



## **SULTAN-UL-ULOOM COLLEGE OF PHARMACY**

**(Estd. by Sultan-ul-Uloom Education Society)**

Approved by AICTE & Pharmacy Council of India

Affiliated to Jawaharlal Nehru Technological University, Hyderabad

B.Pharm Program Accredited by NBA

Recognized under Section 2(f) & 12(B) of the UGC Act, 1956

### **Best Practice 1: Nurturing Young Innovative Entrepreneurs / Aatmanirbhar Youth Objective:**

The "Aatmanirbhar Youth" initiative by Sultan-ul-Uloom College of Pharmacy is a flagship program designed to develop entrepreneurial skills and empower students to become self-reliant innovators. It aligns with the vision of an Aatmanirbhar Bharat and focuses on:

1. Encouraging creativity and innovation in students to transform ideas into viable business models.
2. Equipping students with practical business and leadership skills.
3. Promoting self-reliance by transitioning students from job seekers to job creators.
4. Instilling a sense of responsibility, ethical business practices, and a commitment to sustainable development.
5. Preparing students for success in a rapidly evolving and competitive global economy.

By nurturing critical thinking, problem-solving, and hands-on entrepreneurial skills, the initiative aims to empower students to create their own opportunities and contribute significantly to society and the economy.

#### **The Context:**

The program recognizes several challenges in promoting entrepreneurship and addresses these issues through targeted strategies:

1. **Lack of Awareness and Interest:** Many students lack exposure to entrepreneurship as a viable career option and are unaware of opportunities available in the field.
2. **Resource Constraints:** Limited funding, mentorship, and infrastructure create barriers to comprehensive entrepreneurial education.
3. **Cultural and Societal Pressures:** Women entrepreneurs face additional hurdles, including social stigma and unequal opportunities.

4. **Regulatory Complexities:** Navigating legal and compliance frameworks can be intimidating and resource-intensive for new entrepreneurs.
5. **Sustainability Challenges:** The program aims to promote socially and environmentally responsible entrepreneurship, integrating ethical practices and a sustainability focus.

### **The Practice:**

Recognizing the constraints of the Indian higher education system—such as curricular gaps, exam-oriented learning, and limited infrastructure—Sultan-ul-Uloom College of Pharmacy has developed a holistic and innovative approach to address these challenges.

#### **1. Institution Innovation Council (IIC):**

- Recognized by the Ministry of Education, Government of India, the IIC promotes entrepreneurship within higher education institutions.
- Adoption of the National Innovation and Startup Policy (NISP).
- Training of Innovation Ambassadors to mentor students and faculty in entrepreneurial ventures.
- Participation in national initiatives like Smart India Hackathons to foster problem-solving and innovation.

#### **2. SU Knowledge Hub:**

- A dedicated academic start-up incubator providing a platform for students to explore their ideas and accelerate venture building.
- Offers access to workshops, advisors, technical mentors, funding opportunities, and a collaborative environment.
- Industry connections to bridge the gap between academic knowledge and real-world applications.

#### **3. Focus Areas:**

- **Workshops and Seminars:** Engaging experts and successful entrepreneurs to inspire and guide students.
- **Hands-on Innovation Support:** Facilitation of patent filing, prototype development, and project implementation.
- **Entrepreneurial Networking:** Building a community of like-minded peers for knowledge sharing and collaboration.
- **Sustainability Emphasis:** Encouraging projects that integrate social responsibility and environmental consciousness.



#### 4. Overcoming

#### Limitations:

Despite limited infrastructure and resources, the college's innovative approach ensures students receive practical exposure, mentorship, and opportunities to turn their ideas into reality.

#### Evidence of Success:

The following students participated and presented their Ideas at the Fest.

