



BVRR WOMEN'S  
COLLEGE OF PHARMACY  
Hyderabad-500027 (T.S) Phone: 040-2756...  
Accredited by NMAC  
Approved by PCI & Affiliated to Osmania University  
Organizing  
A NATIONAL CONFERENCE  
on  
OF AI IN DRUG DISCOVERY  
AND MANUFACTURING  
on 21st & 22nd February

SR. BAHADUR VENKATA RAMA REDDY  
1869 - 1953

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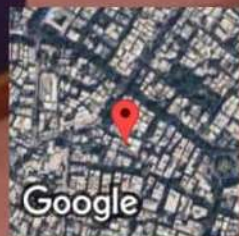


Street Number 8, Barkatpura, Hyderabad,  
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Hyderabad, Telangana, India

3-4-513, Barkatpura, Kachiguda, Hyderabad, Telangana 500027, India

Lat 17.393517° Long 78.49493°

21/02/2025 12:21 PM GMT +05:30





Prof. M. SUMAKANTH  
Principal

Dr. SHYAM PERUGU

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Street Number 8, Barkatpura, Hyderabad,  
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Lat 17.393553, Long 78.495006  
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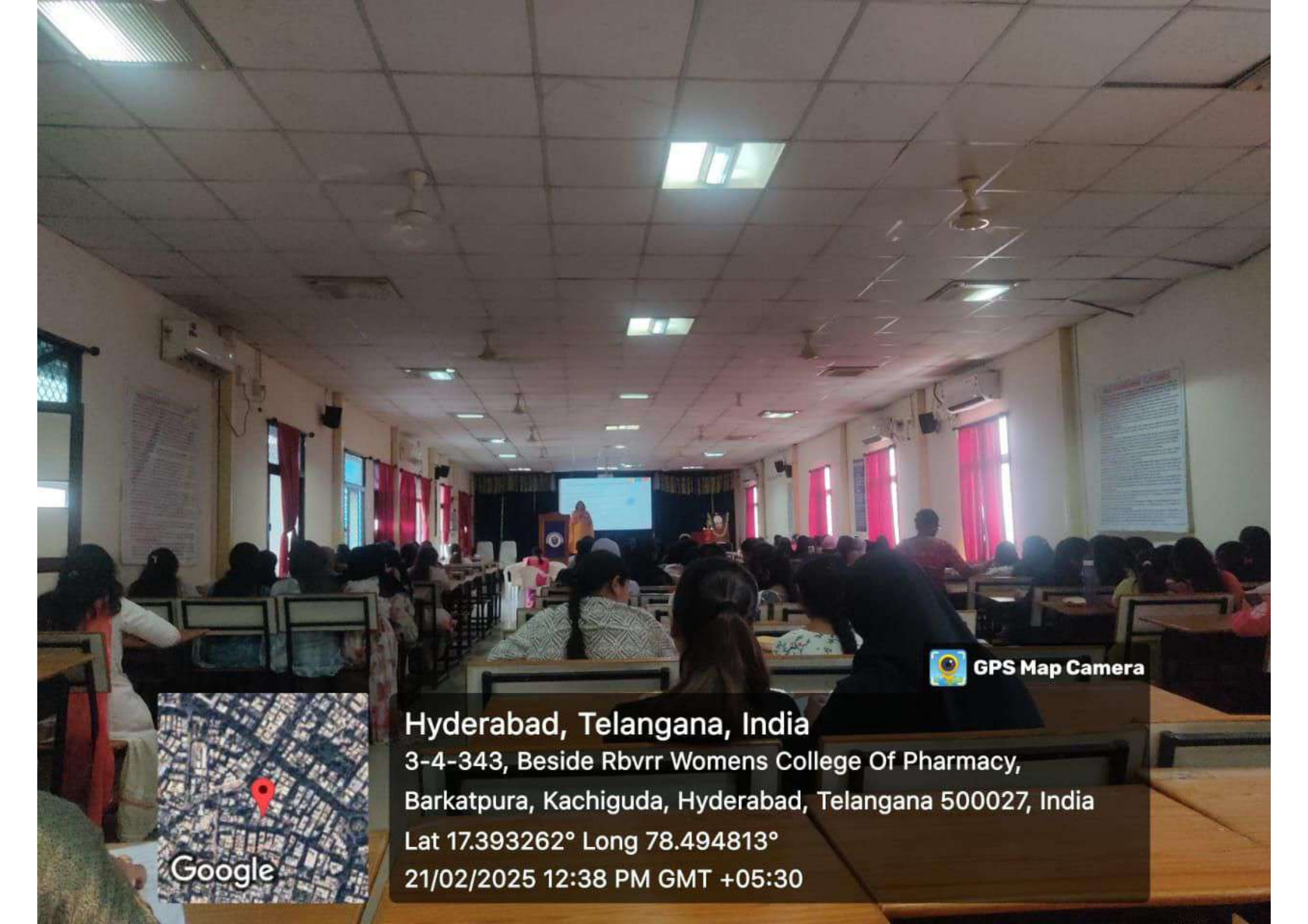




