

#### 06.5.5 Incremental improvements made during the preceding five years.

Describe quality enhancement initiatives in the academic and administrative domains successfully implemented during the last five years within a maximum of 500 words each.

Quality enhancement initiatives in the academic and administrative domains successfully implemented during the last five years

- **Campus Connectivity** built up: Wi-Fi enabled campus and colleges  
Digital Administrative Processes  
Online Admission  
Online Fee Collection  
Online Certificate course with the help of SWAYAM PRABHA  
Online Admission Tickets (for Entrance Test)  
Online Examination Date Sheets  
Digitization of Academic Records and Staff Records.
  
- **University Website** was developed
- **Funds under Special Assistance Programme(SAP)** was received by the Departments of Geology, Geography, Sociology, Hindi
- **Central Instrumentation Laboratory** was established, supported by Department of BioTechnology, Govt. of India
- **State of Art Laboratory** has been set up in the Department of Botany
- **Examination Reforms:** Patna University has made radical changes in the examination in the
  1. The Examination Section has switched over from manual preparation of result to computerized tabulation and publication of result, and following it in the past five years.
  2. Right to Public Service Act-2011 has been implemented in the Examination Section under which the students are provided with information within 15 days from the date of their application and corrected mark sheet if any is made available to them.

3. Patna University made radical changes in Ph. D. Course work in the last Five years.
  - (i) Ph. D. Course work is mandatory for research work
  - (ii) Pre-Ph. D. Presentation before submission of final thesis is compulsory for all the Research students.
  - (iii) Before submission of final thesis the candidate shall have to publish at least one research paper in a standard refereed journal.
  - (iv) It is mandatory to all research students to submit their thesis along with the soft copy.
  - (v) After the award of Ph. D. Degree the soft copy is sent within a month to the UGC INFLIBNET CENTRE.
  - (vi) From 2<sup>nd</sup> February 2019 plagiarism check is made mandatory for Ph. D. Scholars before submission of their Ph. D. Thesis.
4. The Examination Section is steadily moving towards integrating all pre examination and post examination work through UMIS. The University has signed the MOU with NSDL for uploading the students' data on National Academic depository.
5. Computerized Result Processing through inhouse expertise has been introduced
  - **Events Calendar/ Sports Calendar/ Cultural Activities Calendar** has been introduced
  - **Biometric attendance** was introduced in 2018
  - **Computer training programme for employees** was organised in June 2017
  - **System of Computerized Payroll** has been introduced with inhouse expertise
  - Large number of national level conferences were held
  - **Seminar/Workshops** have been organised
  - **Publication of Newsletters** in all departments was introduced in 2018
  - All statutory bodies have been activated
  - **Library Reforms:** The Library is being automated and all the books, manuscripts, journals and other relevant materials are being digitized so as to provide remote access to the Patna University Library resources. Enhancement of digital and multimedia content in Library includes :

Shodh Ganga, Inflibnet Centre  
Internet Access Facility  
Digital Collection of Ph.D. thesis.

▪ **IQAC:**

IQAC sets the standard for various activities and processes and observes the performance against the set standards. Some of the initiatives of IQAC which have contributed towards incremental improvements since its inception are:

- MOU with different universities and departments. Conducting Remedial Coaching
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  - Conducting Bridge Courses
  - Common formats prepared, circulated time to time and implemented.
- **Environment friendly campus** has been developed.
  - **Waste Management:** University is very conscious of generating less waste and recycling it through a system that enables the used material to be reused ensuring that less natural resources are consumed.

**Solid Waste management:** Waste disposal has emerged into an industry and is more than just removing waste. With these view the University has initially established four solid waste disposal facilities (Composting) in different place of campus for disposal of organic wastes including plant debris. These facilities are located at VC lodge, GDS Girls Hostel campus, Botany Department and Hatwah Hostel Campus. The organic waste is segregated from non-recyclable and inorganic waste. This has allowed University to make use of organic waste to create compost. The composts are being utilized for our Plantations and also in future the University will package and sell the surplus compost to generate revenue.

**e-Waste Management**

Flip flops, memory chips, motherboard, compact discs, cartridges etc generated by electronic equipments such as Computers,TV, Phones, Printers, Fax and Photocopy machines are recycled properly. Instead of buying a new machine buy-back option is taken for technology upgradation.

The e-waste generated from hardware which cannot be reused or recycled is being disposed off centrally through government authorized vendors.

### **Green Practices**

The University is aware of its environment conservation responsibilities and embraces principle of sustainable development to ensure that any adverse environmental impact of its activities is minimized through:

- a. Use of bicycle: Many students use bicycle. Some teachers and staff members also use bicycle.
  - b. Majority of students, a number of staff and teachers use public transport. State transport Department also started bus services for Patna University students.
  - c. There is a speed limit restriction within the campus to make it friendly for walkers.
  - d. Healthy ecosystems, the University has embarked on a plantation drive in its campus including its second campus the Saidpur Campus. The campus has green landscaping of plants , having varieties of plants which includes Ashok, Gulmohar, Kadam, Ritha, Neem etc. The variegated cropping of more than 2000 plants has also been established as eco-friendly campus. Students also participate in campaigns like "*Plantation Drive*", "*Conserve native species of plants*".
- **Compulsory courses on Environment sustainability and Swacch Bharat Abhiyan:** The University has introduced a compulsory course of 5 credits on **Environment sustainability and Swacch Bharat Abhiyan in** semester I all post graduate program.

