

# 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



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## 7.3.1 INSTITUTIONAL DISTINCTIVENESS (2023-2024)

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# Title: A Chronicle of Excellence: Distinctive Achievements and Participation of Aditya Pharmacy College (A), Surampalem (2023–2024)

## Introduction

Aditya Pharmacy College, Surampalem, is a leader in pharmaceutical education, exemplifying its mission of fostering innovation, academic brilliance, and professional growth. The college provides students with unparalleled opportunities to explore their potential beyond academics through participation in co-curricular and extracurricular activities, including research presentations, national and international competitions, and skill-building events.

This report presents a comprehensive account of the notable participation, presentations, and achievements of the students during the academic year 2023–2024, underscoring the institution's commitment to creating a dynamic and innovative academic environment.

## 1. Student Achievements: Showcasing Distinction

Aditya Pharmacy College students achieved remarkable success in various competitive platforms, demonstrating their expertise, creativity, and innovation.

### 1.1 Achievements in National and International Competitions

- **National Level Article and Review Writing Competitions:**
  - In April 2024, students **Koppiseti Iswarya Vani**, **Chandana Jahnavi**, and **Allu Kavitha** secured **Consolation Prizes** at the **National Level Article Writing Competition** hosted by **Academic Decipher, Mumbai**, for their insightful submissions.
  - Similarly, students such as **Budati Mounika**, **Shiny Petla**, and **Mercy Pinipe** were awarded **Consolation Prizes** in the **National Level Review Writing Competition** held in July 2023, reflecting their analytical and writing skills.
- **State-Level Innovation Competitions:**
  - At the **State-Level Avishkar Innovation Competition 2024**, students **K. Bharath Kumar** and **K. Vaishnavi** secured **2nd Prizes**, showcasing innovative healthcare solutions that blended technical expertise with social impact.



  
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## 1.2 Prizes in Oral and Poster Presentations

- **National Seminar on Biosimilars (March 2024):**
  - Students **Borusu Balavendra Srinivas** and **Koppiseti Iswarya Vani** won the **1st Prize** for their e-poster presentations on biosimilar innovations, highlighting their research and application-oriented approach.
- **1st PharMAIR International Conference (November 2023):**
  - **Aradadi Dona Satyasri Harsha** and **Balla Sri Krishna Veni** won **1st Prizes** for their oral presentations, delving into topics such as osteopoikilosis and the role of health literacy in self-medication practices.

## 1.3 Achievements in Institutional Events

- **Awareness Creating Program on Conjunctivitis (August 2023):**
  - Students such as **Gidla Hepzibah Rani** and **Bokka Pradeepthi** clinched **1st Prizes** in the quiz and e-poster competitions, reflecting their understanding of public health issues.
- **Youth Endeavours for Social Innovations (YESIST-2024):**
  - Participants like **Prem Chand Songa**, **Nandini Palivela**, and **Yarra Hemalatha** showcased interdisciplinary innovations in the qualifying rounds of this national-level competition, earning recognition for their creative solutions.

## 2. Presentations: Translating Knowledge into Impact

Research presentations are integral to Aditya Pharmacy College's ethos, encouraging students to share their insights and contribute to advancements in the pharmaceutical sciences.

### 2.1 E-Poster Presentations

The students' e-poster presentations spanned diverse and impactful topics:

- **"Exploring Antimicrobial Resistance in Cancer Patients"** presented at **ANACON-2023** by **Mounika Lalam** and **V. Hema Ratna Sai Lakshmi**, showcasing their commitment to addressing pressing public health challenges.
- **"Smart Pill Technology for Drug Delivery"** by **K. Vaishnavi**, which won the **3rd Prize** at the National Seminar on Biosimilars.

