

ADITYA PHARMACY COLLEGE

(Formerly known as Aditya Institute of Pharmaceutical Sciences & Research)

(An AUTONOMOUS Institution)

- Approved by PCI, New Delhi - Accredited by NAAC "A" Grade
- Permanently Affiliated to JNTUK, Kakinada

Aditya Nagar, ADB Road, Surampalem – 533437, Kakinada Dist., A.P., INDIA.



Ph: 98665 75663

E-mail: office@adityapharmacy.edu.in
Web: www.adityapharmacy.edu.in

7.2.1 BEST PRACTICES

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BEST PRACTICES-I

TITLE OF THE PRACTICE:

**COLLABORATIVE HEALTHCARE INITIATIVES AND VALUE-ADDED ACTIVITIES:
ENHANCING CLINICAL EXPOSURE AND COMMUNITY IMPACT THROUGH THE
DEPARTMENT OF PHARMACY PRACTICE**

OBJECTIVES:

The Department of Pharmacy Practice at Aditya Pharmacy College (A), Surampalem, has continuously strived to create an environment that bridges academic knowledge with real-world clinical applications. The following objectives underline the essence of the activities organized at Trust Multispeciality Hospitals, Kakinada:

1. **Enhance Clinical Competence:** Provide Pharm. D students with hands-on experience in diverse hospital settings to enhance their clinical, analytical, and operational skills.
2. **Foster Interdisciplinary Collaboration:** Strengthen cooperation between pharmacists, nurses, and other healthcare professionals through interactive sessions and team-based activities.
3. **Promote Quality Assurance:** Train students to contribute to NABH standards by engaging in audits, ADR reporting, and record reviews, ensuring the highest level of healthcare delivery.
4. **Develop Communication Skills:** Empower students to confidently educate healthcare staff and patients on critical health topics, encouraging knowledge sharing and awareness.
5. **Address Contemporary Health Challenges:** Leverage expertise from diverse medical specialities to discuss and tackle current healthcare issues affecting communities, particularly youth.
6. **Encourage Leadership and Responsibility:** Instil a sense of accountability and professionalism among students by assigning them key roles in hospital activities.

The Practice and Outcomes

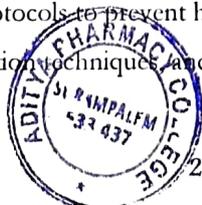
1. Student-Led Educational Sessions for Healthcare Staff

Pharm. D students took the initiative to organize and deliver lectures to nursing staff, pharmacy technicians, and lab technicians at Trust Multispeciality Hospitals. These sessions served as a platform for knowledge exchange and emphasized practical applications of healthcare principles.

- **Topics Covered:**

- **Infection Control Practices:**

Students explained protocols to prevent hospital-acquired infections (HAIs), emphasizing proper hand hygiene, sterilization techniques, and waste disposal methods.



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- **Updates on Current Diseases:**

Discussions included emerging infectious diseases, trends in antimicrobial resistance, and updates on treatment strategies for chronic illnesses such as diabetes and cardiovascular diseases.

- **Management of Severe Health Conditions:**

Lectures focused on the treatment pathways for critical illnesses like sepsis, multi-organ dysfunction syndrome, and advanced-stage cancers.

- **ICU Protocols:**

Students trained healthcare staff on critical care management, covering areas like medication safety, advanced life support measures, and patient monitoring protocols.

- **Outcomes:**

- Improved adherence to infection control practices and treatment guidelines among hospital staff.
- Enhanced confidence, communication skills, and presentation abilities among Pharm. D students.
- Positive feedback from staff and hospital management, highlights the utility and practicality of these sessions.

2. Active Participation in NABH Accreditation Processes

The involvement of Pharm. D students in NABH (National Accreditation Board for Hospitals & Healthcare Providers) activities were a testament to their ability to contribute to quality improvement in clinical settings.

- **Key Activities:**

- **Clinical Audits:**

Students evaluated various departments for compliance with NABH standards, identifying gaps and suggesting corrective actions.

- **Medical Record Department Audits:**

Students ensured proper documentation of patient records, with a focus on completeness, accuracy, and compliance with medical guidelines.

- **Prescription Audits:**

Detailed assessments were conducted to identify prescribing errors, verify adherence to hospital formularies, and analyze drug interactions.

