

## CRITERIA VII INNOVATION AND BEST PRACTICES

### 7.1 Environment Consciousness:

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- The department of Botany conducts green audit of the campus annually. There are more than 50 plant species available in our college campus. Out of which a considerable number of Sal trees including few medicinal plants are economically important. Moreover, the college family has been trying to create awareness about environment through different Cells, like Science Forum, Rover-Ranger team, NSS, Women Forum etc.

7.1.2 What is the initiative taken by the college to make the campus eco-friendly?

(i) Energy conservation:

- As an initiative of energy conservation strategy, the Physics department has installed solar power system in their departmental activities. The college also replaced all electric bulbs by CFL bulbs to minimize the power consumption.

(ii) Use of renewable energy:

- Installation of a 35 KVA solar power system is under process. The proposal through state agency was sent to the Ministry of New and Renewable Energy, Govt. of India for approval under subsidized scheme for North Eastern Region.

(iii) Water harvesting:

- Regarding water harvesting no such programme is undertaken.

(iv) Check dam construction:

- Not applicable.

(v) Efforts for Carbon neutrality:

- Fortunately the college is situated in a beautiful rural area surrounded by natural Sal forest. The college campus is also rich in plant diversity and hence the amount of carbon is naturally low in the campus. Still to create awareness generation among the student every year World Environment Day has been celebrated. The college also encourages our students to use bicycle and public carriers to minimize the carbon emission.

(vi) Plantation:

- Tree plantation programme is undertaken every year in the college on the occasion of World Environment Day, College Foundation Day etc.

(vii) Hazardous waste management:

- For the hazardous waste management, sufficient provisions are provided by the college management in terms of providing Waste bins, burning of waste time to time

(viii) e-waste management:

- As a part of e-waste management the college has been encouraging the use of rechargeable batteries. Other e-waste products are stored in an isolated safe place and these are disposed off with the help of expert recycling parties as and when required.

## **7.2. Innovations:**

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

- Some innovative steps implemented in the college are –
  - i) Well equipped conference hall with interactive board, LCD projector etc to enable ICT in teaching and learning.
  - ii) Creation of a functional IQAC.
  - iii) Introduction of sessional examination, seminar, group discussion, field study, etc.,
  - iv) Installation of computer in all departments and internet facilities in some department
  - v) Award for advanced learners, free admission for economically backward students.
  - vi) Encouraging and financing interested and able students to participate in inter, intra- college/university and regional/national programmes.
  - vii) Introduction of an institutional Biotech Hub.
  - viii) Opening of a Tribal study centre.
  - ix) Introduction of Language laboratory.
  - x) Introduction of GIS laboratory.
  - xi) Introduction of two Career Oriented Courses under UGC.
  - xii) Self financing computer certificate course.
  - xiii) Promotion of Research activities among Faculty members.
  - xiv) Promotion of Undergraduate research/ field works.
  - xv) Installation of power generator for uninterrupted power supply.
  - xvi) Provision for sufficient purified drinking water.
  - xvii) Enhanced sport facilities( Out door stadium - completed, Indoor stadium and Swimming pool- under construction).

- xviii) Opening of study center of K K Handiqui State Open University.
- xix) Opening of study centers IDOL- the open learning institute under Gauhati University.
- xx) Introducing of Aryabhata Research Center under ASTEC , Assam to enhance the scientific awareness and research interest among the students and local community.
- xxi) Functioning of ICGC, Science Forum, Women Cell, Cultural Unit etc.

### **7.3. Best Practices:**

7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the institutional objectives and / or contributed to the quality improvement of the core activities of the college:

- Best Practice:
  1. Title of the Practice: Making the institution economically self sustained through resource utilization.
  2. Goal: Considering the present economic scenario and policies adopted by department of Human Resource Development, it is the prime concern of the institutions to utilize their available resources up to optimum level for self sustenance. To meet this goal, our college has planned to utilize about fifty percent (Approximately 15 acre) of college's own land for commercial rubber plantation. As such a MOA has been signed with Central Rubber Board in the year 2010 and accordingly nursery development and plantation work has been started. It has been expected that from 10<sup>th</sup> years of plantation college will be able to generate rupees 15-20 lakhs annually from the cultivation. Along with, a vocational course on rubber cultivation and production related matters would be started for the students and nearby communities to encourage towards entrepreneurship development in rural areas.
  3. The Context: The college has undertaken this practice to contribute towards green economy as well as to create an entrepreneurial environment in the college through exploration and utilization of own resources. The college provides the said land to the collaborating agency (Central Rubber board) for development of their nursery and in return the agency provides necessary assistances for development, plantation of the plot and other necessary technical assistance. At the time of designing the practice it was taken in to care of that the practice would be beneficial for the college and also be beneficial for development of skill personals and entrepreneur in the field of rubber cultivation through organization of time to time training and introduction of certificate course in Rubber nursery development, Rubber production etc. Though the practice was started in 2010 it will

take time to come in to full functioning as a resource generating unit as it is an agro based activities.

4. **The Practice:** Along with the site utilization and development the college with the consultation and assistance of Central Rubber Board has been organizing different awareness generation programmes and related seminar to motivate the students. Scientists, other officials of the board and concerned faculties of our college are engaged for framing the curriculum of related vocational courses. After successful implementation of this practice, it will make the institution almost financially sound by initiating a step towards green economy and at the same time will develop skill personals and entrepreneurs in the field of rubber based economy. We believe that this practice will be unique in higher education especially in the rural areas where there is a little scope of employment generation through industrial establishment.
5. **Evidence of Success:** As the concept and practice is very new, the evidence of success and out come is not yet evaluated.
6. **Problems Encountered and Resources Required:** Till date no problem from both the sides is encountered. After full implementation of the practice Man power, Equipments related to rubber tapping and collection, processing, Training manuals, trade related networking etc. will be required.

#### **7. Contact Details:**

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