### 2.2 Oral Presentations

Students delivered exceptional oral presentations and garnered significant accolades:



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- **"Decoding Medication Patterns in Elderly Patients"** by **Aleena Roy**, earning a **2nd Prize** at the **National Conference on Clinical Pharmacology** in Tirupati.
- **"Progression Dynamics in Chronic Kidney Disease"** by **Hemalatha Yarra**, acclaimed at the **National Conference on Pharmaceutical Research** in Rajahmundry.

### 2.3 Case Study and Scientific Model Presentations

Presentations on rare diseases and innovative models received commendation:

- **"A Case Report on Epidermolysis Bullosa"** by **B. Sri Krishna Veni**, showcased at multiple conferences, reflected the students' focus on complex medical conditions.
- **Scientific Model Presentation on Heart Circulation** by **Dandipati Lalitha Maheswari**, demonstrated at the **National Conference on Digital Trends in Pharmaceuticals**, underlined the integration of creativity with scientific accuracy.

## 3. Participation: Building a Global Outlook

Participation in diverse events at regional, national, and international levels is a core aspect of Aditya Pharmacy College's distinctive approach to education. By encouraging students to engage in conferences, workshops, and interdisciplinary competitions, the college equips them with the skills and confidence to address global challenges.

### 3.1 Skill Development Workshops and Webinars

Workshops and webinars play a pivotal role in enhancing students' technical expertise and fostering a culture of continuous learning.

- **Workshops on Cutting-Edge Topics:**
  - The **"Particle Size Reduction for Bioavailability Enhancement"** workshop (September 2023) provided hands-on training in advanced pharmaceutical formulation techniques, enabling students to understand the nuances of optimizing drug efficacy.
  - Similarly, the **"Foreign Medical Frontiers: Heterocyclic Architectures for Advanced Therapies"** workshop (October 2023) exposed students to novel therapeutic approaches, bridging academia and industry.
- **Webinars Focused on Emerging Trends:**
  - Students attended webinars like **"Hyphenated Analytical Techniques for Enhanced Impurity Profiling"** (October 2023), which sharpened their skills in pharmaceutical analysis.



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- The "Basics of MedDRA Coding and Clinical Diagnosis of Adverse Drug Reactions" webinar (October 2023) prepared students for careers in pharmacovigilance and clinical research, addressing global healthcare challenges.

### 3.2 Multi-Disciplinary Events

Aditya Pharmacy College emphasizes interdisciplinary learning by encouraging participation in programs that combine pharmacy with broader scientific and technological domains:

- **Youth Endeavours for Social Innovations using Sustainable Technology (YESIST-2024):**  
Students like **Prem Chand Songa**, **Sunanda Kaligithi**, and **Yarra Hemalatha** showcased their innovative ideas, addressing real-world problems through sustainable technologies. Their participation in this competition exemplifies the integration of pharmacy education with engineering and environmental sciences.
- **Programs on Public Health and Safety:**  
Events such as **World Food Safety Day (June 2023)** and **World Tumour Awareness Day (June 2023)** equipped students with knowledge about public health issues and the global need for food and healthcare safety standards.

### 3.3 Conferences and Seminars

Participation in over 20 prestigious national and international conferences allowed students to present their research, network with experts, and stay updated on pharmaceutical advancements:

- The **National Seminar on Pharmaceutical Education for Tomorrow (September 2023)** emphasized the future of pharmacy education, fostering learning and innovation.
- The **ANACON-2023** conference (November 2023) focused on advancements in analytical techniques, allowing students to present impactful research on drug profiling and resistance.

Through such extensive participation, students gained exposure to global best practices, enhancing their understanding of pharmaceutical sciences in the context of real-world challenges.

## 4. Institutional Support: Nurturing Student Success

The achievements of Aditya Pharmacy College students stem from the robust ecosystem of support provided by the institution. By focusing on mentorship, state-of-the-art infrastructure, and strategic collaborations, the college creates an environment conducive to student success.



  
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#### 4.1 Faculty Mentorship

The faculty at Aditya Pharmacy College are instrumental in guiding students through their academic and professional journeys.

