introduction

The establishment of Research and Development Cell (RDC) in the college will enable attainment of targets of Atma-Nirbhar Bharat and is expected to play a pivotal role in catalysing multidisciplinary/transdisciplinary and translational research culture mandated in NEP 2020. The RDC would help creating a research ecosystem for reliable, impactful, and sustained research output. The essential elements of such an ecosystem, viz., generation of knowledge and facilitation of research, innovation and technology development for industrial & societal benefits, are addressed by human resource (researcher & faculty), intellectual capital (knowledge & skills), governance (regulation & policies) and financial resources (funding & grants).

Vision

To put in place a robust mechanism for developing and strengthening the research ecosystem within the college, aligned with the provisions of NEP-2020.

Mission

- To create a conducive environment for enhanced research productivity.
- To encourage collaboration across industry, government, community- based organizations, and agencies at the local, national, and international levels.
- To facilitate greater access to research through mobilization of resources and funding.

Objectives

1. To create an organizational structure with role-based functions of RDC, formulate Research Policy for the college, identify thrust areas of research, and form related cluster groups/ frontline teams/consortia of researchers.

2. To create enabling provisions in Research Policies for recruitment of research personnel, procurement of equipment, and financial management with adequate autonomy to the Principal Investigator(s) and disseminate research outcomes to stakeholders and the public at large

. 3. To establish a special purpose vehicle to promote researchers and innovators, identify potential collaborators from industry, research organizations, academic institutions & other stakeholders for cooperation and synergistic partnerships.

4. To act as a liaison between researchers & relevant research funding agencies, extend guidance in preparation & submission of project proposals and post-sanctioning of the grants to oversee adherence to timelines.

To have better coordination among other cells/centers dealing with University-Industry Inter Linkage, Incubation, Innovation and Entrepreneurship Development and Intellectual Property Rights (IPR).

6. To develop an Institutional Research Information System for sharing the status of ongoing/ completed research projects/Programmes, expertise & resources, etc., making effective use of Information & Communication Technology (ICT) for preparing the database of in-house experts to provide industrial consultancy and services.

7. To engage & utilize the services of superannuated active faculty/scientists in research capacity building of talented young minds and promote mobility of researchers across institutions and R&D Labs.

8. To serve as nodal center for ideation and conceptualization of research topics/themes by organizing workshops and training programs and ensuring the integrity and ethical practices in research activities including clearance of bioethical committee wherever required.

