



# **QUALITY IMPROVEMENT AND ENHANCEMENT INITIATIVES BY IQAC WORKSHOPS**



| WORKSHOP-1<br>A three-day Workshop on<br>Current Trends in Bio-pharmaceutical and Insilico applications<br>From 11 <sup>th</sup> to 13 <sup>th</sup> September 2024. |                                                                                             |                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Date                                                                                                                                                                 | Topic                                                                                       | Guest Speaker                                                                                   |
| DAY 1<br>11.09.2024                                                                                                                                                  | <i>Ficus Racemosa</i> L. Bark extraction for reducing the PCOS incidence- Insilico Approach | Dr. N. Hari Shankar. (Retd.), Scientist ‘E’, ICMR-NIN, Hyderabad                                |
|                                                                                                                                                                      | Navigating the challenges in Ethnobotanical Medicine development                            | Dr. M. Ramaiah, Professor & Vice Principal, Maharajah’s College of Pharmacy, Vizianagaram       |
| DAY 2<br>12.09.2024                                                                                                                                                  | Dr. A. Vijaya Durga, Assistant Professor, MRPG College, on “Nanotechnology in Medicine”.    | Dr. A. Vijaya Durga, Assistant Professor, MRPG College, Vizianagaram                            |
|                                                                                                                                                                      | Practical Session on Cell Immobilization                                                    | Dr. K. Sita Kumari, Associate Professor, Maharajah’s College of Pharmacy, Vizianagaram          |
| DAY 3<br>21.09.2024                                                                                                                                                  | Discovery of New Chemical Entities                                                          | Dr. Surender Singh Jadav, Scientist, CSIR-IICT, Hyd                                             |
| DAY 4<br>22.09.2024                                                                                                                                                  | Process of docking and grid preparations using Auto Dock software                           |                                                                                                 |
| WORKSHOP-2<br>One Day Online Workshop                                                                                                                                |                                                                                             |                                                                                                 |
| Date                                                                                                                                                                 | Topic                                                                                       | Guest Speaker                                                                                   |
| 25.10.2024                                                                                                                                                           | Intellectual Property Rights & Patents and Design Filing<br>In association with NIPAM       | Dr. Bharath N Suryawanshi<br>Asst. Controller of Patents & Designs, RGNIIPM, Nagpur             |
| WORKSHOP-3<br>One Day Offline Workshop                                                                                                                               |                                                                                             |                                                                                                 |
| Date                                                                                                                                                                 | Topic                                                                                       | Guest Speaker                                                                                   |
| 24.04.2025                                                                                                                                                           | Outcome-Based Education: Practical Insights from Bloom’s and Miller’s Frameworks            | Internal Faculty –<br>Dr.N.Usha Rani<br>Professor<br>Dr.Saroj Kumar Raul<br>Associate Professor |



## A Three-day Workshopon

## “CURRENT TRENDS IN BIO-PHARMACEUTICAL AND INSILICO APPLICATIONS”

from 11<sup>th</sup> to 13<sup>th</sup> September 2024  
in association with IQAC



### Objectives of the Event:

- To provide information on the latest advancements in biopharmaceuticals and in silico applications.
- To encourage the exploration of new ideas and applications in the computational fields.
- To assess new tools and technologies that are shaping the future of biopharmaceuticals.
- Provide practical sessions or demonstrations on using in silico tools and software.



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## DAY 1 (11.09.2024)

### Agenda:

- Welcome and Inauguration
- Session on Animal model based Insilico approach
- Session on Ethnobotanical Medicine Development

The programme commenced with the lighting of the Ceremonial lamp and welcome speech by Dr. P. Udaya Shankar, Principal, MRCP.

After the Inaugural ceremony, **Dr. N. Hari Shankar. (Retd.), Scientist 'E', ICMR-NIN, Hyderabad** had conducted a highly interactive session on **“Ficus Racemosa L. Bark extraction for reducing the PCOS incidence- Insilico Approach”**. He emphasized the concepts on animal modelling and various approaches employed in drug design. The lecture was very beneficial and interactive; around 100 participants and faculty have attended.