- **Personalized Support:** Faculty mentors provide tailored guidance in areas such as research design, scientific writing, and presentation skills. Students preparing for high-profile conferences and competitions receive extensive coaching to refine their work and deliver impactful presentations.
- **Emphasis on Innovation:** The mentorship culture fosters creativity, with students encouraged to explore unique research topics like biosimilars, advanced drug delivery systems, and case studies on rare diseases.

#### 4.2 Infrastructure and Resources

Aditya Pharmacy College boasts world-class facilities that empower students to excel:


- **Advanced Laboratories:** Equipped with cutting-edge technology, the labs support research in pharmacology, pharmaceutical chemistry, and clinical pharmacy. Students can conduct experiments and analyze results using the latest equipment.
- **Digital Resources:** The digital library and e-learning platforms provide access to a vast repository of scientific journals, research papers, and e-books, enabling students to stay updated with global developments.
- **Research Facilities:** Specialized research centres support interdisciplinary projects, ensuring that students have the resources to tackle complex pharmaceutical challenges.

#### 4.3 Collaborations and Partnerships

Attending Conferences organized by the Institutions in Collaboration with some national and international organizations have enhanced the academic and professional opportunities available to students:

- **Operant Pharmacy Federation and APTI India:** These collaborations have enabled students to attend industry-relevant conferences and workshops, ensuring exposure to current trends.
- **Bharatiya Vijnana Mandali:** This partnership facilitated the participation of students in innovation-based competitions, promoting entrepreneurial thinking and problem-solving skills.

The institution's support system ensures that students are equipped with the knowledge, skills, and confidence to succeed in academic and professional domains.



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## 5. Outcomes and Impact

The impact of Aditya Pharmacy College's initiatives extends beyond the campus, contributing to the personal and professional growth of students and enhancing the institution's reputation.

### 5.1 Enhanced Employability

By participating in skill-building programs, competitions, and research presentations, students have developed critical skills that make them highly sought-after by employers:

- Technical expertise in pharmaceutical sciences, combined with hands-on experience in drug formulation, analysis, and clinical research.
- Strong communication and presentation skills, honed through oral and poster presentations at national and international platforms.

### 5.2 Research Contributions

The college has encouraged students to pursue innovative research, resulting in:

- **Publications in Reputed Journals:** Research findings presented at conferences have been published in national and international journals, contributing to the academic community.
- **Industry-Relevant Innovations:** Projects like smart drug delivery systems and nanoparticle-based therapies have practical applications, reflecting the institution's focus on translational research.

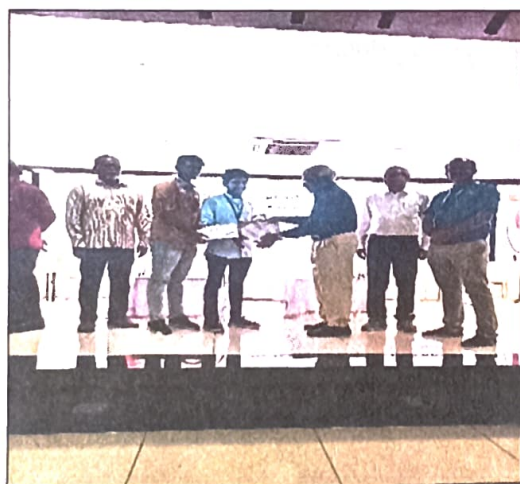
### 5.3 Reputation Building

The numerous accolades and recognitions earned by students have significantly enhanced the reputation of Aditya Pharmacy College:

- The institution is now recognized as a hub for innovation and excellence in pharmaceutical education.
- Partnerships with leading organizations and academic institutions have strengthened, opening doors to new opportunities for students and faculty alike.
- The achievements of Aditya Pharmacy College students during the academic year 2023–2024 reflect the institution's commitment to fostering an environment of innovation, excellence, and holistic development. By excelling in national and international competitions, participating in cutting-edge research, and delivering impactful presentations, the students have not only brought glory to the institution but also showcased the distinctiveness of its academic culture.
- As a pioneer in pharmaceutical education, Aditya Pharmacy College remains steadfast in its mission to empower students, preparing them to be future leaders in healthcare and pharmaceutical sciences. The milestones achieved in 2023–2024 set a benchmark for continued success and institutional growth.



