



കേരളം കേരल KERALA

DA 872281

### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is in collaboration with Sahrdaya College of Advanced Studies, Kodakara, P.B.No.17, Thrissur (Dt.) (Here in after referred to as the party of the first party) and St. James' College of Pharmaceutical Sciences, Chalakudy, Thrissur (Here in after referred to as the party of the second party). Both the parties are well known and reputed teaching institutions. The first party will provide a basic knowledge in all areas of chemistry, which will enhance the student's ability to understand the pharmaceutical science in a better way. First party also provides basic ideas about the mechanism behind the drug action. The second party shown excellence in research on pharmaceutical sciences, thus producing competent pharmacists with entrepreneurship and innovative skills. The second party provides all the standard knowledge about the drug and its manufacturing, R&D, QAQC, formulation, clinical pharmacy and its application in different fields of pharmaceutical sciences.

The scope of the MOU and the role and responsibilities of the parties of the MOU are given below.

*Chy. Das*

No 20482 / 10.12.2021 P.1001-  
Rev. Dr. ANTU ALAPPAHAN, DIRECTOR  
ST. JAMES COLLEGE OF PHARMACEUTICAL SCIENCES,  
CHALAKUDY  
M. K. JOJO  
VENDOR NO: 20  
CHALAKUDY



## Alliance Objective

This document outlines a strategic understanding between Sahrdaya College of Advanced Studies, Kodakara, P.B.No.17, Thrissur (first party) and St. James' College of Pharmaceutical Sciences, Chalakudy, Thrissur (second party) to work together to offer the Certificate courses in "BASIC CHEMISTRY IN PHARMACEUTICAL SCIENCES" and "PHARMACEUTICAL CHEMISTRY". The primary aim of this partnership is to provide better career opportunities to students in pharmaceutical industries and also to provide easier pathway for higher study options in pharmaceutical chemistry stream.

## Benefits

1. Opportunity to emerge as competent entities in the academic basic chemistry circles and to do research and development in the following areas of Pharmaceutical Sciences.
  - Drug discovery & Development
  - Organic and Medicinal Chemistry Division
  - Pharmaceutical Manufacturing Division
  - Pharmaceutical Bulk Drug Division
  - Pharmaceutical Analytical R&D

There is a huge demand for skilled pharmaceutical chemists in various pharmaceutical companies and biotechnology companies all over the world for drug discovery and development.

Job functions include,

- Development of newer synthetic routes for natural and synthetic pharmaceuticals.
- Designing and synthesis of safer and more effective drugs.
- Analytical services at different stages of drug discovery and development.
- Marketing for the various pharmaceutical formulations.

2. Opportunities to utilize the program to train students on drug designing

## Area of collaboration

Sahrdaya College of Advanced Studies, Kodakara (first party) and St. James' College of Pharmaceutical Sciences, Chalakudy (second party) will jointly conduct a certificate course for 120 hours duration, which will spread across two academic years for 2022 batch B. Pharm (St. James' College of Pharmaceutical Sciences) & B.Sc. Chemistry (Sahrdaya College of Advanced Studies) students.

1. Both parties will teach the students about all the theory aspects and the second party will conduct the practical classes.

2. The facilities and infrastructures available at both the colleges will be used as per need and have agreed for faculty exchanging.
3. The first party has agreed to take the course contents in 120 hours which will spread over two academic years and there shall be a minimum of 10 hours per month. The classes for one semester will be allocated as 30 hour theory classes only.
4. In case of the course on "Basic Chemistry in Pharmaceutical Sciences", the first party will conduct the examination at the end of the course and will provide a course certificate in "Basic Chemistry in Pharmaceutical Sciences".
5. The second party has agreed to take the course contents in 120 hours which will spread over two academic years and there shall be a minimum of 10 hours per month. The classes for one semester will be allocated as 20-hour theory and 10 hours practical.
6. In case of the course on "Pharmaceutical Chemistry", the second party will conduct the examination at the end of the course and will provide a course certificate in "Pharmaceutical Chemistry".
7. The first party and second party will provide a remuneration of Rs. 1000 Per hour.

Signature with seal

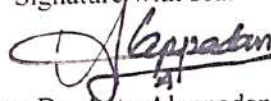


Rev. Dr. Devis Chenginiyadan  
Executive Director

First party

Sahrdaya College of Advanced Studies  
Kodakara

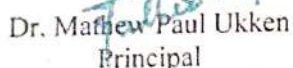
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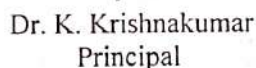
Rev. Dr. Antu Alappadan  
Director

Second party

St. James' Group of Institutions  
Chalakudy



Dr. Matthew Paul Ukken  
Principal  
Sahrdaya College of Advanced Studies  
Kodakara



Dr. K. Krishnakumar  
Principal  
St. James' College of Pharmaceutical Sciences  
Chalakudy

Dr. K. KRISHNAKUMAR Bsc., M.Pharm., Ph.D

Principal  
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**PRINCIPAL**  
**SAHRDAYA**  
**COLLEGE OF ADVANCED STUDIES**  
**KODAKARA - 680686**