##### Team 1. 3D Organ Printing Model

- |      |                                  |   |                    |
|------|----------------------------------|---|--------------------|
| i)   | Mr. Mohammed Turabuddin Siddiqui | - | Pharm. D. III year |
| ii)  | Mr. Shujauddin Ahmed             | - | Pharm. D. III year |
| iii) | Mr. Mir Omer Ali                 | - | Pharm. D. III year |

##### Team 2. PCOSense App Designing

- |     |                        |   |                    |
|-----|------------------------|---|--------------------|
| i)  | Ms. Ayesha Imtiaz      | - | B. Pharm. III year |
| ii) | Ms. Ayesha Ismath Alvi | - | B. Pharm. III year |

##### Team 3. Pharmaverse App


- |    |                  |   |                    |
|----|------------------|---|--------------------|
| i) | Ms. Bisma Zainab | - | B. Pharm. III year |
|----|------------------|---|--------------------|

##### Team 4. GENPharma App Designing

- |    |                     |   |                   |
|----|---------------------|---|-------------------|
| i) | Ms. Qamar Mohammadi | - | B. Pharm. IV year |
|----|---------------------|---|-------------------|

**Ms. Bisma Zainab, B. Pharm III year got First Prize under Idea category. The above teams were mentored by Ms. Khwaja Amtul Raouf, Asst. Professor.**

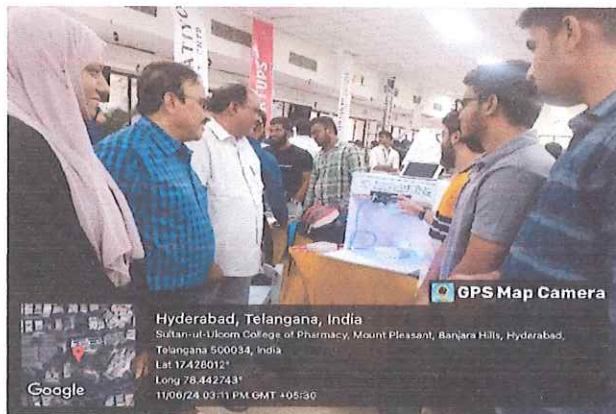
In this regard, to appreciate the above students and their mentor Ms. Khwaja Amtul Raouf, Asst. Professor for their active participation in the Fest, we request you to sanction a small prize amount from the College to the above teams.





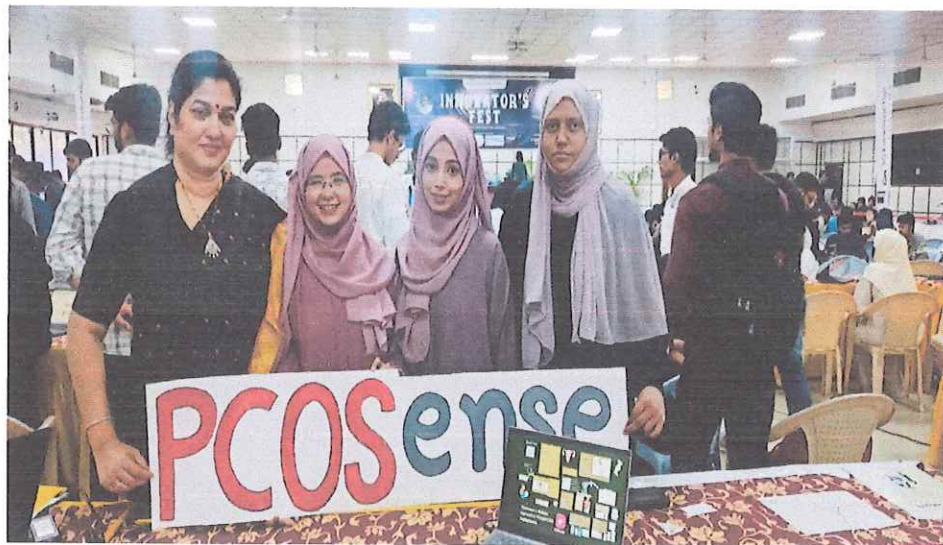
**1. 3D Organ Printing Model by Mr. Mohammed Turabuddin Siddiqui, Mr. Shujauddin Ahmed and Mr. Mir Omer Ali (Pharm. D. III year).**

**3D Bioprinting** is revolutionizing biomedical engineering by enabling the creation of custom-tailored tissues and organs. This process involves designing a 3D model using CAD, preparing bionics from living cells, printing layer by layer, and maturing the biostructures in a bioreactor. Applications include regenerative medicine, drug development, and personalized treatments, potentially reducing the need for organ transplants and improving patient outcomes. Despite challenges in viability, scaling, and regulation, 3D bio printing holds immense promise for advancing human health. Continued research and technological advancements are essential for realizing its full



2. **PCOSense App Designing by Ms. Ayesha Imitiaz and Ms. Ayesha Ismath Alvi (B. Pharm. III year).**