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**3-4-343, Beside Rbvrr Womens College Of Pharmacy,  
Barkatpura, Kachiguda, Hyderabad, Telangana 500027, India**

**Lat 17.393262° Long 78.494813°**

**21/02/2025 12:38 PM GMT +05:30**





Artificial Intelligence in Drug Discovery and Manufacturing Practices

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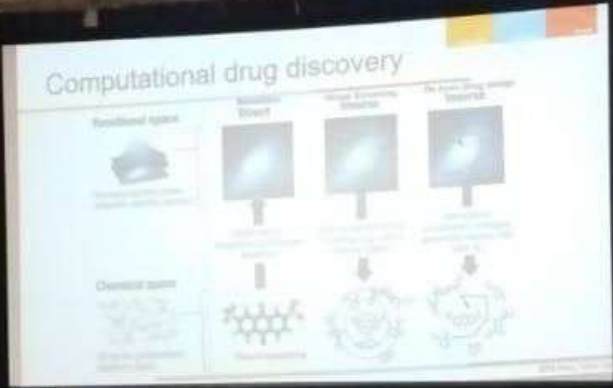



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Street Number 8, Barkatpura, Hyderabad,  
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3-4-335, Barkatpura, Kachiguda, Hyderabad, Telangana  
500027, India  
Lat 17.393494° Long 78.494986°  
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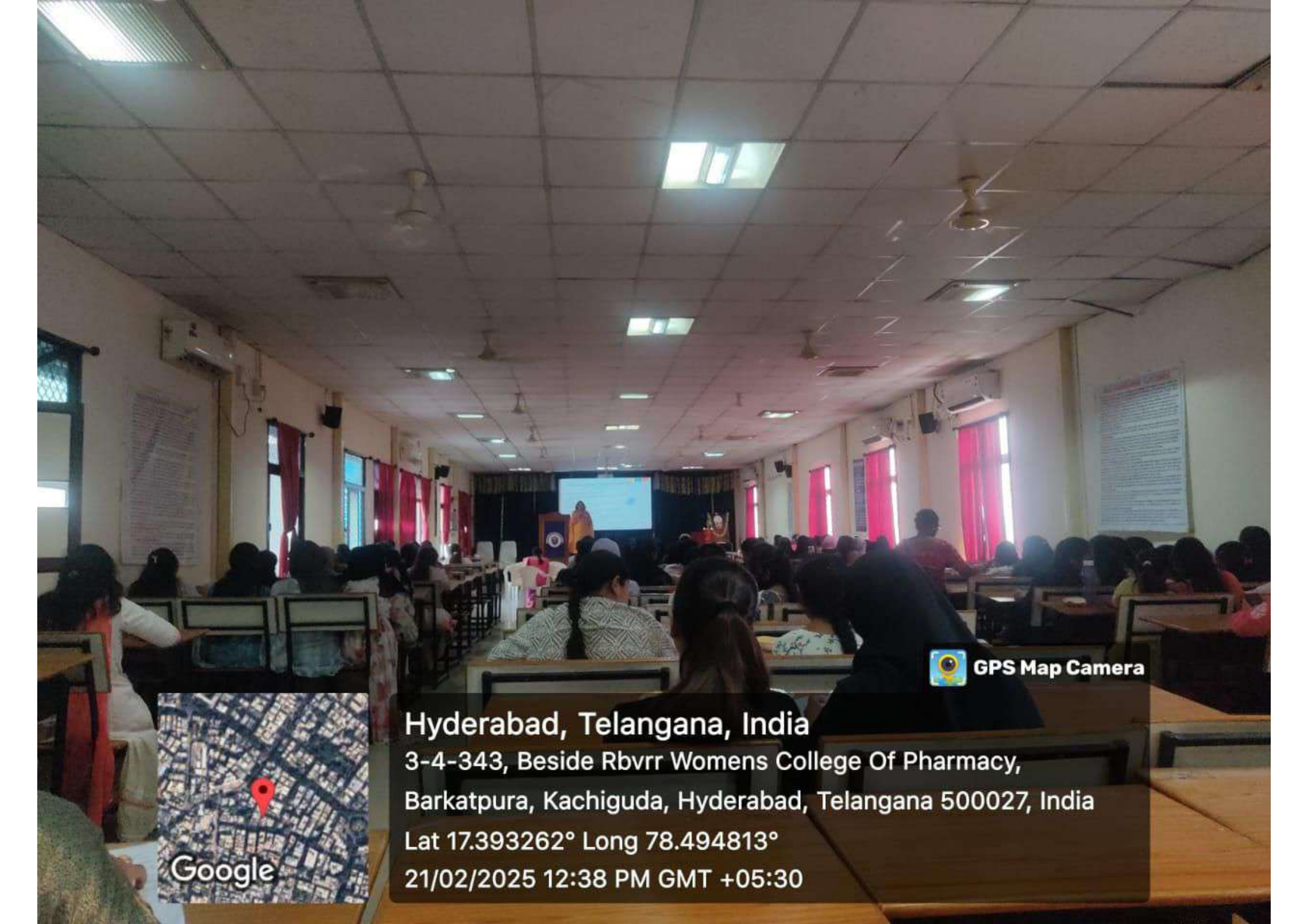