Second session was delivered by **Dr. M. Ramaiah, Professor & Vice Principal, MRCP** on **“Navigating the challenges in Ethnobotanical Medicine development”**. The session covered the advanced methods of herbal analysis and the regulations involved, which imparted affirmative knowledge on Etnobotanical studies.





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## DAY 2 (12.09.2024)

### Agenda:

- Session on Nano Technology in Medicine
- Session on Isolation of gene
- Practical Session on Cell Immobilization

The first session was a lecture delivered by **Dr. A. Vijaya Durga, Assistant Professor, MRPG College**, on “**Nanotechnology in Medicine**”. The lecture involved innovative trends and applications in drug discovery. The second session involved demonstration of “**Gene Isolation**” which had focussed on the crucial technique of process of isolation.

The next session involves practical session on **Cell immobilisation**, demonstrated by **Dr. K. Sita Kumari, Associate Professor, MRCP**, Students have well utilised the session and around 80 students have attended and performed the practical.



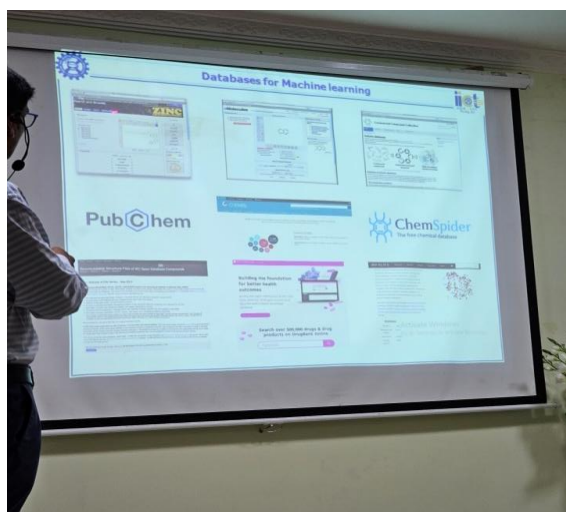


## DAY 3 & 4 (21.09.2024 & 22.09.2024)

### Agenda:

- Session on Discovery of New Chemical Entities
- Demo on Schrodinger suite
- Hands on Training Session on Molecular Docking

The first technical session on third day was on the topic “**Discovery of New Chemical Entities**” and the guest speaker was **Dr. Surender Singh Jadav, Scientist, CSIR-IICT, Hyd.** He illustrated the various concepts of drug design, advancements in medicinal chemistry, AI tools, and databases for machine learning. The lecture was very beneficial and provided an insight on the various challenges associated with drug design. The lecture was followed by hands on training which involves the **process of docking and grid preparations using Auto Dock software**. Around 90 students and 20 faculty have gained the knowledge.





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(A Unit of MANSAS Educational Institutions)

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Online Workshop on  
**Intellectual Property Awareness Program** on  
 25<sup>th</sup> October 2024  
 in association with IQAC





## MAHARAJAH'S COLLEGE OF PHARMACY

Phool Baugh, Vizianagaram

### Internal Quality Assurance Cell (IQAC)

In association with

**Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM)**  
 Government of India, Nagpur  
 (Under National Intellectual Property Awareness Mission)

**Cordially invites for the**

## Online Workshop on

### Intellectual Property Rights (IPR) & Patents and Design filing

**Speaker**

### Dr. Bharat N Suryawanshi

Assistant Controller of Patents & Designs, RGNIIPM, Nagpur

Scan here  
For Registration



**REGISTRATION FREE**

E- certificates will be issued to all participants who attend the programme  
Limited to 1000 participants

**Date : 25-10-2024 Time : 2:00 to 3:00 P.M**

Online on “Intellectual Property Rights & Patents and Design Filling” was organized on 25.10.2024 for B. Pharmacy students and staff at Seminar Hall, Block D, through online mode



