

# STRATEGIC PLAN (2020-2025)

The proposed strategic plan for the five years (2020-2025) for enhancement of teaching, research and extension activities leading to the holistic development of the University is mentioned below.

## 1. Academic Excellence:

- Efforts to be made to fill the vacant teaching positions to enhance the faculty-student ratio and also to provide quality education to students.
- Upgradation and construction of new classrooms with ICT facilities to enhance learning experiences.
- Upgradation of Labs is exclusively meant for teaching, especially for the Departments under the Faculty of Sciences.
- To make aware of the code of ethics to check malpractices and plagiarism in research both for the faculty members and research scholars of the University. The provision of plagiarism check through the URKUND software as suggested by UGC prior to submission of thesis and publication is being followed in the University.
- Targeting for new professional and vocational courses providing an opportunity for employment to the students should be made.
- Strengthening the placement cell of the University to provide employment opportunities by promoting industry-academia collaborations.
- Efforts to be made to sign MOUs with different Universities/Institutes for promoting collaborative research and providing opportunities both for faculty members and students to gain expertise in relevant fields.
- Enhancing the consultancy services based on the expertise of faculty members of the University with industries located in nearby regions to generate revenue and also create job opportunities for the students.

## 2. Research Excellence:

- Efforts to be made to upgrade the infrastructural and research facilities as required by different departments based on the expertise of faculty members.
- Promoting collaborative research by encouraging institutions to sign MOU with University/Institute of repute both at national and international level.
- Conducting workshops/seminars for creating awareness about intellectual property rights (IPR) issues among faculty members and research scholars so that they are inclined to file patents etc and generate revenue. The new IPR cell funded by the Council of Science and Technology UP is already functional from the Department of Biotechnology, D.D.U. Gorakhpur University.

- Need to finalize the IPR policy of the University in light of needs of the faculty members of the University to avail the benefit of IPR.
- Promoting research as per the needs of Industry so that it could generate revenue and provide job opportunities for the students of the University.
- Need to develop an “Academia-Industry Cell” for promoting collaborations and
- Creating more Centre of Excellence (COE) in various departments.
- Creating “**Central Instrument Facility (CIF)**” especially for the faculty of Science and making it functional by procuring sophisticated instruments as per the needs of different departments and appointing technical assistants to take care of instruments. Efforts to be made to make it available for outsourcings so as to generate revenue and self-sustain.
- Conducting workshops/seminars exclusively for writing research proposals and also for scientific writing and effective communication for the benefit of faculty members and research scholars.
- Creating an exclusive “**Research Cell**” for the execution of research projects funded by different funding agencies. The main work of this cell will be to process the application of project proposals to the higher authority, assisting in the purchase of equipment/consumables as sanctioned in the project, selection of JRF/SRF/RA, etc. as sanctioned in the project, and helping in getting utilization certificate for the same as needed by different funding agencies.
- Proposal for developing “**Bioinformatics Centre**” in Department of Biotechnology will be initiated and relevant proposals will be submitted to funding agency like DBT. This will be a common facility for all faculty members engaged in research-oriented towards computational intervention in life sciences.
- Provision for “**Common Computational Facility**” is also proposed in the Department of Mathematics & Statistics to cater to the needs for conducting Pre-PhD course, especially the computer application for all research scholars of the University.
- Need to develop the state-of-the-art- “**Nanotechnology Lab**” as a common facility for faculty members and research scholars using nanotechnology in their research as it is multidisciplinary in nature. Expertise in Nanotechnology is already available at the University.
- Proposal for Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, DST-FIST needs to be encouraged as new faculty members have already joined different departments.

### 3. Excellence in Extension Activities

- Efforts have to be made to adopt more nearby villages under the aegis of the “*Unnat Bharat Yojna*” after the successful execution of the Adoption Programme carried out in five villages namely, Kakrakhori, Jungle Akhlesh Kunwar, Balapar, Sarhari, Jungle Kaudia, and Baijnathpur.

- Extensive extension activities need to be conducted for creating awareness among the masses related to health issues especially the prevalent problem of encephalitis in the nearby region. Providing information about a balanced diet is a prerequisite for living a healthy life. University needs to provide a platform for conducting medical checkups on regular basis, especially for the faculty members and students.
- Regular activities conducted in past like free legal-aid clinics and legal camps organized by the Department of Law in neighborhood villages at regular intervals, blood donation camps and other activities like a survey of government-run programs and their benefits for the weaker sections carried out by the volunteers of NCC/NSS, Social service and awareness about environmental issues, Nasha Mukti, water conservation, Beti Bachao Beti Padhao, Plantation drives, Swachh Bharat Abhiyan, human rights, traffic rules, and flood relief work by volunteers of NSS needs to continue in the coming years.
- Need to expand the outreach program like Gender sensitization, domestic violence, health awareness, environmental protection, and promotion of cultural heritage.
- Need to expand the best practice of promoting vermicomposting and organic farming to farmers of nearby regions as part of sustainable agricultural practices by the expertise available in the University.
- Need to develop a strategy to convert the waste generated in the university premises especially the degradable wastes into useful biogas or fertilizers. A “Shakti Surabhi Biogas Plant” donated by Azolla Amritam Pvt. Ltd has been recently installed in the Department of Biotechnology to generate awareness for the conversion of wastes into useful products. This could be expanded once it is successfully established. This will be a nice approach for developing a clean campus.
- Alternate Energy initiatives like the use of solar energy and an LED bulb need further expansion.
- Green Practices like banning single-use plastic, plantation of trees, lawns in departments, and developing parks on the PPP model in both the academic and residential campuses need to be expanded.
- Need to encourage faculty members to develop Massive Open Online Courses (MOOC) for students.