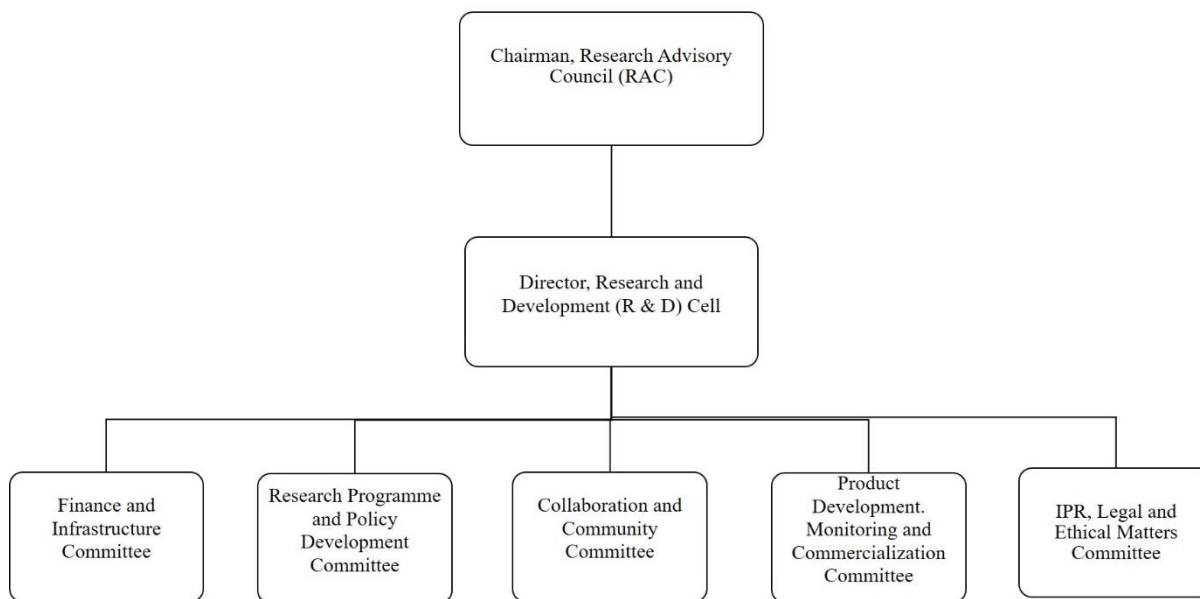
Functions

The RDC would help creating a research ecosystem for reliable, impactful, and sustained research output. The essential elements of such an ecosystem, viz., generation of knowledge and facilitation of research, innovation and technology development for industrial & societal benefits, are addressed by human resource (researcher & faculty), intellectual capital (knowledge & skills), governance (regulation & policies) and financial resources (funding & grants).

1. Governance

An efficient governance mechanism, which ensures functional autonomy, transparency, accountability, adaptability by strengthening interlinkages to create a conducive research environment. The HEIs can foster the human elements (faculty, staff, scholars, and students), logistics (land, buildings, and facilities), knowledge resources (research equipment, project utilities, and consumables), fund flow, etc. through a steady, proficient, effective governance (Rules, Norms, and Policies) and financial (Grants and Funds) management.

The organisational structure of RDC comprising of various committees for specified functions is as under



2. Administration

Established organizational structure (Bodies, Authorities, and Committees) will facilitate planning, implementation, and monitoring of research activities in HEIs, formulate rules, regulations, and policy frameworks for utilization of facilities and resources at HEIs.

3. Research Ecosystem/Collaboration

A vibrant research ecosystem in HEI aims to provide meaningful thrust for sustainable research and innovation and promote collaboration between government, universities, research institutes and industries. HEIs need to build a sustainable research ecosystem that leads to consistent quality research outcomes and enhanced productivity.

4. Information Management System

Research Information Management System (RIMS) work for the advancement of research and innovation for the benefit of faculty, students, industry and other stakeholders. HEIs should put in place a RIMS to collect and manage research-oriented information, databases, publications, research projects, fellowships, collaborations, patents, thrust areas, innovations etc. aligned with the institution's research policies.

5. Human Resources

The Director (RDC), the Conveners and members of various committees and supporting administrative/technical staff would ensure smooth conduct of the research activities in HEI.

6. Research Promotion and Guidance

Research Guidance from RDC will aim to encourage faculties to conceive ideas through enhanced industry-academia interactions and prepare research proposals for funding from various agencies. Organizing events like capacity- building programs (Research & Methodology and Research Techniques) and specific research theme-based workshops and Research Internships will motivate the end-users (students, scholars, and faculties) to participate actively in the process of ideation and innovative research in emerging areas. Research Thrust and

Clustered Areas the college should be identified. Research Incentives play a significant role in triggering and catalysing research interest among scholars and faculties. Technology Development and Business Centred Facility to be promoted. RDC can facilitate resource mobilization and create a Corpus for research and development from government, industry, and other funding agencies and channelize Corporate Social Responsibility (CSR) funds for sustenance and furtherance of research activities.

7. Integrity and Ethics

Regular initiatives by RDC will ensure that researchers understand the importance of integrity and ethics and comply with ethical codes of research, standard plagiarism check and publishing practices at institutional, national, and global levels.

8. Capacity Building

RDC would play a crucial role in building the capacity of faculty and students to undertake research problems in line with the latest advances in diverse disciplines to push the boundaries of knowledge through publications and contribute to technological developments relevant to societal needs.

9. Research Monitoring

The current policy environment encourages college to be responsible and accountable for research development and innovation activities through the creation of infrastructure, generation of resources, promotion of business, and facilitation of policy framework to nurture the culture of quality research by adhering to ethical practices.

Committee Members

- 1) Dr. P.V. Tekade, Chairman, Research Advisory Council (RAC)
- 2) Dr. P. G. Borkar, Director, Research Development (R & D) Cell
- 3) Shri. Gajanan Shivdasji Dhole, Head, Finance and Infrastructure Committee
- 4) Dr. Bhavana Mohite, Head, Research Programme and Policy Development Committee
- 5) Dr. Dhiraj D Naik, Head, Collaboration and Community Committee
- 6) Dr. Govinda V Lakhotiya, Head, Product Development. Monitoring & Commercialization Committee
- 7) Dr. Akhil Nakhate, Head, IPR, Legal and Ethical Matters Committee