- **Adverse Drug Reaction (ADR) Reporting:**

Students meticulously documented and analyzed ADRs, which contributed to improving patient safety and optimizing pharmacotherapy.



- **Outcomes:**

- Strengthened quality assurance processes within the hospital, aiding successful NABH accreditation.
- Development of critical-thinking and problem-solving abilities among students.
- Recognition of the students' contributions by the hospital's executive leadership.

3. Five-Day Value-Added Course: Addressing Modern Healthcare Challenges

A comprehensive five-day value-added course was organized by the Department of Pharmacy Practice, inviting esteemed professionals from diverse medical specialties to address current healthcare issues.

- **Course Highlights:**

- **Cardiology:** Discussions on the rising prevalence of cardiovascular diseases in youth and strategies for prevention and management.
- **Nephrology:** Insights into chronic kidney diseases, dialysis protocols, and the impact of lifestyle changes on renal health.
- **Dietetics:** Expert advice on combating malnutrition and obesity, focusing on balanced diets and their role in disease prevention.
- **Gynecology:** Awareness about women's health, with an emphasis on reproductive health and lifestyle-related gynecological conditions.
- **Ophthalmology:** Education on vision-related issues arising from increased screen time and the importance of regular eye check-ups.

- **Outcomes:**

- Students gained a holistic perspective on healthcare, connecting clinical knowledge with preventive measures.
- The course sparked meaningful discussions, with active participation from hospital staff and students.
- Created opportunities for networking with healthcare professionals, fostering mentorship and guidance.

4. Supporting Clinical Operations and Patient Care

Pharm. D students played a crucial role in the smooth operation of hospital functions, showcasing their versatility and commitment.

- **Activities:**

- Assisted in the preparation of medical records for NABH inspections.
- Participated in multidisciplinary ward rounds, contributing to patient management discussions.
- Identified and addressed inconsistencies in clinical protocols during daily hospital activities.

- **Outcomes:**

- Improved operational efficiency and compliance within the hospital.
- Students gained hands-on experience in real-time patient care scenarios.
- Strengthened the relationship between the academic institution and its affiliated hospital.

5. Healthcare Awareness Campaigns

The department organized several awareness programs for hospital staff and patients, focusing on preventive care and health education.

- **Key Initiatives:**

- Distributed educational materials on the prevention of lifestyle diseases and the importance of regular health check-ups.
- Conducted surveys to evaluate the awareness levels of staff and patients, using the findings to tailor future sessions.

- **Outcomes:**

- Enhanced health literacy among hospital staff and patients.
- Encouraged a proactive approach to health management.
- Fostered a sense of responsibility among students, reinforcing their role as healthcare educators.

6. Active Participation of Pharm. D Interns in Medical Camps

Pharm. D interns actively contributed to various medical camps organized in collaboration with Trust Multispeciality Hospitals, Kakinada, extending their role beyond hospital settings to community healthcare initiatives. These camps were aimed at delivering essential healthcare services to underserved populations in nearby rural and semi-urban areas.

- **Roles and Responsibilities:**

- **Patient Screening and Counseling:** Interns performed preliminary screenings, including measuring blood pressure, blood glucose levels, and BMI. They provided counselling on managing chronic conditions such as diabetes, hypertension, and dyslipidemia.
- **Health Education:** Students educated patients on topics such as nutrition, hygiene, medication adherence, and the importance of regular check-ups.
- **Medication Distribution:** Assisted in dispensing medicines and explaining their use to patients during the camps.
- **Follow-Up Guidance:** Documented patient details and provided referrals for further diagnosis and treatment at Trust Multispeciality Hospitals when necessary.



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- **Outcomes:**

- Facilitated access to healthcare for marginalized communities, fostering trust and goodwill between the hospital and local populations.
- Strengthened interns' skills in patient interaction, community health assessment, and health education.
- Highlighted the integral role of pharmacists in bridging healthcare gaps and promoting public health initiatives.

Through these medical camps, Pharm. D interns not only enriched their practical knowledge but also reaffirmed the importance of compassionate care in uplifting community health standards. This initiative further emphasized the commitment of Aditya Pharmacy College and Trust Multispeciality Hospitals to addressing the healthcare needs of the community while fostering professional growth among its students.

Institutional and Student Impact

The initiatives undertaken by the Department of Pharmacy Practice have significantly benefitted both the students and the institution:

1. **Skill Development:**

Students gained practical exposure to clinical operations, quality audits, and healthcare education, enhancing their professional readiness.