**PCOSense App:** The key features of the app would include menstrual cycle tracking based on the inputs of the user including important health metrics, giving access to fitness regimes and PCOD friendly diet and ingredients suggestions and all progress being recorded and can be visualized using dashboard. The app would also contain a feature of scanning barcodes on food to know it's nutritional value, the main concept which is also a differentiator of our app is the concept of 'seed cycling' included during menstrual cycle. The would provide reminders and notifications to the user about different activities to be done as mentioned above. The aim of our app would be to manage PCOS without medications by following healthy diet and lifestyle consistently to provide a long term progress addressing the root cause in a holistic approach.





### 3. Pharmaverse App by Ms. Bisma Zainab (B. Pharm. III year)

**Pharmaverse App** - A platform for all the dermatology and cosmetology needs.

Pharmaverse is an integrated platform catering to dermatology and cosmetology needs, offering convenient doorstep product delivery and online consultations with dermatologists. The platform aims to provide comprehensive solutions for skincare, addressing both product accessibility and expert medical guidance. With a user-friendly interface, customers can browse a wide range of skincare products and have them conveniently delivered to their doorstep.

Pharmaverse's unique selling proposition lies in its seamless integration of e-commerce and telemedicine, making it a one-stop solution for dermatological and cosmetological needs. By combining product accessibility with expert guidance, the platform addresses the growing demand for convenient and holistic skincare solutions in today's fast-paced world.

The first version of the platform and website is an e-commerce with product delivery service. The second version will include many other features like online consultations with dermatologists and experts, AI chatbot which will help with any skincare queries and also AI skin analysis which will help detect skin ailments and order product by prescription and picture.



#### 4. GENPharma App Designing by Ms. Qamar Mohammadi (B. Pharm. IV Year).

**GEN PHARMA APP:** Gen pharma is an app which can scan your medical prescription and recommend generic drug alternatives for the prescribed branded drugs.

**FORMULA:** Dapagliflozin 10 mg and vildagliptin 100mg (SR) PRICE :79 you can order generic drugs via this app and this drugs will be send to you from JAN AUSHADI KENDRA. This app is not only providing you with generic drugs but also connecting people with Government initiatives. This app also has features like daily medicines reminder and medication re-purchase reminder as well.

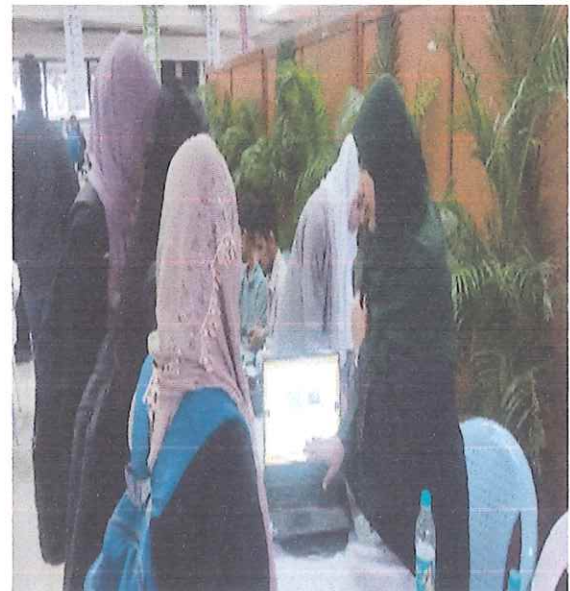
For example,



**BRANDED DRUG: ZOMELIS D  
DGSON-V-10**



**GENERIC DRUG :**



**Impact and Outcomes:**

## **Impact and Outcomes:**

### **1. Empowered Students:**

- Students have developed essential business acumen and leadership qualities.
- *The initiative has transformed students into confident, self-reliant entrepreneurs.*

### **2. Economic Contribution:**

- By fostering startups and job creation, the initiative contributes to India's economic growth.
- Reduces reliance on traditional employment opportunities.

### **3. Sustainability Focus:**

- Encourages ethical business practices and socially responsible ventures.
- Promotes projects with environmental and community benefits.

### **4. Recognition:**

- Participation in national initiatives and hackathons has brought accolades to the college.
- Student projects and startups have gained visibility and acclaim in the entrepreneurial ecosystem.



PRINCIPAL

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