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Telangana 500027, India  
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Education is the most powerful  
weapon to change the world.

Don't cry because it's over,  
Smile because it happened.

SAVE ENERGY  
DON'T WASTE IT



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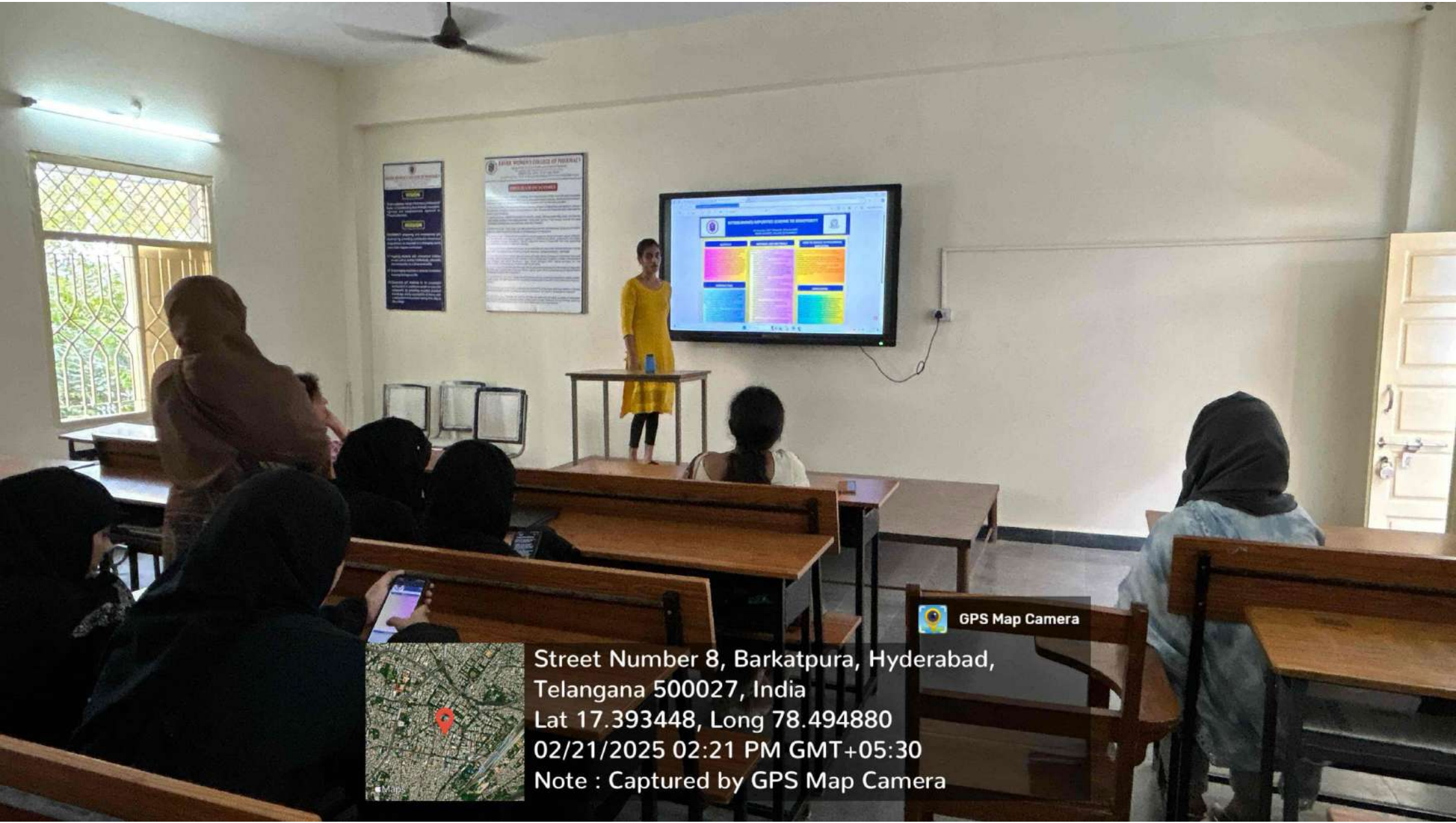


