



Viswambhara Educational Society

## VAAGDEVI PHARMACY COLLEGE

Approved by AICTE, PCI-New Delhi & Affiliated to JNTUH  
P.O.BOLLIKUNTA, WARANGAL 506 005(Telangana State)

### 2.3.1. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Vaagdevi Pharmacy College provides an effective platform for students to build cutting-edge skills, knowledge, attitudes, and values that will help mould their behavior in the right direction. All departments run innovative programmes that stimulate students' creative abilities while also providing a platform for them to develop their problem-solving skills and assure participatory learning. Students are also encouraged to compete at the intercollegiate and national levels. The institute focuses on student-centered approaches of improving students' lifetime learning skills. The methodologies include illustrations and special lectures, field visits, case-studies, project-based-methods, experimental methods. This strategy aids in increasing their self-esteem and encouraging independence. Faculty members strive to make learning more interactive by allowing each individual student to comprehend at their unique level by assuring their participation in class activities so that they can absorb and grasp information at their own pace. Students' feedback on the Course and teachers at the conclusion of each semester provides an opportunity to discover any gaps that may then be corrected. The facilities arranged by the institute are listed below.

#### Experiential Learning

Faculty members promote a learning environment by engaging in rich experiential teaching content through experimentation, demonstration, visual aids, occasional industrial visits, organizing exhibitions, and delivering papers. The Student seminars are required in all programmes at the institute. Typically, students deliver seminars on current topics as well as cutting-edge technologies. All courses offered at the institute require project work. The implementation period lasts one to two semesters. The effective processes of survey, case study; implementation, testing, and report writing ensure that students receive the necessary project-based learning. Some disciplines are supplemented with learning while doing mini-projects. Projects and assignments are given to students in addition to the standard curriculum, which improves their capacity to absorb and convey additional information on a specific topic and gives them the chance to learn firsthand. Students tour the pharmaceutical sector and are given four weeks of training to help them learn the industrial manufacturing processes, quality assurance process, stability studies, and flow of the industry.



  
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### **Participative learning:**

In this type of learning, students participate in various activities such as seminar, group discussion, wall papers, projects, and the skill based add on courses. Teachers make classes as interactive as possible and encourage innovative thought and novel interpretations. Audio- Visual methodology, hands-on practice sessions, Industrial Visits, Field Work and Projects are some of the means utilize by the Institution to provide experiential and participative learning. The case study method is a participatory, discussion based way of learning where students gain skills in critical thinking, communication, and group dynamics. Appropriate integration of case studies in chosen subjects is arranged by the concerned departments. Implementation, testing and report writing ensure the required project-based learning among the students. Some subjects are augmented with learning through implementation of mini-projects.

### **Role plays**

Students take part in clinical activities like patient-guiding during their pragmatic hours and furthermore permitted to take part in mock counseling sessions where students consider themselves as Patients.

### **Problem Solving Methodologies**

- a) By adding case studies and tasks relating to the relevant course areas in theory or practical sessions, students' problem-solving skills are improved.


### **Self directed learning (SDL)**

By offering reference materials and the use of a book bank, the students are encouraged to pursue independent study. By letting students use the advanced tools under instructor supervision, practical skills are built.

### **Project-based learning**

The institute has established separate research committees that supports and helps students develop their research abilities in order to foster research activities by providing the required resources. The committee can be contacted by interested students via the research policy to help them with any of their research initiatives. In accordance with the research policy, students may



  
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also receive travel and/or registration reimbursements for presenting their research findings at conferences, seminars, and poster competitions. Additionally, students are encouraged to write research papers with the assistance of teachers.

### **Interdisciplinary learning**

The institution invites academics and students to participate in cross-departmental research projects in order to foster interdisciplinary learning. The research activities demonstrate the calibre of the institution, which has already been established through well-known publications.

### **Clerkship**

During their curriculum, students will receive brief exposure to and training in a variety of practice settings, including businesses, pharmacies, and hospitals.

1. To give students a sense of what it would be like to work in the field.
2. To expose them; this will spark their interest in learning the material from a real-world standpoint.
3. To give students the chance to practise interacting and working with real-world experts.
4. The students would be exposed to "Patient" in various settings, which would help them understand the patients' requirements, the value of effective communication, and social, cultural, and emotional variables that cannot be replicated in a college setting.

The students ultimately benefit from all of these lessons as they prepare for their future careers as pharmacists.