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# Title: A Multi-Pronged Approach to Training in Pharmaceuticals: Bridging Theory and Practice for Public Health Excellence

## Introduction

Aditya Pharmacy College, Surampalem, is a leader in pharmaceutical education, dedicated to equipping students with the skills, knowledge, and ethical foundation required to excel in the ever-evolving healthcare landscape. Recognizing the dynamic nature of global pharmaceutical and healthcare industries, the institution has embraced a multi-pronged approach to teaching, research, and professional development.

This comprehensive framework integrates theoretical knowledge with practical application, fostering innovation and preparing students to address pressing public health challenges. The college's institutional distinctiveness lies in its ability to seamlessly combine rigorous academics with real-world exposure, making it a center of excellence in pharmaceutical education.

This practice underscores the institution's commitment to delivering a holistic learning experience that goes beyond traditional academic boundaries, empowering students to make meaningful contributions to society

## 2. Objectives of the Practice

The objectives of this distinctive practice are as follows:

1. **Promote Public Health Excellence:** Equip students with the knowledge and skills to address critical healthcare challenges effectively.
2. **Enhance Academic Rigor:** Foster an environment of intellectual curiosity through a structured and innovative academic framework.
3. **Bridge the Gap between Academia and Industry:** Provide students with exposure to real-world pharmaceutical practices through internships, industry visits, and research projects.
4. **Develop Future-Ready Professionals:** Enhance students' employability and preparedness for higher education through tailored skill development programs.
5. **Encourage Holistic Growth:** Instill ethical values, teamwork, and leadership skills in students, shaping them into well-rounded professionals

## 3. Context: Preparing tomorrow's Pharmacists

In today's competitive and interconnected world, the pharmaceutical industry demands professionals who are not only academically proficient but also adaptable to emerging trends. Many students entering the field lack awareness of these evolving requirements.



  
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Aditya Pharmacy College addresses this gap by offering a comprehensive educational framework that blends academic learning with practical exposure. The institution's approach emphasizes fostering motivation, discipline, and innovation while preparing students to excel in various roles across the healthcare and pharmaceutical sectors.

The goal is to nurture individuals who are not just employable but capable of contributing significantly to advancements in public health and pharmaceutical sciences.

#### 4. The Practice: Comprehensive Training Framework

The multi-faceted training framework of Aditya Pharmacy College ensures that students receive a well-rounded education. The key components of this framework are:

##### 4.1 Student Induction Program

- New students are introduced to the institution's vision, mission, and core values through a structured induction program.
- The program features guest lectures by esteemed faculty and industry experts, offering insights into career prospects, emerging trends, and the college's academic and co-curricular opportunities.
- Students are also encouraged to set personal and professional goals, aligning their aspirations with the institution's ethos.

##### 4.2 Mentoring and Counselling

- A unique **Mentor-Student-Parent Proctoring Cell** ensures personalized attention to each student's academic and personal development.
- Mentors track attendance, academic progress, and extracurricular participation using **Mentor Books and Proctoring Records (PRs)**.
- Counselling sessions help address individual challenges, uncover hidden talents, and ensure alignment between student efforts and parental expectations.

##### 4.3 Remedial and Bridge Classes

- **Remedial Classes:** Designed for students who need extra academic support, these classes focus on clarifying core concepts and addressing learning gaps.
- **Bridge Classes:** These sessions cater to advanced learners, offering in-depth exploration of complex topics and preparing them for competitive examinations.
- Regular assessments, including unit slip tests and mock exams, help identify academically weaker students and track their progress.



