

# DETAILS OF FUNCTIONAL MEMORANDUM OF UNDERSTANDING (MoU)

## TERRAPY EDUCATION, KOLKATA

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## DETAILS OF FUNCTIONAL MEMORANDUM OF UNDERSTANDING (MoU)

NAME OF THE INSTITUTION:

CHRIST COLLEGE, IRINJALAKUDA

<b>File No:</b>	2023.15
<b>Name of the Collaborating Institution</b>	TERRAPY EDUCATION, KOLKATA
<b>Area of collaboration</b>	Academic/ Faculty Program
<b>Date of Initiation</b>	12-09-2022
<b>Co-ordinator Name</b>	Dr. Linto Alappat, Ms. Shaima M M, Ms. Roshini P P
<b>National/ International</b>	National
<b>Duration of collaboration</b>	5 Years
<b>Targeting departments/ beneficiaries</b>	Geology
<b>Number of Students/ Faculty participated</b>	158

### Details of Activities under MoU

#### Introduction

TerraPy Education (MSME certified, ISO 9001 and IAO accredited) is a private firm located in Kolkata, West Bengal in which the Mr. Pragnyadiptra Sen is the proprietor and Managing director.

#### Activities conducted:

Christ College (Autonomous), Irinjalakuda has successfully accomplished basic and advanced certificate programs on Python software and conducted a Pre-Conference workshop on Statistics Data Analysis and Machine learning in Geology using Python Programming during academic year 2022-23.

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### Specific Outcomes: (What, why, Impacts)

1. The collaboration helped our students to attend different certificate courses from the TerraPy Education.

### Specific Outcomes: (What, why, Impacts)

### Any other details: (Items/Knowledge Shared)

#### **Students Achieved specialization in subjects:**

- ✦ Python computer language
- ✦ Advanced concepts in structural geology

## DETAILS OF FUNCTIONAL MEMORANDUM OF UNDERSTANDING (MoU)

Photographs of the event/ YouTube link of the event may given

Introduction to programming in Geology and Statistical data analysis using Python Value Added Certificate Course

### Topics covered

Introduction to python in Geology

- Comment, Print, Variable, Data Type, Input
- Basic Math with Python
- Conditional Operators and Conditional Programming using if-elif-else
- Looping in Python using for() and while()
- Data Containers in Python: List, Tuple, Set, Dictionary

**Date:** 27.11.2023  
to  
15.12.2023

**Time:** 3.00 - 5.00 pm

### Coordinators

Ms. Shaima M. M.  
Dr. Linto Alappat  
Dept. of Geology & Env. Science

**CHRIST**  
COLLEGE(AUTONOMOUS)  
IRINJALAKUDA, KERALA

DEPARTMENT OF GEOLOGY & ENVIRONMENTAL SCIENCE

Certificate course  
on  
**Introduction to Python in Geology**  
Resource persons

