

## Criterion 7: Institutional Values and Best Practices



### Best Practice 1

**Title of the Practice** Innovative Resources and Tools for Academic Excellence

#### Objectives of the practice

1. To enhance education quality using diverse teaching aids, interactive multimedia tools, and efficient Learning Management Systems (LMS) to create an engaging and comprehensive educational experience for visual, auditory, and kinesthetic learners.
2. To enhance the educational experience by identifying and addressing gaps in the syllabus.
3. To bridge theoretical knowledge with practical applications through experimental lab work and projects.
4. To enhance academic performance and eliminate dropouts.

#### The context

In today's dynamic educational landscape, traditional methods alone can't meet students' diverse learning needs. Higher education must integrate resources and modern tools to foster excellence. Utilizing technology and varied strategies creates inclusive, stimulating environment that enhances understanding, retention, critical thinking and practical skills, preparing students for the modern workforce's complexities.

#### The practice

The College utilizes various resources, teaching and learning tools to enrich the academic experience. PowerPoint presentations deliver content visually, with meticulously designed slides enhancing comprehension and retention. Audiovisual aids, including videos, animations and interactive simulations, offer dynamic multimedia experiences that cater to diverse learning styles and foster deeper understanding.

Problem-based learning emphasizes critical thinking and problem-solving skills over rote memorization. Charts and model-making provide hands-on opportunities for students to conceptualize complex topics, reinforcing understanding and developing spatial reasoning skills. LMS revolutionizes education by providing centralized platform for course materials, assignments, discussions and assessments. Lecture synopses succinctly summarized key lecture

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points, aiding in revision and reinforcing learning objectives. Summary cards aid in quick review, helping students to consolidate information while flashcards test their knowledge.

Seminars encourage in-depth exploration of specific topics, promoting research, critical analysis, and oral communication skills. Experiential learning through industrial training, visits, and immersive experiences bridges theory and practice. Carefully designed content of practice school also offers novel experiential learning and updates the students with latest technologies. Additionally, project work fosters creativity, boosts research aptitude with problem-solving ability. Faculty conducts syllabus gap analyses to identify areas needing enhancement. They design and teach additional content to deepen students' understanding, align with industry standards and ensure a comprehensive education.

### **Evidence of success**

The overall average result is 95.45 %. This consistency in high results indicates a stable and effective teaching methodology with robust academic support system. The number of students qualifying in competitive exams has 16 in the 2023-24 academic year. This indicates a positive trend and highlights the increasing success of the students.

Teaching content beyond the syllabus, accompanied by its assessment and feedback, enriches students' subject knowledge.

In retrospect, the diverse array of teaching and learning tools employed in education enhanced engagement, deepened understanding, cultivated essential skills.

### **Problems encountered and resources required**

During the gap analysis and the process of teaching content beyond the syllabus, teachers might have encountered problems such as few students' resistance to learning new content. Accommodating various learning styles requires careful planning and flexibility in teaching approaches. Time constraints limit the ability to cover additional material.

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### Best Practice 2

**Title of the practice:** Cultivating Excellence: Integrated Skill Development for the College Community

#### Objectives of the practice

1. To offer specialized skill development certificate programs tailored to students' interests career goals and to make job ready professionals.
2. To expand knowledge beyond the traditional curriculum to develop proactive, pragmatic, devoted and talented women pharmacists.
3. To motivate faculty to attend FDPs and improve pedagogical practices, instructional technology skills, professional growth, and continuous improvement.
4. To enhance the skill set of staff by providing opportunities for professional growth.

#### The context

This comprehensive initiative enriches the educational experience in the College environment. It aims to equip College community with diverse skills essential for personal and professional success. Against the backdrop of evolving academic landscapes and increasing demand for multifaceted skillsets, this practice emerges as a response to the imperative of holistic development. Complementing student-focused efforts, the initiative extends support to faculty and staff.

#### The practice

This holistic initiative aims to enhance student development and the professional growth of faculty and staff through a multifaceted approach. It addresses its objectives by offering tailored add-on courses for students and development programs for faculty and staff.

The certificate courses for students include Clinical Research, Pharmacovigilance, Medical Coding, Clinical Data Management, Interview Skills, and Clinical Trials, Regulatory Affairs etc. To promote collaborative learning and interdisciplinary research, the college has established MoUs with organizations such as Elite Institute of Pharma Skills, Ingenious Healthcare, Step-Up Pharma, and Royal Academy of Career Excellence. Additionally, the college has set up a

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SWAYAM NPTEL local chapter to encourage students to enroll in and complete online certificate courses through NPTEL.

Faculty design and conduct various certificate courses and trainings, such as Clinical Trials, Design of Experiments, Computer-Aided Drug Design, and GraphPad Prism Software. These courses are meticulously planned, assessed through multiple-choice and/or descriptive evaluations, and certificates are awarded upon successful completion. 35.75 % of the College's students have completed 22 online, value-added or certificate courses.

Students are encouraged to participate in inter-collegiate competitions and acquire employability skills through industrial training and hospital visits. The College has developed MoUs with industries like Cure Pharma NuLife Pharmaceuticals and start up like SynThera Biomedicals to facilitate interdisciplinary research. Students are prepared for industrial demands by developing communication skills, interview skills, professional ethics, and soft skills.

The initiative also supports faculty and staff participation in FDPs and quality enhancement programs through financial and related support, promoting a culture of continuous improvement and adaptation to evolving educational trends. The College allocates sufficient resources, prioritizes professional development initiatives, and establishes supportive policies and structures conducive to holistic skill development.

### **Evidence of success:**

This strategic focus on expanding educational offerings was likely contributing to the overall success of students, as evidenced by placement and students admitted to higher education.

FDP contributed to improvements in teaching methodologies by equipping faculties with new pedagogical techniques, integrating technological advancements and updating curriculum strategies. Total number of FDPs attended by faculties are 76 during this academic year. Also, institute organized 29 different development programmes.

Non-teaching staff consistently participated in total 16 FDP, showing sustained interest in professional development.

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### Problems encountered and resources required

Professional development programs necessitate effective time management and institutional support to attend the sessions. Furthermore, coordinating schedules, securing appropriate facilities, and managing administrative tasks pose challenges.



  
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