



BENOVA LABS PRIVATE LIMITED

Regd. & Admn. Office : # 13-1-183/1, Plot No. 69, Snehapuri Colony, Motinagar, Hyderabad - 500 018, Telangana, INDIA
Tel : +91-40-2383 0292, E-mail : info@benovalabs.com, www.benovalabs.com
GSTIN : 36AAECB7760K1ZC

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made and entered into as of 3rd January 2022

BETWEEN

BENOVA LABS(P) LIMITED, a company incorporated in accordance with the laws of INDIA and having its office situated at 13-1-183/1, Plot No 69, Snehapuri Colony, MothiNagar, Hyderabad-500018, Telangana State, INDIA, Factory location at Sy.No.10, Gaddapotharam (V), Jinnaram (M), Sanga Reddy Dist-502319 represented by Dr.P.Krishna Reddy, Managing Director.

AND

RBVRR Women's College of Pharmacy, Approved by PCI, Affiliated to Osmania University having its office at Barkatpura, Hyderabad-500027 Telangana (hereinafter referred to as "RBVRR").

WITNESSETH

- A. WHEREAS, BENOVA LABS(P) LIMITED and RBVRR have entered into an MOU, dated 3rd January 2022, for the purpose of R&D Activities
- B. Now therefore, in consideration of the mutual understandings, covenants and obligations hereinafter set forth, BENOVA LABS(P) LIMITED and RBVRR here to agree as follows:

A. Role of RBVRR:

1. RBVRR will conduct the research and development work provided by BENOVA LABS(P) LIMITED scale synthesis of certain API and Drug intermediates, plan for innovation of the existing Synthetic route of BENOVA LABS(P) LIMITED from the date of signing this MOU.
2. RBVRR has the requisite technical manpower to perform the various R&D projects
3. RBVRR also has the necessary labs with equipment and instruments to carry out the projects.



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4. RBVRR shall update from time to time to the concerned executive of BENOVA LABS(P) LIMITED about the progress of the work.
5. RBVRR shall strictly adhere to the timelines of the projects.
6. RBVRR will maintain strict confidentiality of the R&D projects.
7. RBVRR shall not divulge any of the information of the R&D works carried out to any third party, if so BENOVA LABS (P) LIMITED will have every right to take legal action against RBVRR
8. RBVRR will not publish the R&D works in any of the scientific journals or present the data in any of the conferences
9. RBVRR shall provide the soft copy and the hardcopy of the project data.

B. Role of BENOVA LABS (P) LIMITED:

1. Will provide the details/documentation of the R&D projects to RBVRR for evaluation.
2. Arranging Placements for B. Pharm/ M. Pharm students.
3. Providing drug samples API/Intermediates for students pursuing projects.
4. Providing summer internship program for B. Pharm and M. Pharmacy students.
5. Utilization of research facilities for analysis of samples for M. Pharm students

C. The above MOU is for an initial period of 60 Months,

D. The parties agree not to disclose during the term of this MOU to any third parties the existence or nature of the business

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE CAUSED THIS MOU TO BE DULY EXECUTED BY THEIR RESPECTIVE OFFICERS

BENOVA LABS (P) LIMITED

Signature :

Name: Dr. P. Krishna Reddy

Title: Managing Director



RBVRR Women's College of Pharmacy

Signature :

Name: Dr M. Sumakanth

Title : Principal

PRINCIPAL

**RBVRR Women's College of Pharmacy
Barkatpura, Hyderabad – 500 027 (TS)**



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Name: Dr. P. Krishna Reddy

Title: Managing Director



RBVRR Women's College of Pharmacy

Signature :

Name: Dr M. Sumakanth

Title : Principal

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**RBVRR Women's College of Pharmacy
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Date: 16-08-2022

This is to inform that Ms. Mameena Sahoo and Ms. Shafia Sultana Students of M. Pharmacy Second Year Pharmaceutical Chemistry Branch, bearing roll numbers 170621884001 and 170621884002 studying in RBVRR Women's College of Pharmacy has gone through training for three months at BENOVA LABS PVT LTD on the Purification and separation of Impurities by using various Chromatographic Techniques.



BENOVA LABS PVT LTD

B. Venkat Reddy
Synthesis R&D Head

Activity Report

Training Provided by Benova Labs Private Limited to M Pharmacy Students of Pharmaceutical Chemistry Branch in Separation and Purification of Impurities Using Chromatographic Techniques for 3 Months at RBVRR Women's College of Pharmacy

Introduction: Benova Labs Private Limited, in collaboration with RBVRR Women's College of Pharmacy, conducted a specialized training program focusing on separation and purification of impurities using chromatographic techniques. This initiative was part of the Memorandum of Understanding (MOU) between the two institutions, aiming to equip M Pharmacy students with practical skills and expertise in chromatography for pharmaceutical applications.

Training Program Overview:

- Duration: The training program spanned over a period of three months.
- Participants: M Pharmacy students specializing in Pharmaceutical Chemistry from RBVRR Women's College of Pharmacy actively participated in the training sessions.
- Facilitators: Experienced chromatography experts and researchers from Benova Labs Private Limited led the training, providing guidance and practical demonstrations.

Training Modules: The training modules comprised a comprehensive curriculum covering various aspects of chromatographic separation and purification techniques, including:

1. Fundamentals of Chromatography: Introduction to chromatographic principles, including stationary phase, mobile phase, retention time, and separation mechanisms.
2. High-Performance Liquid Chromatography (HPLC): Theory and operation of HPLC systems, method development, optimization, and troubleshooting.
3. Gas Chromatography (GC): Basics of GC instrumentation, sample preparation, column selection, and data interpretation.
4. Thin-Layer Chromatography (TLC): Principles of TLC, sample application, mobile phase composition, and visualization techniques.
5. Purification Strategies: Strategies for purification of impurities using chromatographic techniques, including preparative HPLC and flash chromatography.

Methodology: The training sessions employed a combination of theoretical lectures, hands-on laboratory experiments, practical demonstrations, and case studies. Participants were provided with opportunities to work with chromatography equipment and software under the guidance of experienced mentors from Benova Labs Private Limited.

Outcome and Impact:

- **Enhanced Practical Skills:** The training program equipped M Pharmacy students with practical skills in chromatographic separation and purification techniques, enhancing their proficiency in pharmaceutical analysis and research.
- **Industry-Relevant Knowledge:** Participants gained insights into industry-standard chromatographic methods and applications, preparing them for roles in pharmaceutical quality control and research laboratories.
- **Collaboration Opportunities:** The collaboration between Benova Labs Private Limited and RBVRR Women's College of Pharmacy facilitated knowledge exchange and collaboration between academia and industry, enriching the learning experience for students.
- **Career Readiness:** The training program enhanced students' readiness for careers in the pharmaceutical industry, providing them with valuable hands-on experience and skills highly sought after by employers.

Conclusion: The training provided by Benova Labs Private Limited to M Pharmacy students specializing in Pharmaceutical Chemistry at RBVRR Women's College of Pharmacy, as part of the MOU between the two institutions, has been instrumental in bridging the gap between academic learning and practical industry requirements in chromatographic techniques. The program's success underscores the importance of industry-academia collaborations in nurturing skilled professionals for the pharmaceutical sector.