



Dr.MACS BIO-PHARMA PRIVATE LIMITED
Plot No: 32/A, Western Hills, opp. JNTU, Kukatpally,
HYDERABAD-500 085, Telangana, INDIA
Tel: 040-49531211, Mobile: +91-9177211758
Email: marketing@drmacspharma.com

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding is made and entered into as of 11th February 2022

BETWEEN

Dr.MACS Bio-Pharma Pvt.Ltd, a company incorporated in accordance with the laws of INDIA and having its factory situated at Plot-79/B&C, EPIP, Pasamylaram, Patancheru, Sangareddy (Dist), Hyderabad-502307, India represented by Dr.Murugulla Adharvanachari, Director, Dr.MACS Bio-Pharma Pvt.Ltd

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, Dr.MACS Bio-Pharma Pvt.Ltd and RBVRR have entered into an MOU, dated 11th February 2022, for the purpose of R&D Activities
- B. Now therefore, in consideration of the mutual understandings, covenants and obligations hereinafter set forth, Dr.MACS Bio-Pharma Pvt.Ltd and RBVRR here to agree as follows:

A. Role of RBVRR:

1. RBVRR will conduct the research and development work provided by Dr.MACS Bio-Pharma Pvt.Ltd scale synthesis of certain API and Drug intermediates, plan for innovation of the existing Synthetic route of Dr.MACS Bio-Pharma Pvt.Ltd 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.
4. RBVRR shall update from time to time to the concerned executive of Dr.MACS Bio-Pharma Pvt.Ltd 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 Dr.MACS Bio-Pharma Pvt.Ltd 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 Dr.MACS Bio-Pharma Pvt.Ltd:

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

Dr.MACS Bio-Pharma Pvt.Ltd



Signature:

Name: Dr.Murugulla Adharvanachari

Title: 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)

**Industry: Plot No: 79/B & C, EPIP Pashamylaram, Patancheru,
Sangareddy, PIN- 502 307, Tel:08455223655, Mob: +91-7780453094**



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4. RBVRR shall update from time to time to the concerned executive of Dr.MACS Bio-Pharma Pvt.Ltd about the progress of the work.
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7. RBVRR shall not divulge any of the information of the R&D works carried out to any third party, if so Dr.MACS Bio-Pharma Pvt.Ltd will have every right to take legal action against RBVRR
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Dr.MACS Bio-Pharma Pvt.Ltd



Signature:

Name: Dr.Murugulla Adharvanachari

Title: 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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Date: 31-10-2022

TO WHOM SOEVER IT MAY CONCERN

This is to certify that Ms. **Md.Saba Fatima** and Ms. **Samudrala Saileela** Students of M. Pharmacy Second Year Pharmaceutical Analysis Branch, bearing roll numbers 170621885006 and 170621885007 studying in RBVRR Women's College of Pharmacy has gone through training for three months at **Dr.MACS Bio-Pharma Pvt.Ltd** on Analytical Instruments

For Dr.MACS Bio-Pharma Pvt.Ltd



Dr.M.Shobha

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Activity report

Training Provided by Dr. Macs Biopharma Private Limited to M Pharmacy Students of Pharmaceutical Analysis Branch in Analytical R&D for 3 Months at RBVRR Women's College of Pharmacy

Introduction: Dr. Macs Biopharma Private Limited, in alignment with the Memorandum of Understanding (MOU) established with RBVRR Women's College of Pharmacy, conducted a specialized training program in Analytical Research and Development (R&D) for M Pharmacy students specializing in Pharmaceutical Analysis. The program aimed to furnish students with practical skills and insights into analytical techniques pertinent to the pharmaceutical industry.

Training Program Overview:

- Duration: The training program extended over a period of three months.
- Participants: M Pharmacy students specializing in Pharmaceutical Analysis from RBVRR Women's College of Pharmacy actively participated in the training.
- Facilitators: Experienced professionals and analysts from Dr. Macs Biopharma Private Limited led the training sessions, imparting expertise in analytical R&D methodologies and practices.

Training Modules: The training modules encompassed a comprehensive range of topics relevant to analytical R&D in the pharmaceutical sector, including:

1. Principles of Analytical Chemistry: Understanding the foundational principles and techniques of analytical chemistry as applied to pharmaceutical analysis.
2. Instrumentation and Techniques: Hands-on training in state-of-the-art analytical instruments and techniques commonly used in pharmaceutical analysis, such as HPLC, GC, UV-Vis spectroscopy, and FTIR.
3. Method Development and Validation: Learning methodologies for the development, optimization, and validation of analytical methods for drug analysis, ensuring accuracy, precision, and robustness.
4. Stability Studies: Understanding the principles and conduct of stability studies to assess the stability and shelf-life of pharmaceutical products under various conditions.
5. Regulatory Compliance: Insight into regulatory requirements and guidelines governing analytical R&D activities in the pharmaceutical industry, including compliance with Good Laboratory Practices (GLP) and International Council for Harmonisation (ICH) guidelines.

Methodology: The training sessions employed a blended approach, combining theoretical lectures, practical demonstrations, hands-on laboratory sessions, and case studies. Participants were provided with opportunities to apply theoretical concepts in real-world scenarios under the guidance of industry experts.

Outcome and Impact:

- **Enhanced Analytical Skills:** The training program equipped M Pharmacy students with advanced analytical skills essential for conducting R&D activities in the pharmaceutical sector, enhancing their proficiency in drug analysis and quality control.
- **Industry-Relevant Knowledge:** Participants gained practical insights into industry-standard analytical techniques and methodologies, aligning them with current industry practices and trends.
- **Career Readiness:** The training program prepared students for future roles in analytical R&D within the pharmaceutical industry, enhancing their employability and career prospects.
- **Strengthened Collaboration:** The collaboration between Dr. Macs Biopharma Private Limited and RBVRR Women's College of Pharmacy fostered knowledge exchange and collaboration between academia and industry, enriching the learning experience for students.

Conclusion: The training provided by Dr. Macs Biopharma Private Limited to M Pharmacy students specializing in Pharmaceutical Analysis at RBVRR Women's College of Pharmacy, as part of the MOU between the two institutions, has been instrumental in equipping students with practical skills and industry-relevant knowledge in analytical R&D. The program's success underscores the importance of industry-academia collaborations in preparing students for successful careers in the pharmaceutical sector.