

Institutional Best Practices

Best Practice - I

1. Title of the Practice

Promotion of Research Culture: Our Initiative

2. Objectives of the Practice

The college believes that research plays an important role in the growth of an institution. To provide conducive environment to the for research college has following set of objectives:

- To prepare knowledgeable learners coupled with the ability for its proper application
- To motivate faculty to supervise their research scholars
- Promotion of objective thinking and research studies in the area of interest.
- Provide need based financial assistance for research related activities
- To encourage research centres to organize seminars and conferences to unfold new areas of research
- Encouragement for quality publications
- To facilitate community oriented project through outreach programmes.
- To recognize learners' achievements by awards

3. The Context

In designing and implementing the practice following challenging issues have been addressed:

- The college has constituted research committee
- Identification of intellectual stimulation and creation of scientific and theoretical framework
- Motivation to undertake research projects
- Financial assistance to establish Research centres
- Encouragement to publish research works in U.G.C recognized journals
- Duty leaves to faculty for research related activities

4. The Practice

- **Procedure**

Well defined “Research Policy’ and it’s framework to promote research culture.

Research related activities are promoted through Avishkar Research Convention, publication of Anugoonj - a research Journal (N.S.S.), and encouragement to register for Ph.D.

- **Avishkar Research Association**

- ◆ It promotes research culture holistically with systematic manner.
- ◆ A systematic plan of action like meetings of the members, communication to the departments, counseling to the learners, submission of the proposals, motivation through workshops, improvisation, organization of college level Avishkar Research convention
- ◆ Deputation of learners and faculty to participate in the Avishkar Research Convention at district, university and state levels.

- **‘Anugoonj’- A Research Journal**

- ◆ Inculcation of research elements through NSS to facilitate use of academics and research in social activities.
- ◆ It aims to strengthen the linkages with society
- ◆ Every department of the college has N.S.S. volunteers. Faculty from the respective departments guide the N.S.S. volunteers to undertake the research projects.
- ◆ The theme of research projects is based on the respective subject domain having the linkage with societal aspects.
- ◆ Volunteers work under the guidance of faculty to execute the projects
- ◆ The college publishes it in a journal ‘Anugoonj’ having ISSN number, in the form of research paper.

- **Research Centres**

- ◆ Started research programmes in the subjects of Hindi, Accountancy, Business Policy and Administration, Chemistry, and Biotechnology

- ◆ Provision of research funds in the form of seed money and incentives in budget
 - ◆ In this process, researchers, guides, In-charges of faculty, Research Committee and Principal follow the rules and regulations of the university.
- **Constrains or Limitations**
 - ◆ It is challenging task to sensitize the learners and faculty to motivate for participation in research related activities
 - ◆ Difficulties in the availability of time due to the hectic schedule
 - ◆ Difficulties in interdisciplinary and multidisciplinary research approaches
 - ◆ Preparation of NET/SLET/GATE examinations
 - ◆ Learners are interested to have employment due to the financial crisis rather than involving themselves in the time consuming process of pursuing Ph.D. degrees.

5. Evidence of Success

- The college has presented 48 projects at 14th Inter-Collegiate/District level Avishkar Research Convention
- Eleven projects at 14th university level (Final Round) and one project at State level was selected.
- Published community-oriented research papers in **Anugoonj'- A Research Journal with ISSN number**
- Four research scholars awarded Ph.D. degree from our research centres
- Thirty three research papers published in UGC recognized journals
- Four National and three international seminars / workshops/ conferences organized to promote research culture on subject related themes.