2. **Recognition and Partnerships:**

The strong collaboration with Trust Multispeciality Hospitals has enhanced the reputation of Aditya Pharmacy College, solidifying its role as a leader in clinical pharmacy education.

3. **Community Contribution:**

By addressing healthcare challenges and promoting awareness, students demonstrated the pivotal role of pharmacists in improving healthcare outcomes.

4. **Enhanced Career Prospects:**

The hands-on training and interdisciplinary exposure have equipped students with the skills needed to excel in their future careers.

Conclusion

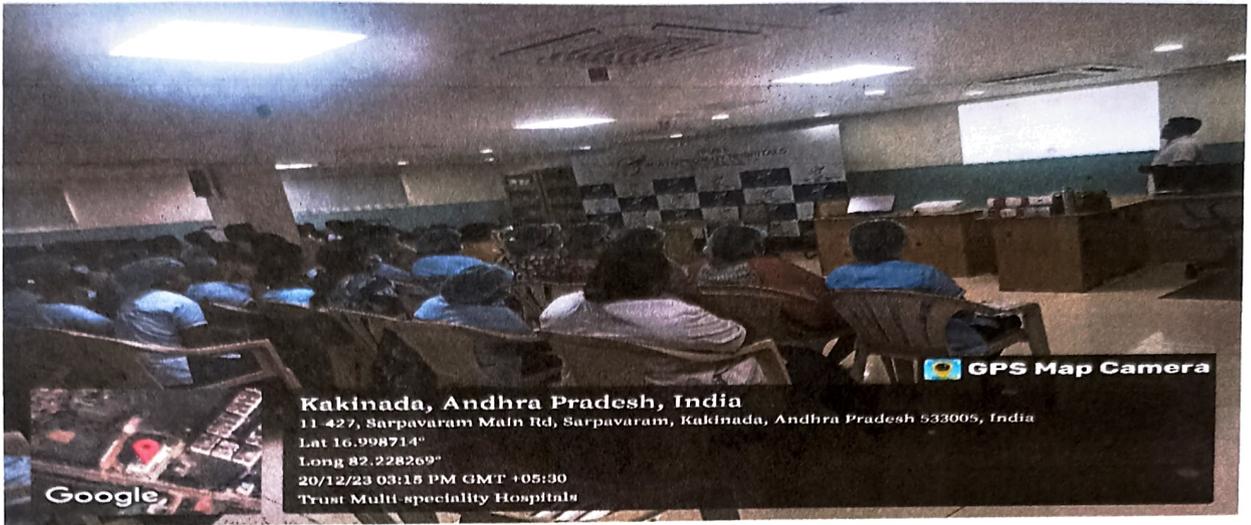
The Department of Pharmacy Practice at Aditya Pharmacy College (A), Surampalem, has set a benchmark in integrating academic learning with clinical practice. Through their activities at Trust Multispeciality Hospitals, Kakinada, Pharm. D students have not only honed their professional skills but have also contributed to elevating healthcare standards. These initiatives underscore the transformative role of pharmacy education in creating future healthcare leaders and demonstrate the value of collaborative efforts in addressing contemporary health challenges.



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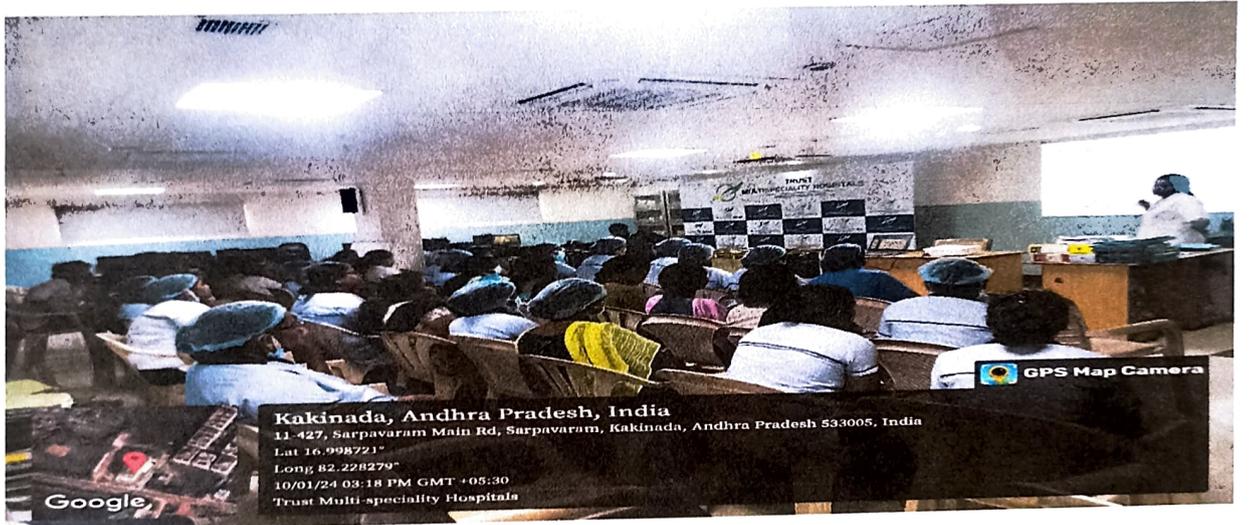