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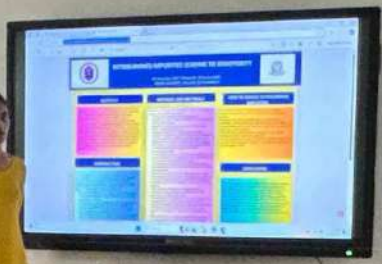
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Note : Captured by GPS Map Camera






NOTICE  
The following notice is issued for the purpose of providing information to the students regarding the admission process for the year 2025-26. The details are as follows:  
1. The admission process will be online through the college website.  
2. The application form will be available from 15th March 2025 to 30th March 2025.  
3. The fee for the application form is Rs. 1000/- (One thousand only).  
4. The fee will be paid in cash at the college office.  
5. The application form will be submitted to the college office.  
6. The details of the application form are as follows:  
7. The application form will be available in both English and Telugu.  
8. The application form will be available in both print and digital format.  
9. The application form will be available in both English and Telugu.  
10. The application form will be available in both print and digital format.

SAJEE WOMEN'S COLLEGE OF FEDERAL  
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Street Number 8, Barkatpura, Hyderabad,  
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Lat 17.393448, Long 78.494880  
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Street Number 8, Barkatpura, Hyderabad,  
Telangana 500027, India  
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Bring Diversity and Development to a planet  
of 8.5 billion people  
of 180 different languages  
of 195 different nations

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**REVRW WOMEN'S COLLEGE OF PHARMACY**  
 Barkatpura, Hyderabad-500027 (T. No: 9848-2744396)  
 (Approved by P.T.A. Affiliated to Osmania University)  
 ORGANIZING  
**A NATIONAL CONFERENCE ON**  
**"ROLE OF AI IN DRUG DISCOVERY AND MANUFACTURING"**  
 ON 21st & 22nd February, 2025

**ORGANISER**  
 Prof. K. Muthayya Reddy  
 In-charge

**CHAIRMAN**  
 Prof. M. Sarin  
 Principal, 2024

**BY: J. Ravi Kumar**  
 Professor & Head,  
 Department of Pharmaceutics

**DR. A. K. Sarin**  
 Professor and Head,  
 Dept. of Pharmacology



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**A NATIONAL CONFERENCE ON**  
**ROLE OF AI IN DRUG DISCOVERY AND MANUFACTURING**  
 on 21st & 22nd February, 2025

CONVENER  
**Prof. M. Sumakanth**  
 Principal, RBVRRWCP

Co-ordinators  
**Dr. A. K. Sallaja**  
 Professor and Head  
 Dept. of Pharmaceutics



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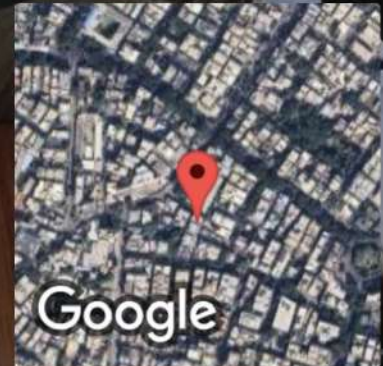
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Let us sacrifice our today so that our children can have a better tomorrow.