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Students participating in International conference



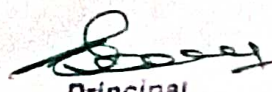
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Students participating in Pharma Quiz



Students participating in Debate



  
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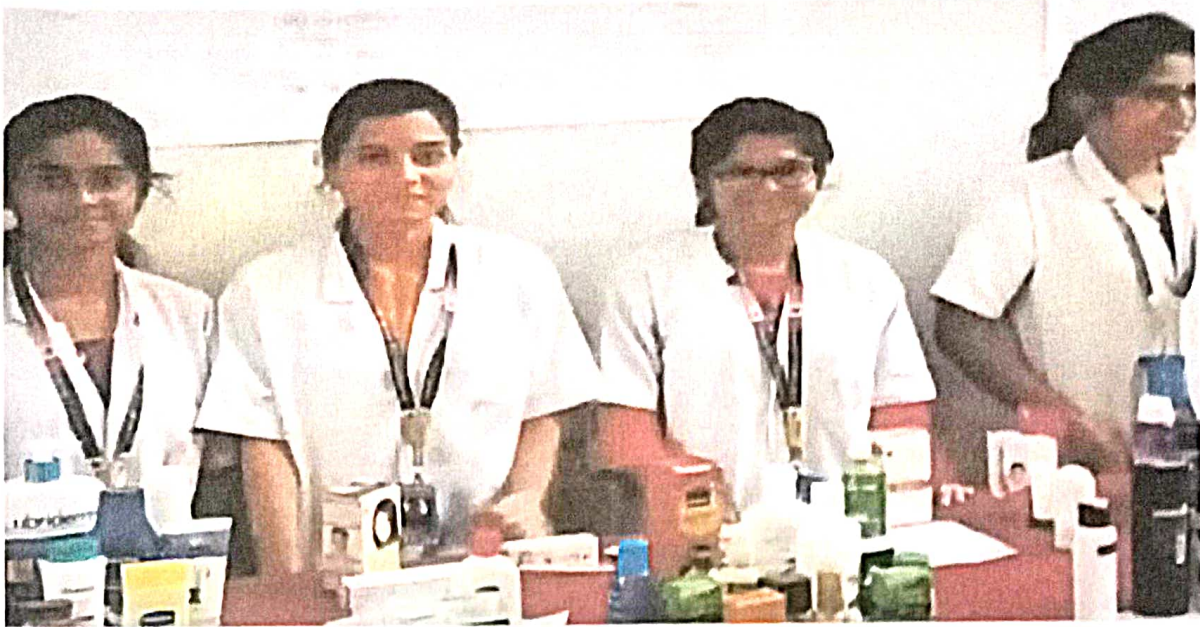
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Pharmaceutical & Cosmetics Expo organized by the students



  
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**Herbal expo organized by students**



**Students participating in health camp**



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Students organizing Blood Pressure and diabetes monitoring



Students participating in Rangoli during Pharmacist day celebrations



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Students presenting project work seminar