6. Problems Encountered and Resources Required

- **Problems Encountered**
 - Challenging temperament of learners to participate in research activities
 - Time constraints and uncertainty in research output

- Researchers are not interested to register at research centres because they know the fact that NET/ SLET/Ph.D. candidates are unemployed even though there are lot of vacancies

- **Resource Required**

- Identification of research oriented learners
- Strengthening of infrastructural learning resources
- Comprehensive training programmes
- Effective execution of Research Policy framework
- Provision of the funds in the budget

Best Practice - 2

1. Title of the Practice

Green Practices: Our initiative towards Environmental Consciousness

2. Objective of the Practice

The best practice adopted by our college exhibits an environmental consciousness that results into environment sustainability. The college has following set of objectives:

- To create awareness about environment friendly literacy amongst all stakeholders
- To integrate educational activities with environmental consciousness
- To promote stakeholders to imbibe the principles and practice of environment protection
- To commence eco-friendly activities in the college as well as in the adopted areas
- To motivate learners and faculty to undertake research projects

3. The Context

In designing and implementing the practice following challenging issues have been addressed:

- The college, every year, promotes an environment-friendly activities by planning and its execution
- IQAC prepares an activity calendar to initiate green activities
- Identification of needs to initiate the green activities in campus as well as in adopted areas
- Provision of funds for green initiatives in budget

4. The Practice

- **Procedure**

In the beginning of every academic year the IQAC convene the meetings of Head/ In-charge of departments, and Chairpersons of different Committees and Associations

to discuss and plan about green practices and its execution with efficient manner. Precisely the plan action of the college is as follows

- **Identification of its need and Importance:**
 - Academic has been integrated with ethics and set of skills about environment protection and sustainability
 - The college uses different methods like integration of curricula with green issues to inject positive approach amongst learners
 - Extension cells are encouraged for an active participation
 - Well fenced botanical garden, the display boards 'Keep the campus clean, Save Electricity, 'Save Water', and Dust Bins and cleaning twice a day shows environment consciousness
 - Organization of Co-curricular activities and encouragement to learners and faculty to undertake projects.
 - Committees and Associations suggest reforms in green initiatives
- **Constraints and Limitations:**
 - Challenging to motivate the learners regarding green issues
 - Casual attitude towards Environmental harms, hazard and resistance to change
 - Designing of specialized programs integrated with green issues
 - Challenge of Environmental Training Modules
 - Availability of time in present complex teaching, learning and evaluation system

5. Evidence of Success

One of the major practices illustrates the significant journey and consistently brings out incessant learning to the learners and finally percolates environment consciousness.

- **Extension Activities**
 - NSS, and NCC cells organized Tree Plantation activity and Environment sensitization programmes
 - Effective implementation of green practices under Unnat Bharat Abhiyan
 - Distribution of recycled note books to poor and needy students
 - Organization of green practices like water conservation, plastic ban, cycle rally

- **Special Projects implemented by the college towards Environmental Consciousness**
 - **Recycling of Waste Papers**

 - **Energy Conservation and use of Renewable Energy**
 - ◆ Replacement of tungsten and incandescent bulbs with LED bulbs and tubes
 - ◆ Installation of the Solar Unit with 462 panels generating electric power of 150 KW at 36.72 V
 - ◆ Reduction in electricity bills

 - **Effluent Treatment Plant**
 - ◆ Effluent Treatment Plant regulates adverse effects of effluents and helps in the environment conservation.
 - ◆ Efficiency of the unit is 95% and collected effluent is reused for gardening

 - **Vermicomposting Unit:**
 - ◆ Constructed vermicomposting unit with three Vermicomposting beds.
 - ◆ All organic waste generated in campus is used as a raw material for the process
 - ◆ The composts are used for college garden and botanical garden

 - **Rain Water Harvesting**
 - ◆ The college promotes optimum use of water and also has the rain water harvesting system in the form of constructed water well in the botanical garden.

 - **Biogas Plant**
 - ◆ The waste generated from Canteen on daily basis is used for Biogas production and the gas is used in laboratories

 - **Environmental Quality Audits**
 - ◆ Green Audit – The audit has validated green initiatives and certified with highest **Level III**.
 - ◆ ISO 14001-2015 certification for Environment Management System

6. Problems Encountered and Resources Required

- **Problems Encountered**

- Constraints in convincing stakeholders regarding importance of environmental conservation
- Hectic schedule of the teaching learning process
- Challenging to sensitize all stakeholders regarding green issues

- **Resources Required**

- Training for faculty and learners
- Special provision of funds
- Co-operation of Government authorities