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GPS Map Camera

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Trust Multi-speciality Hospitals

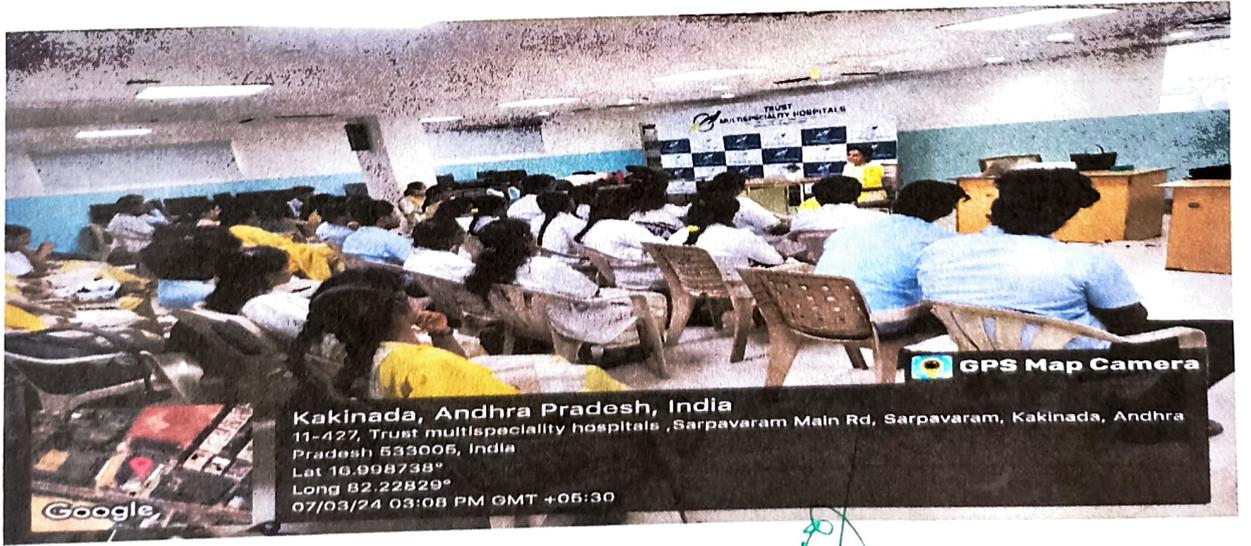
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BEST PRACTICES-II

TITLE OF THE PRACTICE:

INCENTIVE POLICY FOR RESEARCH PUBLICATIONS: FOSTERING ACADEMIC EXCELLENCE THROUGH RESEARCH MOTIVATION

Objectives of the Practice

Aditya Pharmacy College (A), Surampalem, introduced the **Incentive Policy for Research Publications** with the vision of establishing a robust research culture among its faculty and students. The objectives of this best practice are as follows:

1. **Motivate Research Excellence:** To encourage faculty and students to contribute to impactful research by offering structured incentives for publications.
2. **Enhance Institutional Reputation:** To improve the academic standing of the college through quality research output in high-indexed journals.
3. **Promote Faculty and Student Development:** To support career progression and skill enhancement by recognizing and rewarding research achievements.
4. **Align with Accreditation Goals:** To meet NAAC's focus on innovation and quality under Criterion 7.2.1, showcasing the institution's commitment to best practices.
5. **Foster Collaboration and Innovation:** To promote interdisciplinary and collaborative research that addresses societal and industrial challenges.
6. **Increase Research Output:** To achieve measurable growth in the number and quality of publications annually.