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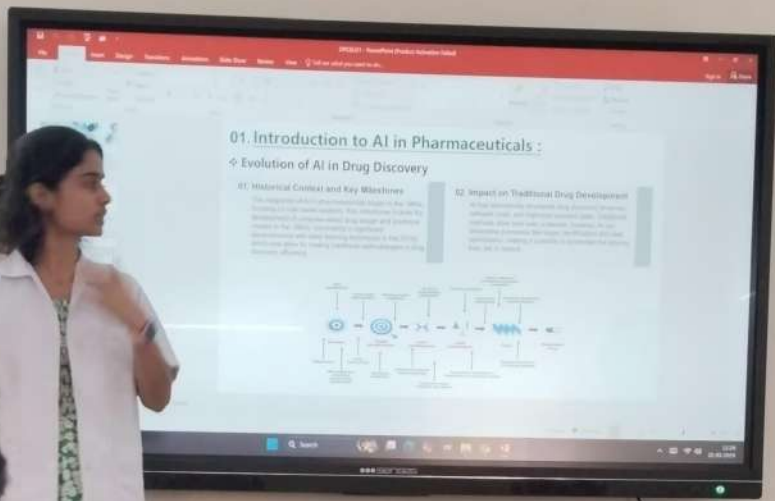


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can have a better tomorrow.

It always seems too  
until it's do



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**500027, India**

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day so that our children  
better tomorrow.

It always seems too impossible  
until it's done.



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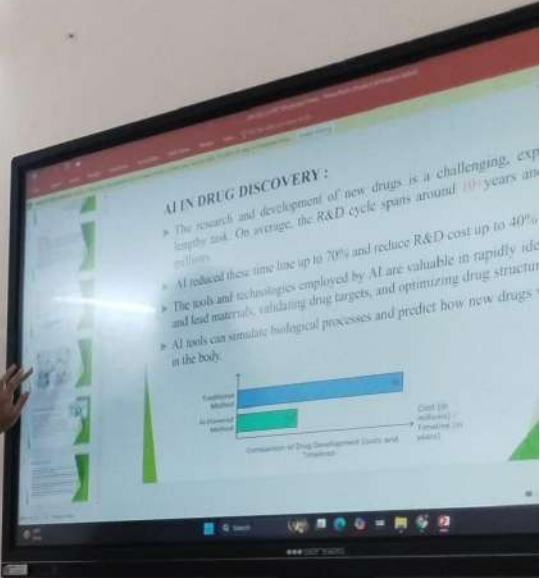


**Hyderabad, Telangana, India**  
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**500027, India**  
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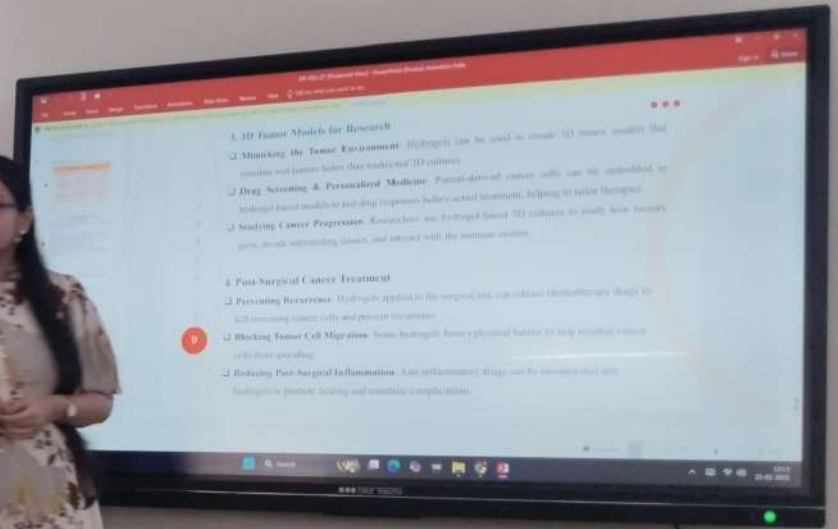
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**Hyderabad, Telangana, India**  
**3-4-355, Basant Nagar Colony, Kachiguda, Hyderabad,**  
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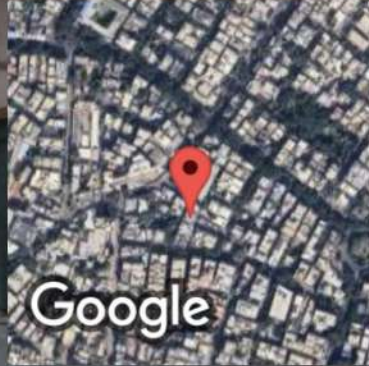
It always seems too impossible until it's done.