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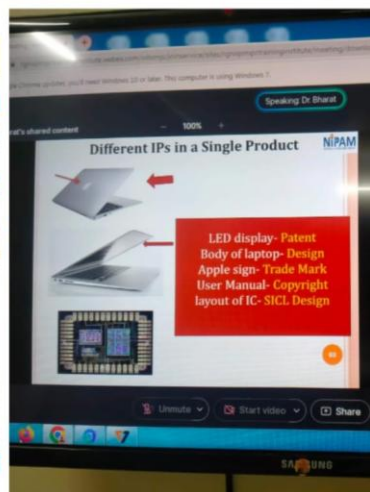
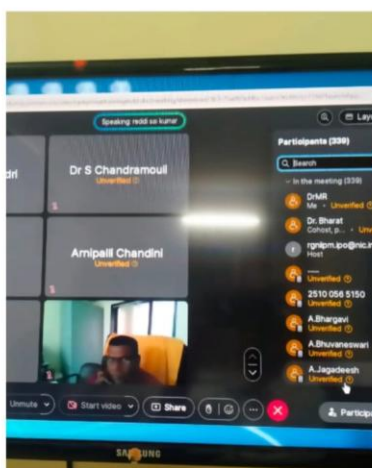
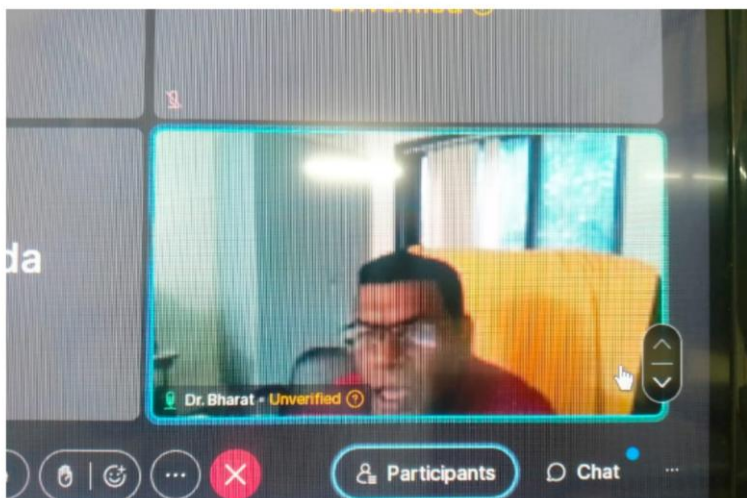
by **Dr. Bharath N Suryawanshi, Asst. Controller of Patents & Designs, RGNIIPM, Nagpur**, who is reputed speaker. This program was organized in association with **Rajiv Gandhi National Institute of Intellectual Property Management, Govt. Of India, Nagpur**.

Around 600 participants enrolled to this workshop and more than 300 external delegates have utilized this opportunity.

This workshop aimed to provide comprehensive insights into the complex world of IP law and its importance in business. The session began with a detailed introduction to what constitutes IP, covering various forms like patents, trademarks, copyrights, and trade secrets. He discussed the patent application process, common challenges, and the significance of patent protection in industries. He explored the role of trade secrets and demonstrated how to safeguard their intellectual assets. The session was very informative and worthy.



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Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

## CERTIFICATE OF APPRECIATION

*Presented to*

**MAHARAJAH'S COLLEGE OF PHARMACY**

*In recognition of active participation in the **National Intellectual Property Awareness Mission (NIPAM)** launched by the Government of India on the occasion of the 75th anniversary of independence under the banner "Azadi Ka Amrit Mahotsav" to create widespread awareness on Intellectual Property Rights (IPR). The exceptional contribution in successfully organizing the awareness programme on **October 25, 2024** in association with **RGNIIPM, Nagpur** by providing your valuable time and support is highly appreciated.*

*Solicit your continued support for outreach of IPR far and wide.*



Date: November 05,  
2024

(Prof. (Dr) Unnat P. Pandit)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS



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Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

### CERTIFICATE

This is to certify that, **DR.K.SITA KUMARI** of **MAHARAJAH'S COLLEGE OF PHARMACY** co-ordinated in conducting the Intellectual Property Awareness program under