Research publications serve as a critical indicator of an institution's academic credibility and societal contributions. However, fostering a research-oriented culture often requires consistent motivation, structured policies, and support mechanisms.

Aditya Pharmacy College identified the need to establish a systematic framework that incentivizes research, particularly focusing on:

- Publishing in high-quality indexed journals such as **SCI, Scopus, and Web of Science**.
- Encouraging ethical and impactful research contributions.
- Supporting faculty and students in overcoming challenges related to time, resources, and funding.

To address these aspects, the **Incentive Policy for Research Publications** was implemented during the academic year 2022-2023 and further enhanced in 2023-2024.



The Practice

The Incentive Policy is structured to reward research excellence through financial incentives, recognition, and professional development opportunities.

Key Features of the Policy

Eligibility Criteria

- Publications in reputed indexed journals such as SCI, Scopus, Web of Science, or UGC-approved journals.
- Contributions to conference proceedings, book chapters, and patents.

Incentive Structure

- **Tiered Financial Rewards:** Publications with higher impact factors and journal quality receive greater incentives.
- **Additional Benefits:** Research involving interdisciplinary collaboration or societal impact is eligible for supplementary rewards.

Institutional Support

- Access to advanced research facilities, databases, and tools.
- Workshops on manuscript writing, statistical analysis, and research ethics.

Implementation for the Academic Year 2023-2024

During 2023-2024, the policy was effectively executed to drive research productivity and quality. Key activities included:

- Regular training sessions to enhance research and publication skills.
- Financial support for journal submission and conference participation.
- Encouragement of collaborative projects across departments and with industry partners.

Evidence of Success

The success of the Incentive Policy is evident from the significant improvement in research output and the institution's growing recognition in academic and professional circles.



Research Output (2022-2023 vs. 2023-2024)

- 2022-2023: 8 publications, including 4 in SCI journals and 2 in Scopus journals.
- 2023-2024: 11 publications, including 5 in SCI journals, 3 in Scopus journals, and 3 in Web of Science journals.

This 37.5% increase in publications reflects the effectiveness of the policy in fostering research excellence.

Notable Contributions

- Research addressing cutting-edge topics like chemoresistance in cancer and nanocarrier technologies.
- Innovative pharmaceutical formulations enhancing drug delivery systems.

Professional Development

- Faculty members gained expertise in advanced research methodologies and global publication standards.
- Students actively participated in research under faculty mentorship, improving their skills and employability.

Institutional Recognition

- Improved academic standing through citations and collaborations with national and international research organizations.
- Acknowledgement by peer institutions for implementing an effective research policy.

Problems Encountered and Resources Required

Challenges

- Time constraints for faculty managing academic and research responsibilities.
- High publication costs for reputed indexed journals.
- Need for continuous training in advanced research tools and methodologies.

Solutions and Resources Provided

- Regular skill enhancement workshops and access to global research platforms.



Impact on

Faculty and Students

- Empowered faculty and students to achieve excellence in research.
- Created a culture of collaboration and continuous learning.

Institutional Growth

- Enhanced the institution's academic reputation and alignment with global research standards.

Societal and Industrial Contributions

- Research findings addressed societal challenges, including healthcare advancements and pharmaceutical innovations.
- Strengthened industry-academia relationships for applied research.

Future Plans

To build on the success of this policy, Aditya Pharmacy College (A) plans to:

1. Expand the scope of incentives to include technology transfers.
2. Strengthen collaborations with international institutions and industry partners.
3. Introduce mentorship programs to nurture early-career researchers.
4. Organize more frequent research-oriented events to inspire innovation.

Conclusion

The **Incentive Policy for Research Publications** implemented by Aditya Pharmacy College (A), Surampalem, during the academic year 2023-2024, stands as a benchmark for best practices under NAAC Criterion 7.2.1. The policy has significantly contributed to fostering a culture of research, enhancing academic reputation, and supporting professional growth.

This initiative showcases the institution's dedication to excellence in research and its alignment with global academic and societal needs. It highlights the importance of structured incentives in driving innovation and underscores the role of pharmacy education in addressing critical challenges through impactful research.




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