**Clinical Background**

End-stage lung disease is the fourth leading cause of death around the world, with lung transplantation being the only effective treatment. However, challenges like a shortage of donor organs and the need for lifelong immunosuppression limit its impact. Each year, fewer than 3000 suitable organs are available, and over 10% of patients on the waiting list die. After transplant, one-third of recipients face acute rejection in the first year, and only half of survivors keep their graft functioning beyond 5 years. Tissue engineering and regenerative medicine are exploring alternative solutions to address organ failure, organ shortages, and chronic rejection. This will discuss advancements in stem cell biology, and whole organ engineering for creating bioartificial lungs.



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Education is the most powerful weapon to change the world.

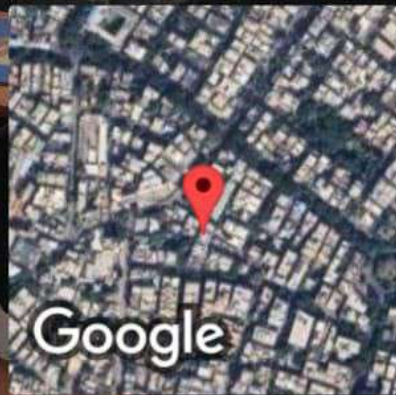
Don't cry because it's over,  
Smile because it happened.

### Introduction

- Global Rise in Obesity: Increasing number of obese patients worldwide.
- Conventional Weight Loss Methods: Lifestyle modifications (diet and exercise) recommended for often insufficient.
- Pharmaceutical Interventions:
  - Five categories: central appetite suppressants, digestion blockers, metabolic promoters, obesity gene product inhibitors, other indications.
  - Conventional drugs (e.g., Sibutramine) linked to serious side effects such as dry mouth, insomnia, nausea, constipation, and neurological issues.



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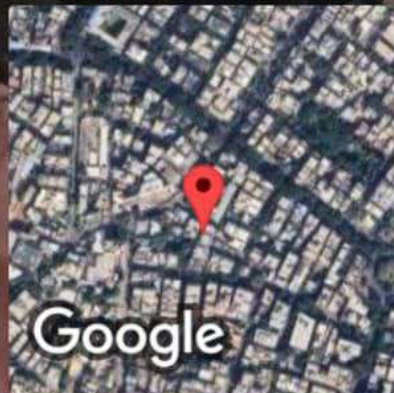
Don't cry because it's over,  
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### INTRODUCTION

- **BIOSIMILAR** :- A biosimilar is a biological medical product highly similar to another already approved biological medicine (the reference medicine), that has introduced many new treatment options to life-threatening and rare illnesses.
- Biological or biopharmaceuticals are drugs produced from living cells through the biological process and imitate the natural biological substances such as hormones.



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WOMEN'S COLLEGE OF PHARMACY  
BARKATPURA, HYDERABAD  
TELANGANA, INDIA  
500027

**LEARNING OUTCOMES**

1. Understand the importance of the drug and water balance in clinical practice and its role in the management of various clinical conditions.

2. Identify the various clinical conditions associated with drug and water balance and its role in the management of various clinical conditions.

3. Understand the role of drug and water balance in the management of various clinical conditions.

4. Understand the role of drug and water balance in the management of various clinical conditions.

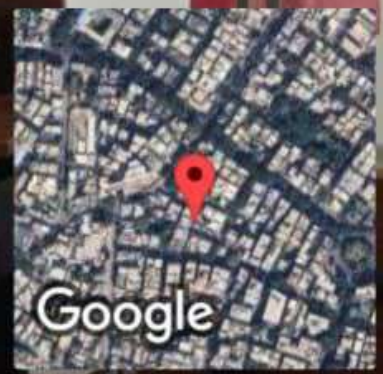
5. Understand the role of drug and water balance in the management of various clinical conditions.

### Introduction to Clinical Trials:

- **Purpose:** Assess the safety and effectiveness of new therapies for regulatory approval and treatment guidelines.
- **Challenges:** Recruitment and retention issues, time delays, high costs, and complex results.
- **Growth:** Clinical trials increase by ~8% annually as new therapies emerge.
- **Spending:** Clinical spend increases significantly as new therapies reach the market.



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