#### 4.4 Internships in Hospitals and Industry

- Students gain invaluable practical experience through internships at a reputed hospital in Kakinada and pharmaceutical companies at Yanam.
- These internships provide hands-on training in areas such as patient counselling, pharmaceutical manufacturing, and quality control, bridging the gap between academic learning and industry practices.
- The **Career Guidance and Placement Cell** plays a pivotal role in securing these opportunities, ensuring alignment with student career goals.

#### 4.5 Hospital and Industrial Visits

- The institution collaborates with leading hospital in Kakinada and pharmaceutical companies to organize field visits for students.
- These visits offer a firsthand look at industry operations, from drug formulation to supply chain management and provide insights into career possibilities.
- Coordinated by the **Industry-Institute Interaction Cell**, these visits also foster networking opportunities with professionals in the field.

#### 4.6 Adjunct Lectures, Seminars, and Workshops

- The college regularly organizes adjunct lectures on cutting-edge topics, such as nanomedicine, personalized drug therapy, and regulatory affairs.
- Workshops and seminars on themes like clinical research, pharmacovigilance, and drug discovery keep students abreast of current trends.
- Personality development programs for final-year students focus on enhancing communication, teamwork, and problem-solving skills, with activities like mock interviews preparing them for the job market.

#### 4.7 Bridge Courses and Mini-Projects

- Semester breaks are utilized for bridge courses and mini-projects, which emphasize hands-on learning and industry relevance.
- Projects often involve collaboration with industry professionals, allowing students to explore areas like novel drug delivery systems and biopharmaceutical analysis.

#### 4.8 Career Guidance and Skill Development Programs

- The **Placement Cell** conducts skill development sessions tailored to industry needs.



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- Programs on resume building, interview techniques, and higher education pathways ensure students are well-prepared for life after graduation.
- Focused sessions on global pharmaceutical markets help students explore opportunities for higher education and employment abroad.

## 5. Evidence of Success

Aditya Pharmacy College's commitment to excellence is evident from the following outcomes:

1. **Increased Admission Demand:** The growing number of admissions reflects the institution's reputation for quality education and career readiness.
2. **Improved Academic Results:** Regular assessments and personalized interventions have led to significant improvements in student performance.
3. **Enhanced Placement Records:** Graduates secure positions at leading pharmaceutical companies, hospitals, and research institutions, both nationally and internationally.
4. **Notable Alumni Achievements:** Alumni have excelled in diverse roles, contributing to the institution's reputation and forging new paths in pharmaceutical research and practice.

## Specific Success Stories:

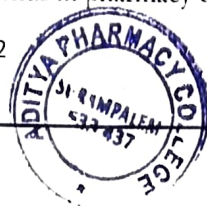
- Students have consistently won prizes in national-level competitions and have presented impactful research on topics such as biosimilars and drug resistance.
- Multiple students have published their research in reputed journals, a testament to the institution's emphasis on academic rigor.

## 6. Problems Encountered and Resources Required Challenges

1. **Diverse Academic Backgrounds:** Addressed through remedial and tutorial classes to bridge learning gaps.
2. **Dynamic Job Market Trends:** The College continuously updates its training programs to align with evolving industry needs.
3. **Social Media Distractions:** Regular counseling sessions and mentoring help students maintain focus on academic and career goals.

## Resources Required

- Expanded remedial programs and infrastructure for advanced learning.
- Enhanced collaborations with international pharmaceutical organizations.
- Additional faculty training to address emerging trends in pharmacy education.



## 7. Conclusion

The institutional distinctiveness of Aditya Pharmacy College, Surampalem, lies in its unwavering commitment to holistic student development. By integrating academic rigor with real-world exposure, the college prepares future-ready pharmacists equipped to address global healthcare challenges.

Through its innovative practices, robust support systems, and measurable outcomes, Aditya Pharmacy College continues to set benchmarks in pharmaceutical education, empowering students to contribute meaningfully to society and the healthcare industry.



  
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