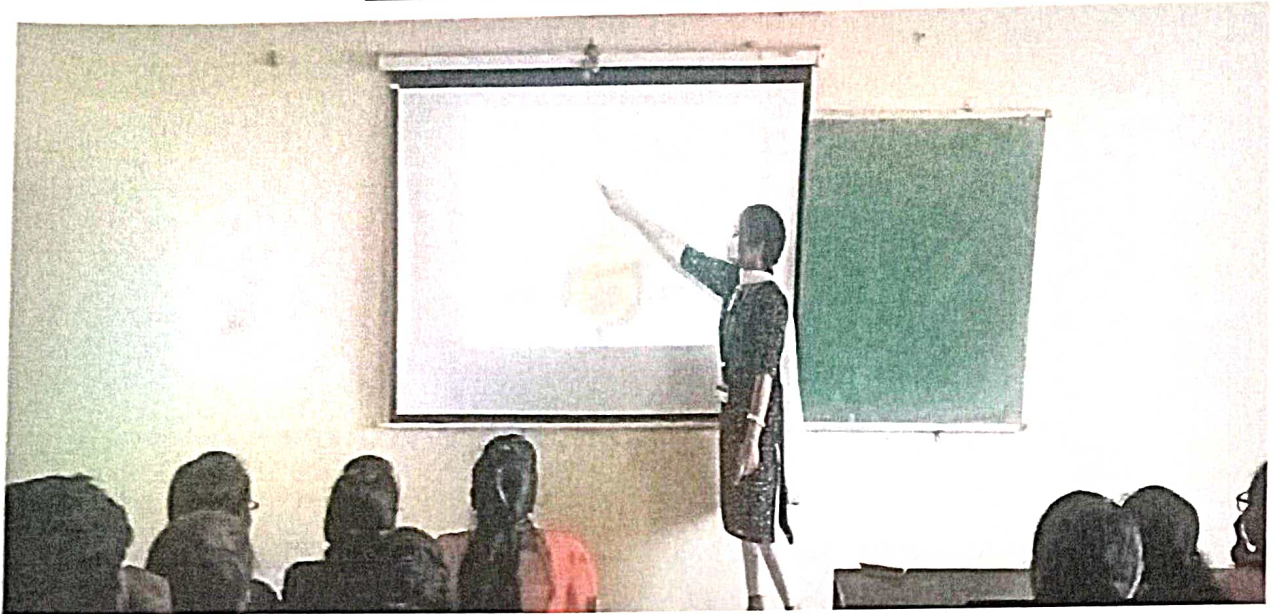
  
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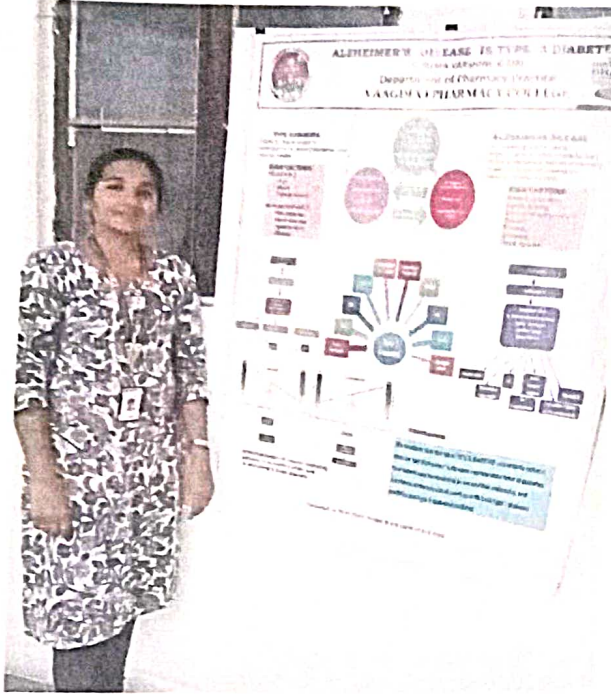
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**Poster presentation by students**



**VAAGDEVI COLLEGE**  
**ROLE OF INSULIN PILLS IN DIABETES**  
 G.TEJASWINI, M.AKHILA  
 VAAGDEVI PHARMACY COLLEGE, BOLLIKUNTA, WARANGAL

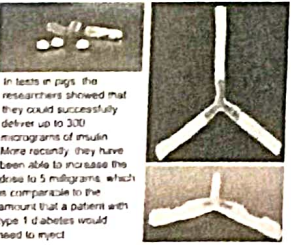
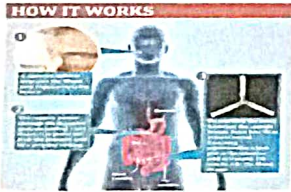
**CONCEPT**  
 Diabetes mellitus is a metabolic disease characterized by hyperglycemia.

Millions of patients living with diabetes could finally be spared from having to inject themselves with insulin.

Most of the diabetic patients are treated with insulin injections. In a bid to end the pain of needles has been goal of many pharmaceutical companies since many years. Insulin pills are now here in an insulin tablet, remain at an early stage of clinical trials with several researchers trying to establish this as a credible alternative to insulin injections.

Manufacturers recently of technology researchers have now created a capsule strong enough to survive stomach acid & stomach enzymes and a 1.18 inch 3.5mm capsule strong enough to cope with the harsh environment, according to trials we see. The protective layer made of poly(methacrylic acid-co-methyl methacrylate) designed to dissolve at a pH greater than 5.5 will then break apart and the capsule will unfold into a tri-armed shape with three arms.

Each arm is coated with several thin long needles which latch on to the intestinal wall and pump the drug directly in to the bloodstream to keep the process of lowering blood sugar levels.



**HOW IT WORKS**  
 In tests in pigs, the researchers showed that they could successfully deliver up to 300 micrograms of insulin. More recently, they have been able to increase the dose to 5 milligrams, which is comparable to the amount that a patient with type 1 diabetes would need to inject.

**HOW DOES THE INSULIN PILL WORK?**  
 A diabetic sufferer swallows the 30 mm capsule. The capsule passes down the oesophagus and into the stomach where it is protected from the acid by a tough polymer coating. The pill enters the small intestine where the organ's pH conditions cause the polymer layer to break away. The capsule then unfolds into 3 arms - each tipped with 1 mm micro-needles. The micro-needles latch on to the intestinal wall and administer the insulin into the blood stream. The capsule completely dissolves within 1 hr and gets eliminated within 24 hrs. The three arms have been designed so that they are sturdy enough to enter the micro-needles but still able to dissolve within several hours. Roughly 6% of the UK's 4M diabetes patients suffer from Type 1. While Type 2 diabetes is caused by an unhealthy lifestyle, it is still unclear what triggers Type 1, an 85% of people diagnosed have no family history of the condition.

**VAAGDEVI COLLEGE**  
 Deficiency of VITAMIN -A & D  
 ANOOPHYA  
 DEPARTMENT OF PHARMACY PRACTICE  
 VAAGDEVI PHARMACY COLLEGE

**VITAMIN-A**  
 Sources of Vitamin A

**VITAMIN-D**  
 SOURCES OF VITAMIN D FROM FOODS

**8 obvious signs you have a Vitamin D deficiency...**

**Vitamin A (RETINOL)**

**VITAMIN D do you Need?**

**KNOW YOUR FOOD BETTER**



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**Industrial Visit**



  
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