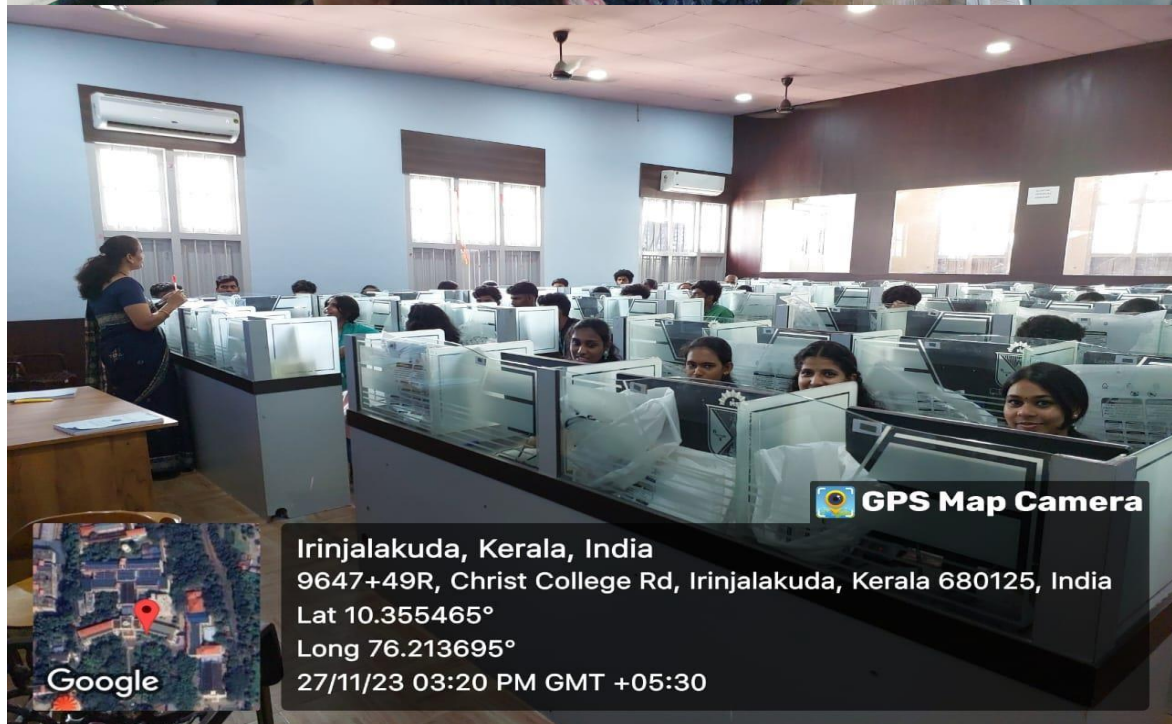
**MR.PRAGNYADIPTA SEN**  
FOUNDER  
M/S TERRAPY EDUCATION  
AN MSME GOVT. OF INDIA CERTIFIED &  
ISO 9001:2015 ACCREDITED ORGANISATION

**MS.SOUMYA P.S.**  
ASSISTANT PROFESSORS  
DEPT. OF COMPUTER SCIENCE  
CHRIST COLLEGE(AUTONOMOUS)  
IRINJALAKUDA, KERALA