**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on October 25, 2024

Azadi Ka  
Amrit Mahotsav

Organized by  
Intellectual Property Office, India

Date: November 05, 2024



(Prof. (Dr) Unnat P. Pandit)  
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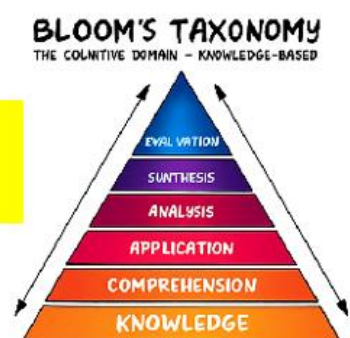
## Workshop on Outcome-Based Education: Practical Insights from Bloom's and Miller's Frameworks

### MAHARAJAH'S COLLEGE OF PHARMACY

Phool Baugh, Vizianagaram



**On  
24<sup>th</sup> April 2025**



**Workshop on Outcome-Based Education:  
Practical Insights from Bloom's and Miller's Frameworks**

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Venue:</b>       | Maharajah's College of Pharmacy, Vizianagaram                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Introduction</b> | <p>As part of continuous quality enhancement initiatives under IQAC, a workshop titled <b>"Outcome-Based Education: Practical Insights from Bloom's and Miller's Frameworks"</b> was organized in 24<sup>th</sup> April 2025 for the teaching faculty of Maharajah's College of Pharmacy.</p> <p>The session was designed to empower educators with deeper insights into <b>instructional design, learner assessment, and outcome-based curriculum delivery</b>. The workshop was structured around internationally recognized frameworks such as <b>Bloom's Taxonomy and Miller's Pyramid</b>, both of which are fundamental tools in structuring learning outcomes and assessment strategies.</p> |
| <b>Objectives</b>   | <ul style="list-style-type: none"> <li>To enhance faculty capability in aligning course content with intended learning outcomes.</li> <li>To integrate Bloom's and Miller's models into course delivery and student evaluation.</li> <li>To strengthen the practice of Outcome-Based Education in line with NAAC and NBA guidelines.</li> <li>To improve mapping and measurement of Course Outcomes (CO), Program</li> </ul>                                                                                                                                                                                                                                                                        |



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|             |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | Outcomes (PO), and Program Specific Outcomes (PSO).                                                                                                                                                                                                                                                                                                                                                               |
| Session - 1 | <p><b>Dr. N. Usha Rani</b>, Professor &amp; Academic Coordinator, Maharajah's College of Pharmacy, Vizianagaram – Provided a comprehensive explanation of <b>Bloom's Taxonomy and Miller's Pyramid</b>, illustrating how it can be used to assess clinical competencies in pharmacy education.</p>                                                                                                                |
|             |                                                                                                                                                                                                                                                                                                                                |
| Session - 2 | <p><b>Dr. Saroj Kumar Raul</b>, Associate Professor, Maharajah's College of Pharmacy, Vizianagaram shared his expertise on <b>student assessment methodologies</b>, aligning formative and summative assessments with course outcomes.</p>                                                                                                                                                                        |
|             |                                                                                                                                                                                                                                                                                                                               |
| Outcomes:   | <ul style="list-style-type: none"> <li>• Faculty gained clarity on setting cognitive levels for course objectives.</li> <li>• Participants practiced real-time mapping of COs with POs using Bloom's and Miller's frameworks.</li> <li>• Templates for CO-PO-SLO matrix design were introduced and demonstrated.</li> <li>• The session encouraged faculty to adopt <b>evidence-based pedagogy</b> and</li> </ul> |



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|  |                                                                                                                                                                                                                                                                                                                           |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | modernize evaluation systems.                                                                                                                                                                                                                                                                                             |
|  | This workshop significantly contributed to the institutional aim of <b>implementing structured and measurable learning outcomes</b> , which are key to quality assurance in higher education. It also reinforced the IQAC's commitment to adopting the <b>PDCA cycle</b> for continual improvement in academic practices. |

**IQAC Co-Ordinator**
**Principal**

\*\*\*\*\*

**PRINCIPAL**  
**Maharajah's College of Pharmacy**  
**Phoolbaugh, Vizianagaram-535 002**