**MS.VARSHA GANESH**

## DETAILS OF FUNCTIONAL MEMORANDUM OF UNDERSTANDING (MoU)

### Specific Outcomes: (What, why, Impacts)



**Advanced programming in Geology and Statistical data analysis using Python Value Added Certificate Course**



**Department of Geology & Environmental Science**

*In collaboration with*

**TerraPy Education**

*(MSME Certified and is ISO 9001 and IAO accredited )*

**Conducting an  
*Advanced Course in Structural Geology***



**Mr. Pragnyadipta Sen**  
TerraPy Education, Kolkata

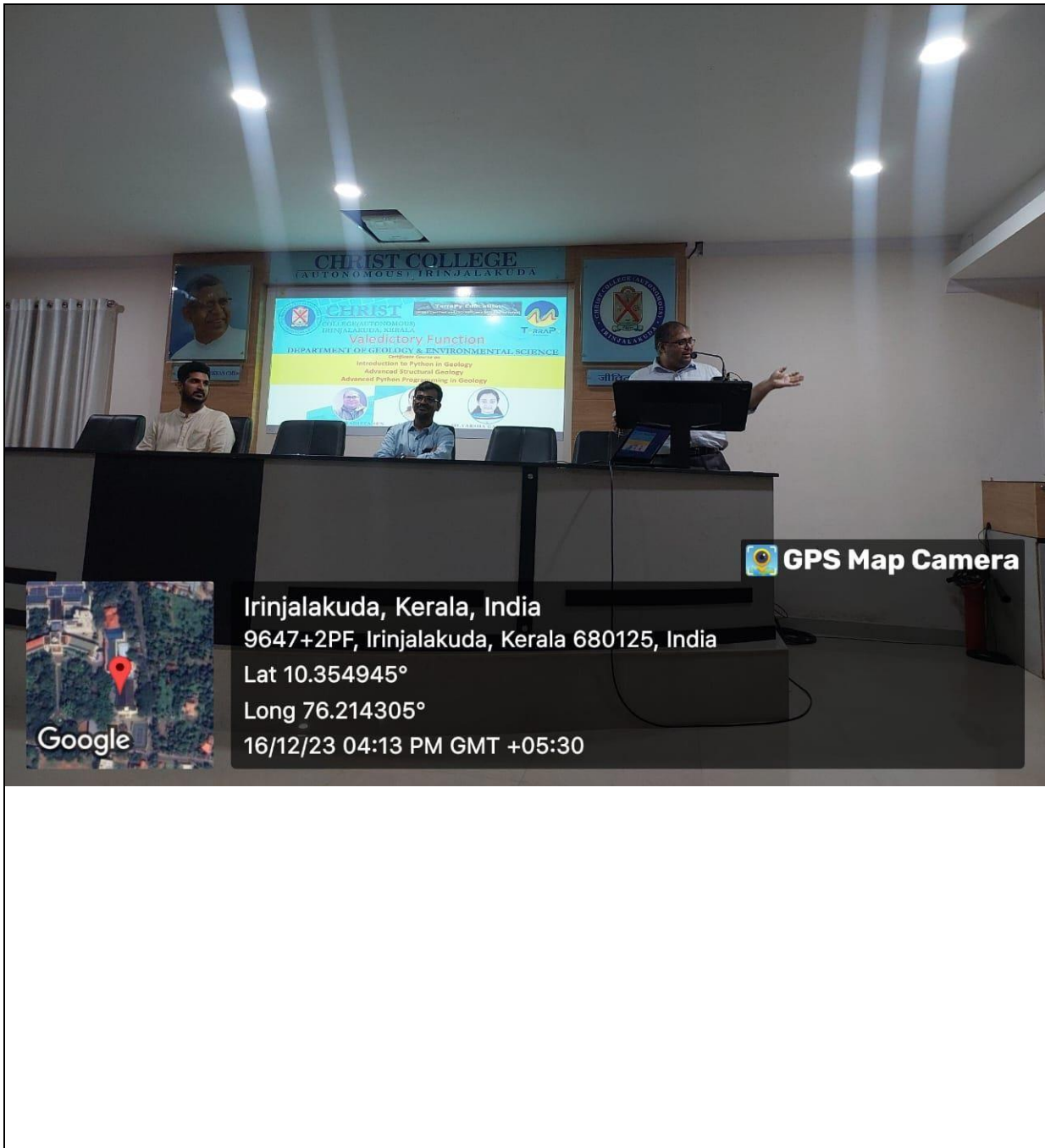
**Co-ordinators:**

**Ms. Roshini P.P.  
Dr. Linto Alappat**

**Topics Covered:**

- *Vectors in Structural Geology*
- *Extracting information from Maps*
- *Transformations in Structural Geology*
- *Matrices and Tensors*
- *Stress and Mohr Circle*
- *Laboratory Techniques in Finite Strain Analysis*

## DETAILS OF FUNCTIONAL MEMORANDUM OF UNDERSTANDING (MoU)



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### DECLARATION

We hereby declare that the above activities detailed in the current report was conducted under the MoU between our institutions.

Christ College (Autonomous), Irinjalakuda	TerraPy Education, Kolkata
<p data-bbox="349 567 454 640"></p> <p data-bbox="316 672 544 798"><b>Fr. Dr. Jolly Andrews</b> Assistant Professor- In-charge of Principal Christ College (Autonomous) Irinjalakuda</p> <p data-bbox="381 840 657 1081"></p> <p data-bbox="203 1113 373 1144">PRINCIPAL</p>	<p data-bbox="885 556 1339 651"></p> <p data-bbox="998 672 1226 861"></p> <p data-bbox="828 934 1242 976">HEAD OF THE INSTITUTION</p>

DATE: 19/12/23